Full wwPDB EM Validation Report

Mar 15, 2026 – 01:40 PM UTC

PDB ID	:	9WYP / pdb_00009wyp
EMDB ID	:	EMD-66373
Title	:	The PSI-ACPI supercomplex from the cryptophyte Chroomonas placoidea
Authors	:	Li, X.Y.; Mao, Z.Y.; Han, G.Y.
Deposited on	:	2025-09-27
Resolution	:	2.25 Å(reported)

This is a Full wwPDB EM Validation Report for a publicly released PDB entry.

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/EMValidationReportHelp
with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

The following versions of software and data (see references ⓘ) were used in the production of this report:

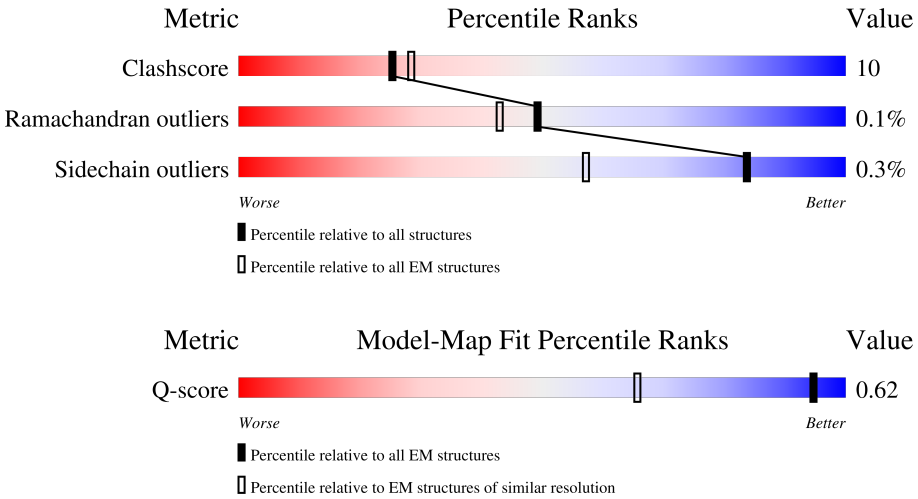
EMDB validation analysis	:	0.0.1.dev132
Mogul	:	2022.3.0, CSD as543be (2022)
MolProbity	:	4-5-2 with Phenix2.0
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics	:	202505.v01 (Using data in the EMDB archive up until May 2025)
MapQ	:	1.9.13
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

1 Overall quality at a glance

The following experimental techniques were used to determine the structure:
ELECTRON MICROSCOPY

The reported resolution of this entry is 2.25 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	EM structures (#Entries)	Similar EM resolution (#Entries, resolution range(Å))
Clashscore	229148	23984	-
Ramachandran outliers	224038	23583	-
Sidechain outliers	223484	23102	-
Q-score	-	25397	3458 (1.75 - 2.75)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for >=3, 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions <=5% The upper red bar (where present) indicates the fraction of residues that have poor fit to the EM map (all-atom inclusion < 40%). The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	1	222	61% 18% 21%
2	2	216	62% 16% 22%
3	3	235	63% 19% 19%
4	4	217	71% 10% 19%

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Mol	Chain	Length	Quality of chain
5	5	229	61% 21% 18%
6	6	215	58% 22% 20%
7	7	230	63% 16% 22%
8	8	227	67% 10% 23%
9	9	220	59% 23% 18%
10	A	752	77% 22%
11	B	734	77% 23%
12	C	81	89% 10%
13	D	141	77% 20%
14	E	64	83% 12% 5%
15	F	183	72% 15% 13%
16	I	36	69% 22% 8%
17	J	42	81% 19%
18	K	87	75% 15% 10%
19	L	153	78% 20%
20	M	30	87% 13%
21	O	155	51% 13% 36%
22	R	139	51% 15% 34%
23	Z	279	43% 11% 45%
24	a	215	61% 18% 20%
24	d	215	60% 19% 20%
25	b	218	62% 19% 19%
26	c	257	68% 15% 16%
27	e	208	65% 15% 19%
28	X	241	47% 12% 40%

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
29	CLA	1	601	X	-	-	-
29	CLA	1	602	X	-	-	-
29	CLA	1	603	X	-	-	-
29	CLA	1	604	X	-	-	-
29	CLA	1	605	X	-	-	-
29	CLA	1	606	X	-	-	-
29	CLA	1	607	X	-	-	-
29	CLA	1	608	X	-	-	-
29	CLA	1	609	X	-	-	-
29	CLA	1	611	X	-	-	-
29	CLA	1	612	X	-	-	-
29	CLA	1	613	X	-	-	-
29	CLA	2	601	X	-	-	-
29	CLA	2	602	X	-	-	-
29	CLA	2	603	X	-	-	-
29	CLA	2	604	X	-	-	-
29	CLA	2	605	X	-	-	-
29	CLA	2	606	X	-	-	-
29	CLA	2	607	X	-	-	-
29	CLA	2	608	X	-	-	-
29	CLA	2	609	X	-	-	-
29	CLA	2	611	X	-	-	-
29	CLA	2	612	X	-	-	-
29	CLA	3	302	X	-	-	-
29	CLA	3	303	X	-	-	-
29	CLA	3	304	X	-	-	-
29	CLA	3	305	X	-	-	-
29	CLA	3	306	X	-	-	-
29	CLA	3	308	X	-	-	-
29	CLA	3	309	X	-	-	-
29	CLA	3	310	X	-	-	-
29	CLA	3	311	X	-	-	-
29	CLA	3	312	X	-	-	-
29	CLA	3	313	X	-	-	-
29	CLA	4	601	X	-	-	-
29	CLA	4	602	X	-	-	-
29	CLA	4	603	X	-	-	-
29	CLA	4	604	X	-	-	-
29	CLA	4	606	X	-	-	-
29	CLA	4	607	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
29	CLA	4	608	X	-	-	-
29	CLA	4	609	X	-	-	-
29	CLA	4	610	X	-	-	-
29	CLA	4	611	X	-	-	-
29	CLA	5	601	X	-	-	-
29	CLA	5	602	X	-	-	-
29	CLA	5	603	X	-	-	-
29	CLA	5	604	X	-	-	-
29	CLA	5	605	X	-	-	-
29	CLA	5	606	X	-	-	-
29	CLA	5	607	X	-	-	-
29	CLA	5	608	X	-	-	-
29	CLA	5	609	X	-	-	-
29	CLA	5	611	X	-	-	-
29	CLA	5	612	X	-	-	-
29	CLA	5	613	X	-	-	-
29	CLA	6	601	X	-	-	-
29	CLA	6	602	X	-	-	-
29	CLA	6	603	X	-	-	-
29	CLA	6	604	X	-	-	-
29	CLA	6	605	X	-	-	-
29	CLA	6	606	X	-	-	-
29	CLA	6	607	X	-	-	-
29	CLA	6	608	X	-	-	-
29	CLA	6	609	X	-	-	-
29	CLA	6	611	X	-	-	-
29	CLA	6	612	X	-	-	-
29	CLA	7	302	X	-	-	-
29	CLA	7	303	X	-	-	-
29	CLA	7	304	X	-	-	-
29	CLA	7	305	X	-	-	-
29	CLA	7	306	X	-	-	-
29	CLA	7	307	X	-	-	-
29	CLA	7	308	X	-	-	-
29	CLA	7	309	X	-	-	-
29	CLA	7	311	X	-	-	-
29	CLA	7	312	X	-	-	-
29	CLA	8	301	X	-	-	-
29	CLA	8	302	X	-	-	-
29	CLA	8	303	X	-	-	-
29	CLA	8	304	X	-	-	-
29	CLA	8	305	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
29	CLA	8	306	X	-	-	-
29	CLA	8	307	X	-	-	-
29	CLA	8	308	X	-	-	-
29	CLA	8	317	X	-	-	-
29	CLA	9	302	X	-	-	-
29	CLA	9	303	X	-	-	-
29	CLA	9	304	X	-	-	-
29	CLA	9	305	X	-	-	-
29	CLA	9	306	X	-	-	-
29	CLA	9	307	X	-	-	-
29	CLA	9	308	X	-	-	-
29	CLA	9	309	X	-	-	-
29	CLA	9	310	X	-	-	-
29	CLA	9	312	X	-	-	-
29	CLA	9	313	X	-	-	-
29	CLA	9	314	X	-	-	-
29	CLA	9	315	X	-	-	-
29	CLA	A	801	X	-	-	-
29	CLA	A	802	X	-	-	-
29	CLA	A	803	X	-	-	-
29	CLA	A	804	X	-	-	-
29	CLA	A	805	X	-	-	-
29	CLA	A	806	X	-	-	-
29	CLA	A	807	X	-	-	-
29	CLA	A	808	X	-	-	-
29	CLA	A	809	X	-	-	-
29	CLA	A	810	X	-	-	-
29	CLA	A	811	X	-	-	-
29	CLA	A	812	X	-	-	-
29	CLA	A	813	X	-	-	-
29	CLA	A	814	X	-	-	-
29	CLA	A	815	X	-	-	-
29	CLA	A	816	X	-	-	-
29	CLA	A	817	X	-	-	-
29	CLA	A	818	X	-	-	-
29	CLA	A	819	X	-	-	-
29	CLA	A	820	X	-	-	-
29	CLA	A	821	X	-	-	-
29	CLA	A	822	X	-	-	-
29	CLA	A	823	X	-	-	-
29	CLA	A	824	X	-	-	-
29	CLA	A	826	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
29	CLA	A	827	X	-	-	-
29	CLA	A	828	X	-	-	-
29	CLA	A	829	X	-	-	-
29	CLA	A	830	X	-	-	-
29	CLA	A	831	X	-	-	-
29	CLA	A	832	X	-	-	-
29	CLA	A	833	X	-	-	-
29	CLA	A	834	X	-	-	-
29	CLA	A	835	X	-	-	-
29	CLA	A	836	X	-	-	-
29	CLA	A	837	X	-	-	-
29	CLA	A	838	X	-	-	-
29	CLA	A	839	X	-	-	-
29	CLA	A	840	X	-	-	-
29	CLA	A	841	X	-	-	-
29	CLA	A	842	X	-	-	-
29	CLA	A	843	X	-	-	-
29	CLA	A	853	X	-	-	-
29	CLA	A	854	X	-	-	-
29	CLA	A	855	X	-	-	-
29	CLA	B	802	X	-	-	-
29	CLA	B	803	X	-	-	-
29	CLA	B	804	X	-	-	-
29	CLA	B	805	X	-	-	-
29	CLA	B	806	X	-	-	-
29	CLA	B	807	X	-	-	-
29	CLA	B	808	X	-	-	-
29	CLA	B	809	X	-	-	-
29	CLA	B	810	X	-	-	-
29	CLA	B	811	X	-	-	-
29	CLA	B	812	X	-	-	-
29	CLA	B	813	X	-	-	-
29	CLA	B	814	X	-	-	-
29	CLA	B	815	X	-	-	-
29	CLA	B	816	X	-	-	-
29	CLA	B	817	X	-	-	-
29	CLA	B	818	X	-	-	-
29	CLA	B	819	X	-	-	-
29	CLA	B	820	X	-	-	-
29	CLA	B	821	X	-	-	-
29	CLA	B	822	X	-	-	-
29	CLA	B	823	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
29	CLA	B	824	X	-	-	-
29	CLA	B	825	X	-	-	-
29	CLA	B	826	X	-	-	-
29	CLA	B	827	X	-	-	-
29	CLA	B	828	X	-	-	-
29	CLA	B	829	X	-	-	-
29	CLA	B	830	X	-	-	-
29	CLA	B	831	X	-	-	-
29	CLA	B	832	X	-	-	-
29	CLA	B	833	X	-	-	-
29	CLA	B	834	X	-	-	-
29	CLA	B	835	X	-	-	-
29	CLA	B	836	X	-	-	-
29	CLA	B	837	X	-	-	-
29	CLA	B	838	X	-	-	-
29	CLA	B	839	X	-	-	-
29	CLA	B	840	X	-	-	-
29	CLA	B	841	X	-	-	-
29	CLA	F	201	X	-	-	-
29	CLA	F	202	X	-	-	-
29	CLA	J	103	X	-	-	-
29	CLA	K	101	X	-	-	-
29	CLA	K	102	X	-	-	-
29	CLA	L	201	X	-	-	-
29	CLA	L	202	X	-	-	-
29	CLA	L	203	X	-	-	-
29	CLA	O	201	X	-	-	-
29	CLA	O	202	X	-	-	-
29	CLA	O	203	X	-	-	-
29	CLA	O	204	X	-	-	-
29	CLA	R	202	X	-	-	-
29	CLA	X	301	X	-	-	-
29	CLA	Z	302	X	-	-	-
29	CLA	Z	303	X	-	-	-
29	CLA	Z	304	X	-	-	-
29	CLA	Z	305	X	-	-	-
29	CLA	a	601	X	-	-	-
29	CLA	a	602	X	-	-	-
29	CLA	a	603	X	-	-	-
29	CLA	a	604	X	-	-	-
29	CLA	a	605	X	-	-	-
29	CLA	a	606	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
29	CLA	a	607	X	-	-	-
29	CLA	a	608	X	-	-	-
29	CLA	a	609	X	-	-	-
29	CLA	a	611	X	-	-	-
29	CLA	a	612	X	-	-	-
29	CLA	b	601	X	-	-	-
29	CLA	b	602	X	-	-	-
29	CLA	b	603	X	-	-	-
29	CLA	b	604	X	-	-	-
29	CLA	b	606	X	-	-	-
29	CLA	b	607	X	-	-	-
29	CLA	b	608	X	-	-	-
29	CLA	b	610	X	-	-	-
29	CLA	b	611	X	-	-	-
29	CLA	c	601	X	-	-	-
29	CLA	c	602	X	-	-	-
29	CLA	c	603	X	-	-	-
29	CLA	c	604	X	-	-	-
29	CLA	c	605	X	-	-	-
29	CLA	c	606	X	-	-	-
29	CLA	c	607	X	-	-	-
29	CLA	c	608	X	-	-	-
29	CLA	c	609	X	-	-	-
29	CLA	c	612	X	-	-	-
29	CLA	c	613	X	-	-	-
29	CLA	c	615	X	-	-	-
29	CLA	d	601	X	-	-	-
29	CLA	d	602	X	-	-	-
29	CLA	d	603	X	-	-	-
29	CLA	d	604	X	-	-	-
29	CLA	d	605	X	-	-	-
29	CLA	d	606	X	-	-	-
29	CLA	d	607	X	-	-	-
29	CLA	d	608	X	-	-	-
29	CLA	d	609	X	-	-	-
29	CLA	d	611	X	-	-	-
29	CLA	d	612	X	-	-	-
29	CLA	e	601	X	-	-	-
29	CLA	e	602	X	-	-	-
29	CLA	e	603	X	-	-	-
29	CLA	e	604	X	-	-	-
29	CLA	e	606	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
29	CLA	e	607	X	-	-	-
29	CLA	e	608	X	-	-	-
29	CLA	e	610	X	-	-	-
29	CLA	e	611	X	-	-	-

2 Entry composition

There are 40 unique types of molecules in this entry. The entry contains 61306 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called ACPI-1.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
1	1	175	1316	848	222	238	8	0	0

- Molecule 2 is a protein called ACPI-2.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	2	168	1320	872	215	230	3	0	0

- Molecule 3 is a protein called ACPI-3.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
3	3	191	1433	920	243	259	11	0	0

- Molecule 4 is a protein called ACPI-4.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
4	4	176	1366	891	224	245	6	0	0

- Molecule 5 is a protein called ACPI-5.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	5	188	1403	908	234	253	8	0	0

- Molecule 6 is a protein called ACPI-6.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
6	6	173	1305	846	217	232	10	0	0

- Molecule 7 is a protein called ACPI-7.

Mol	Chain	Residues	Atoms					AltConf	Trace
7	7	180	Total	C	N	O	S	0	0
			1358	874	234	242	8		

- Molecule 8 is a protein called ACPI-8.

Mol	Chain	Residues	Atoms					AltConf	Trace
8	8	175	Total	C	N	O	S	0	0
			1313	852	219	237	5		

- Molecule 9 is a protein called ACPI-12.

Mol	Chain	Residues	Atoms					AltConf	Trace
9	9	180	Total	C	N	O	S	0	0
			1349	864	230	243	12		

- Molecule 10 is a protein called Photosystem I P700 chlorophyll a apoprotein A1.

Mol	Chain	Residues	Atoms					AltConf	Trace
10	A	741	Total	C	N	O	S	0	0
			5824	3804	992	1000	28		

- Molecule 11 is a protein called Photosystem I P700 chlorophyll a apoprotein A2.

Mol	Chain	Residues	Atoms					AltConf	Trace
11	B	731	Total	C	N	O	S	0	0
			5828	3847	982	984	15		

- Molecule 12 is a protein called Photosystem I iron-sulfur center.

Mol	Chain	Residues	Atoms					AltConf	Trace
12	C	80	Total	C	N	O	S	0	0
			591	361	103	115	12		

- Molecule 13 is a protein called Photosystem I reaction center subunit II.

Mol	Chain	Residues	Atoms					AltConf	Trace
13	D	137	Total	C	N	O	S	0	0
			1070	685	184	198	3		

- Molecule 14 is a protein called Photosystem I reaction center subunit IV.

Mol	Chain	Residues	Atoms				AltConf	Trace
14	E	61	Total	C	N	O	0	0
			491	312	85	94		

- Molecule 15 is a protein called Photosystem I reaction center subunit III.

Mol	Chain	Residues	Atoms					AltConf	Trace
15	F	160	Total	C	N	O	S	0	0
			1258	814	214	228	2		

- Molecule 16 is a protein called Photosystem I reaction center subunit VIII.

Mol	Chain	Residues	Atoms					AltConf	Trace
16	I	33	Total	C	N	O	S	0	0
			258	180	34	42	2		

- Molecule 17 is a protein called Photosystem I reaction center subunit IX.

Mol	Chain	Residues	Atoms					AltConf	Trace
17	J	42	Total	C	N	O	S	0	0
			342	232	49	58	3		

- Molecule 18 is a protein called Photosystem I reaction center subunit PsaK.

Mol	Chain	Residues	Atoms					AltConf	Trace
18	K	78	Total	C	N	O	S	0	0
			553	358	90	102	3		

- Molecule 19 is a protein called Photosystem I reaction center subunit XI.

Mol	Chain	Residues	Atoms					AltConf	Trace
19	L	150	Total	C	N	O	S	0	0
			1143	746	184	211	2		

- Molecule 20 is a protein called Photosystem I reaction center subunit XII.

Mol	Chain	Residues	Atoms					AltConf	Trace
20	M	30	Total	C	N	O	S	0	0
			227	152	35	39	1		

- Molecule 21 is a protein called PsaO.

Mol	Chain	Residues	Atoms					AltConf	Trace
21	O	99	Total	C	N	O	S	0	0
			766	518	113	134	1		

- Molecule 22 is a protein called PsaR.

Mol	Chain	Residues	Atoms					AltConf	Trace
22	R	92	Total	C	N	O	S	0	0
			680	439	112	127	2		

- Molecule 23 is a protein called CCPI-S.

Mol	Chain	Residues	Atoms					AltConf	Trace
23	Z	153	Total	C	N	O	S	0	0
			1130	721	188	211	10		

- Molecule 24 is a protein called ACPI-13/10.

Mol	Chain	Residues	Atoms					AltConf	Trace
24	a	171	Total	C	N	O	S	0	0
			1271	823	207	231	10		
24	d	171	Total	C	N	O	S	0	0
			1271	823	207	231	10		

- Molecule 25 is a protein called ACPI-14.

Mol	Chain	Residues	Atoms					AltConf	Trace
25	b	176	Total	C	N	O	S	0	0
			1368	891	224	244	9		

- Molecule 26 is a protein called ACPI-9.

Mol	Chain	Residues	Atoms					AltConf	Trace
26	c	215	Total	C	N	O	S	0	0
			1615	1053	265	283	14		

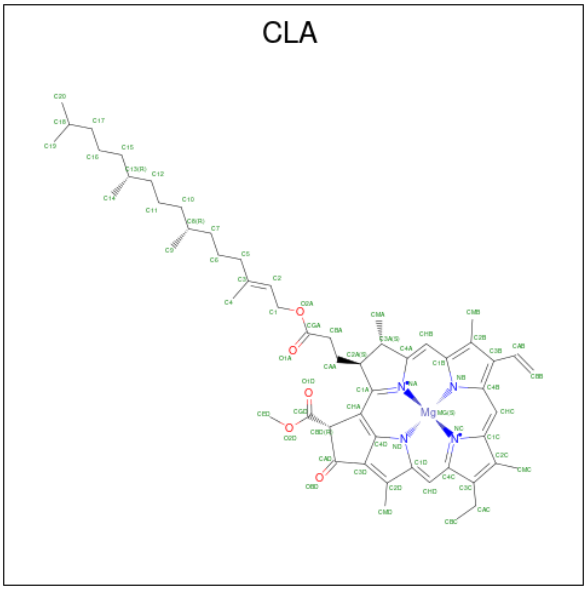
- Molecule 27 is a protein called ACPI-11.

Mol	Chain	Residues	Atoms					AltConf	Trace
27	e	168	Total	C	N	O	S	0	0
			1288	840	209	227	12		

- Molecule 28 is a protein called PsaQ.

Mol	Chain	Residues	Atoms					AltConf	Trace
28	X	145	Total	C	N	O	S	0	0
			1034	655	176	199	4		

- Molecule 29 is CHLOROPHYLL A (CCD ID: CLA) (formula: $C_{55}H_{72}MgN_4O_5$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms					AltConf
29	1	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	1	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
29	1	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
29	1	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	1	1	Total	C	Mg	N	O	0
			42	34	1	4	3	
29	1	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	1	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	1	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	1	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
29	1	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
29	1	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	1	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	2	1	Total	C	Mg	N	O	0
			42	34	1	4	3	
29	2	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
29	2	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
29	2	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	2	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	2	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	2	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
29	2	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
29	2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	3	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	3	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	3	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	3	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	3	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	3	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	3	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	3	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
29	3	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	3	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
29	3	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	4	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	4	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
29	4	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
29	4	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	4	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	4	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	4	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	5	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
29	5	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	5	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	5	1	Total	C	Mg	N	O	0
			60	50	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
29	5	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
29	5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	5	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
29	6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	6	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	6	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	6	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	6	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	6	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	6	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
29	6	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	7	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	7	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	7	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	7	1	Total	C	Mg	N	O	0
			53	43	1	4	5	
29	7	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	7	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
29	7	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	7	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
29	7	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	7	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
29	8	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	8	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	8	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	8	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
29	8	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	8	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	8	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
29	8	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	8	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	9	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	9	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	9	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	9	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	9	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	9	1	Total	C	Mg	N	O	0
			57	47	1	4	5	
29	9	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	9	1	Total	C	Mg	N	O	0
			55	45	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
29	9	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
29	9	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
29	9	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	9	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	9	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			42	34	1	4	3	
29	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
29	B	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			42	34	1	4	3	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
29	B	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	F	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	F	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	J	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
29	K	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	K	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	L	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
29	L	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	L	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
29	O	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	O	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
29	O	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	O	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	R	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	Z	1	Total	C	Mg	N	O	0
			60	50	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
29	Z	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	Z	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
29	Z	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	b	1	Total	C	Mg	N	O	0
			64	54	1	4	5	
29	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	b	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
29	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
29	b	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
29	b	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	c	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	c	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	c	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	c	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	c	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
29	c	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	c	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
29	c	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	c	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
29	d	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	d	1	Total	C	Mg	N	O	0
			64	54	1	4	5	
29	d	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
29	d	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
29	d	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
29	d	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
29	d	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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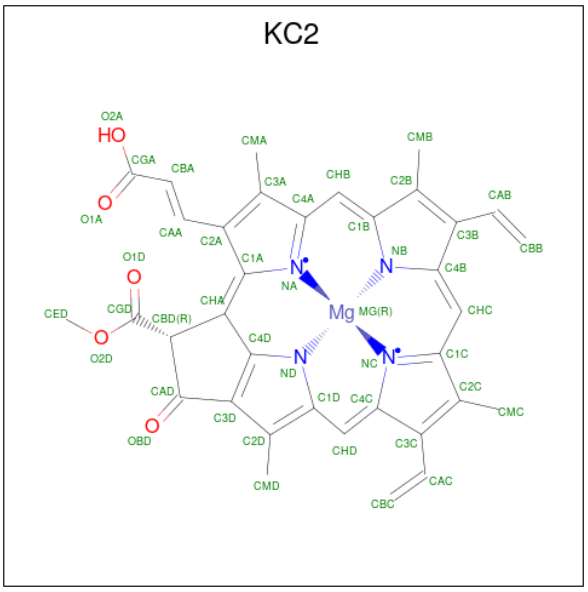
Mol	Chain	Residues	Atoms					AltConf
29	d	1	Total 65	C 55	Mg 1	N 4	O 5	0
29	d	1	Total 41	C 33	Mg 1	N 4	O 3	0
29	d	1	Total 50	C 40	Mg 1	N 4	O 5	0
29	d	1	Total 63	C 53	Mg 1	N 4	O 5	0
29	e	1	Total 45	C 35	Mg 1	N 4	O 5	0
29	e	1	Total 55	C 45	Mg 1	N 4	O 5	0
29	e	1	Total 50	C 40	Mg 1	N 4	O 5	0
29	e	1	Total 60	C 50	Mg 1	N 4	O 5	0
29	e	1	Total 60	C 50	Mg 1	N 4	O 5	0
29	e	1	Total 45	C 35	Mg 1	N 4	O 5	0
29	e	1	Total 41	C 33	Mg 1	N 4	O 3	0
29	e	1	Total 51	C 41	Mg 1	N 4	O 5	0
29	e	1	Total 65	C 55	Mg 1	N 4	O 5	0
29	X	1	Total 52	C 42	Mg 1	N 4	O 5	0

- Molecule 30 is Chlorophyll c2 (CCD ID: KC2) (formula: $C_{35}H_{28}MgN_4O_5$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms					AltConf
30	1	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	3	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	7	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	7	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	9	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	Z	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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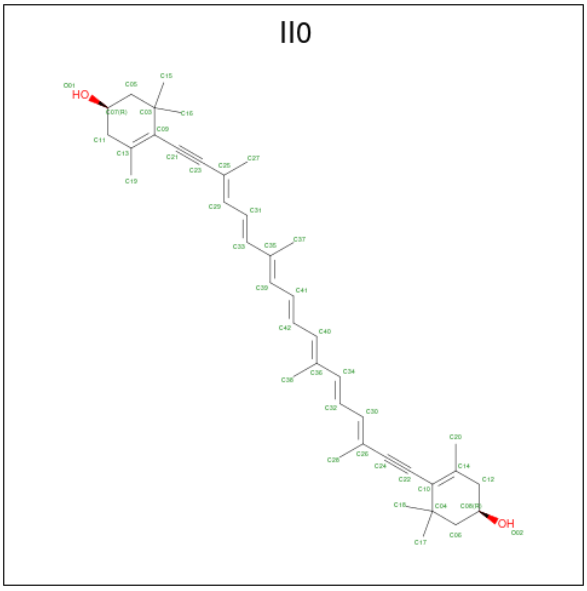
Mol	Chain	Residues	Atoms					AltConf
30	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	d	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	e	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
30	e	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

- Molecule 31 is (1 {R})-3,5,5-trimethyl-4-[(3 {E},5 {E},7 {E},9 {E},11 {E},13 {E},15 {E})-3,7,12,16-tetramethyl-18-[(4 {R})-2,6,6-trimethyl-4-oxidanyl-cyclohexen-1-yl]octadeca-3,5,7,9,11,13,15-heptaen-1,17-diynyl]cyclohex-3-en-1-ol (CCD ID: II0) (formula: $C_{40}H_{52}O_2$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms			AltConf
31	1	1	Total	C	O	0
			42	40	2	
31	1	1	Total	C	O	0
			42	40	2	
31	1	1	Total	C	O	0
			42	40	2	
31	1	1	Total	C	O	0
			42	40	2	

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Mol	Chain	Residues	Atoms	AltConf
31	2	1	Total C O 42 40 2	0
31	2	1	Total C O 42 40 2	0
31	2	1	Total C O 42 40 2	0
31	3	1	Total C O 42 40 2	0
31	3	1	Total C O 42 40 2	0
31	3	1	Total C O 42 40 2	0
31	3	1	Total C O 42 40 2	0
31	3	1	Total C O 42 40 2	0
31	4	1	Total C O 42 40 2	0
31	4	1	Total C O 42 40 2	0
31	4	1	Total C O 42 40 2	0
31	4	1	Total C O 42 40 2	0
31	5	1	Total C O 42 40 2	0
31	5	1	Total C O 42 40 2	0
31	5	1	Total C O 42 40 2	0
31	5	1	Total C O 42 40 2	0
31	5	1	Total C O 42 40 2	0
31	6	1	Total C O 42 40 2	0
31	6	1	Total C O 42 40 2	0
31	7	1	Total C O 42 40 2	0
31	7	1	Total C O 42 40 2	0

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Mol	Chain	Residues	Atoms			AltConf
31	7	1	Total	C	O	0
			42	40	2	
31	7	1	Total	C	O	0
			42	40	2	
31	7	1	Total	C	O	0
			42	40	2	
31	8	1	Total	C	O	0
			42	40	2	
31	8	1	Total	C	O	0
			42	40	2	
31	8	1	Total	C	O	0
			42	40	2	
31	9	1	Total	C	O	0
			42	40	2	
31	9	1	Total	C	O	0
			42	40	2	
31	9	1	Total	C	O	0
			42	40	2	
31	9	1	Total	C	O	0
			42	40	2	
31	9	1	Total	C	O	0
			42	40	2	
31	J	1	Total	C	O	0
			42	40	2	
31	O	1	Total	C	O	0
			42	40	2	
31	O	1	Total	C	O	0
			42	40	2	
31	R	1	Total	C	O	0
			42	40	2	
31	R	1	Total	C	O	0
			42	40	2	
31	a	1	Total	C	O	0
			42	40	2	
31	a	1	Total	C	O	0
			42	40	2	
31	a	1	Total	C	O	0
			42	40	2	
31	a	1	Total	C	O	0
			42	40	2	
31	b	1	Total	C	O	0
			42	40	2	

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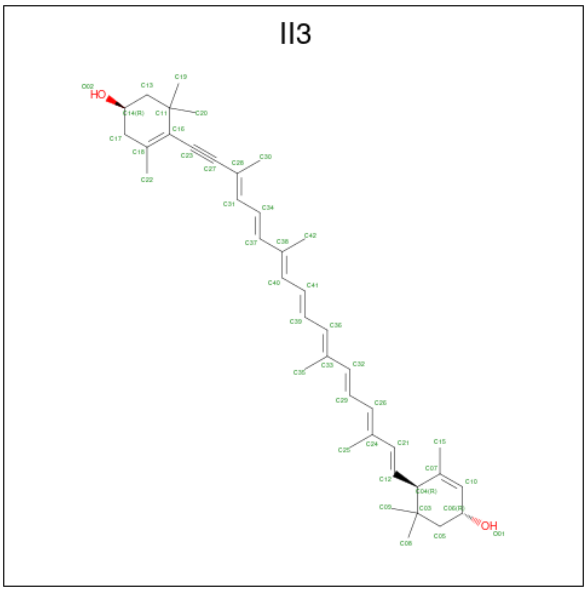
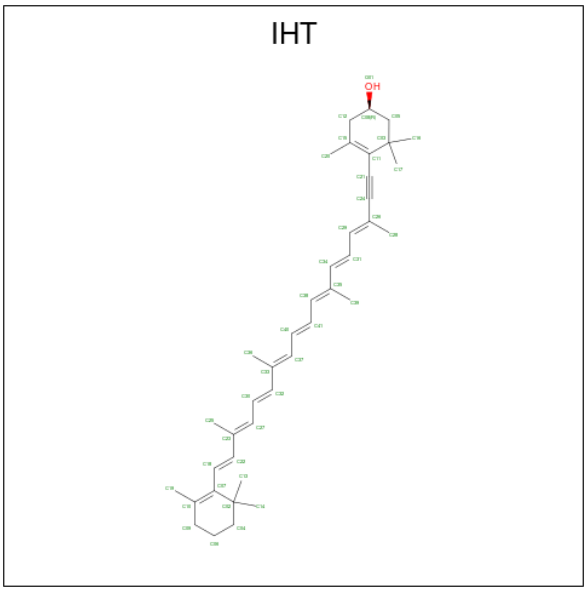
Mol	Chain	Residues	Atoms	AltConf
31	b	1	Total C O 42 40 2	0
31	c	1	Total C O 42 40 2	0
31	c	1	Total C O 42 40 2	0
31	c	1	Total C O 42 40 2	0
31	c	1	Total C O 42 40 2	0
31	c	1	Total C O 42 40 2	0
31	d	1	Total C O 42 40 2	0
31	d	1	Total C O 42 40 2	0
31	d	1	Total C O 42 40 2	0
31	d	1	Total C O 42 40 2	0
31	e	1	Total C O 42 40 2	0
31	e	1	Total C O 42 40 2	0
31	e	1	Total C O 42 40 2	0

- Molecule 32 is (1 {R})-3,5,5-trimethyl-4-[(3 {E},5 {E},7 {E},9 {E},11 {E},13 {E},15 {E},17 {E})-3,7,12,16-tetramethyl-18-[(1 {R},4 {R})-2,6,6-trimethyl-4-oxidanyl-cyclohex-2-en-1-yl]octadeca-3,5,7,9,11,13,15,17-octaen-1-ynyl]cyclohex-3-en-1-ol (CCD ID: II3) (formula: $C_{40}H_{54}O_2$) (labeled as "Ligand of Interest" by depositor).



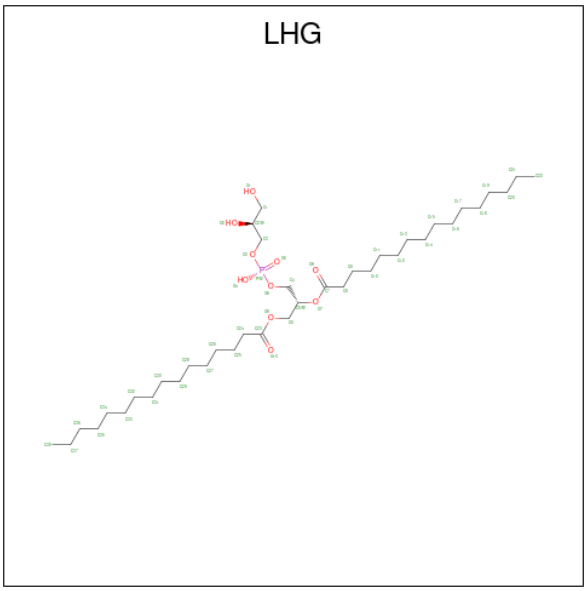
Mol	Chain	Residues	Atoms			AltConf
32	1	1	Total	C	O	0
			42	40	2	
32	8	1	Total	C	O	0
			42	40	2	
32	b	1	Total	C	O	0
			42	40	2	
32	e	1	Total	C	O	0
			42	40	2	

- Molecule 33 is (1 {R})-3,5,5-trimethyl-4-[(3 {E},5 {E},7 {E},9 {E},11 {E},13 {E},15 {E},17 {E})-3,7,12,16-tetramethyl-18-(2,6,6-trimethylcyclohexen-1-yl)octadeca-3,5,7,9,11,13,15,17-octaen-1-ynyl]cyclohex-3-en-1-ol (CCD ID: IHT) (formula: $C_{40}H_{54}O$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms	AltConf
33	1	1	Total C O 41 40 1	0
33	2	1	Total C O 41 40 1	0
33	5	1	Total C O 41 40 1	0
33	6	1	Total C O 41 40 1	0
33	8	1	Total C O 41 40 1	0
33	9	1	Total C O 41 40 1	0
33	K	1	Total C O 41 40 1	0
33	L	1	Total C O 41 40 1	0
33	Z	1	Total C O 41 40 1	0
33	a	1	Total C O 41 40 1	0
33	c	1	Total C O 41 40 1	0
33	d	1	Total C O 41 40 1	0

- Molecule 34 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (CCD ID: LHG) (formula: $C_{38}H_{75}O_{10}P$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms				AltConf
34	1	1	Total	C	O	P	0
			35	24	10	1	
34	2	1	Total	C	O	P	0
			22	12	9	1	
34	2	1	Total	C	O	P	0
			39	28	10	1	
34	3	1	Total	C	O	P	0
			42	31	10	1	
34	3	1	Total	C	O	P	0
			49	38	10	1	
34	4	1	Total	C	O	P	0
			49	38	10	1	
34	4	1	Total	C	O	P	0
			49	38	10	1	
34	4	1	Total	C	O	P	0
			45	34	10	1	
34	4	1	Total	C	O	P	0
			45	34	10	1	
34	5	1	Total	C	O	P	0
			23	12	10	1	
34	5	1	Total	C	O	P	0
			35	24	10	1	
34	7	1	Total	C	O	P	0
			39	28	10	1	
34	7	1	Total	C	O	P	0
			31	20	10	1	
34	8	1	Total	C	O	P	0
			33	22	10	1	

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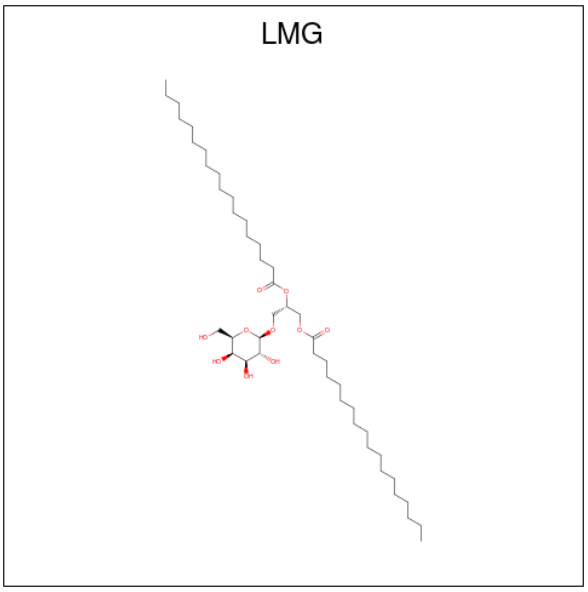
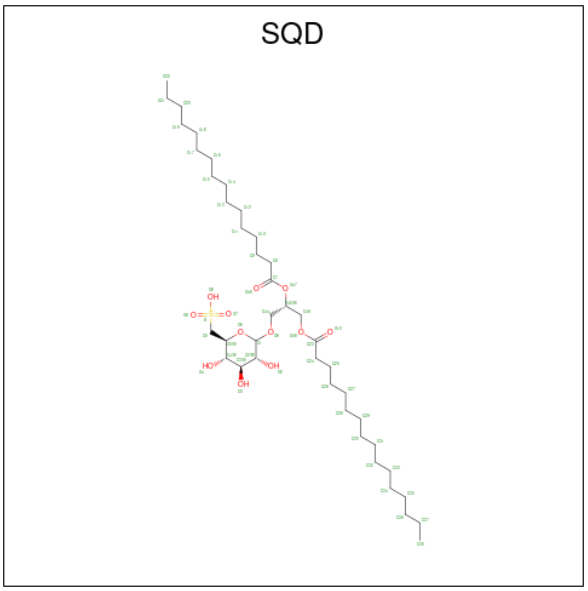
Mol	Chain	Residues	Atoms				AltConf
34	8	1	Total	C	O	P	0
			49	38	10	1	
34	9	1	Total	C	O	P	0
			36	27	8	1	
34	A	1	Total	C	O	P	0
			49	38	10	1	
34	A	1	Total	C	O	P	0
			39	28	10	1	
34	A	1	Total	C	O	P	0
			23	14	8	1	
34	B	1	Total	C	O	P	0
			40	31	8	1	
34	J	1	Total	C	O	P	0
			34	23	10	1	
34	L	1	Total	C	O	P	0
			22	16	5	1	
34	L	1	Total	C	O	P	0
			33	23	9	1	
34	L	1	Total	C	O	P	0
			34	23	10	1	
34	M	1	Total	C	O	P	0
			24	15	8	1	
34	O	1	Total	C	O	P	0
			40	31	8	1	
34	Z	1	Total	C	O	P	0
			40	31	8	1	
34	Z	1	Total	C	O	P	0
			46	35	10	1	
34	a	1	Total	C	O	P	0
			27	16	10	1	
34	b	1	Total	C	O	P	0
			30	19	10	1	
34	c	1	Total	C	O	P	0
			21	11	9	1	
34	c	1	Total	C	O	P	0
			35	24	10	1	
34	e	1	Total	C	O	P	0
			28	17	10	1	

- Molecule 35 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (CCD ID: LMG) (formula: $C_{45}H_{86}O_{10}$) (labeled as "Ligand of Interest" by depositor).



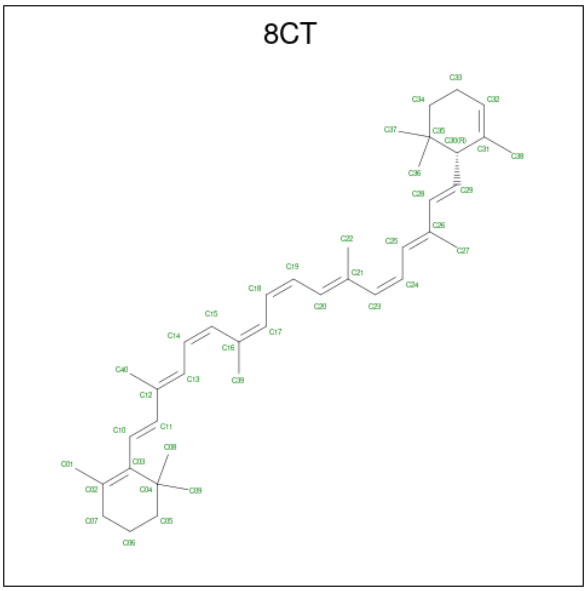
Mol	Chain	Residues	Atoms			AltConf
35	2	1	Total	C	O	0
			36	26	10	
35	3	1	Total	C	O	0
			30	20	10	
35	6	1	Total	C	O	0
			32	22	10	
35	8	1	Total	C	O	0
			52	42	10	
35	F	1	Total	C	O	0
			32	22	10	
35	Z	1	Total	C	O	0
			48	38	10	
35	X	1	Total	C	O	0
			34	24	10	

- Molecule 36 is 1,2-DI-O-ACYL-3-O-[6-DEOXY-6-SULFO-ALPHA-D-GLUCOPYRANOSYL]-SN-GLYCEROL (CCD ID: SQD) (formula: $C_{41}H_{78}O_{12}S$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms				AltConf
36	3	1	Total	C	O	S	0
			36	23	12	1	
36	3	1	Total	C	O	S	0
			36	23	12	1	
36	7	1	Total	C	O	S	0
			36	23	12	1	
36	9	1	Total	C	O	S	0
			30	17	12	1	
36	B	1	Total	C	O	S	0
			33	20	12	1	
36	O	1	Total	C	O	S	0
			29	16	12	1	
36	a	1	Total	C	O	S	0
			42	29	12	1	

- Molecule 37 is (6'R,11cis,11'cis,13cis,15cis)-4',5'-didehydro-5',6'-dihydro-beta,beta-carotene (CCD ID: 8CT) (formula: $C_{40}H_{56}$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms	AltConf
37	4	1	Total C 40 40	0
37	7	1	Total C 40 40	0
37	A	1	Total C 40 40	0
37	A	1	Total C 40 40	0
37	A	1	Total C 40 40	0
37	A	1	Total C 40 40	0
37	B	1	Total C 40 40	0
37	B	1	Total C 40 40	0
37	B	1	Total C 40 40	0
37	B	1	Total C 40 40	0
37	B	1	Total C 40 40	0
37	B	1	Total C 40 40	0
37	B	1	Total C 40 40	0
37	B	1	Total C 40 40	0

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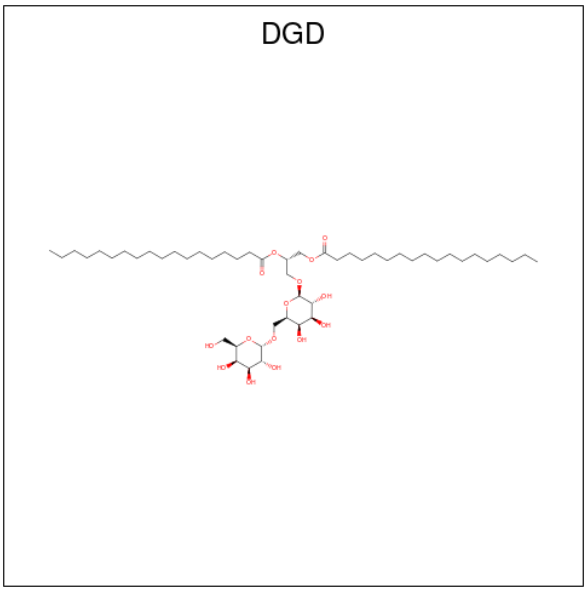
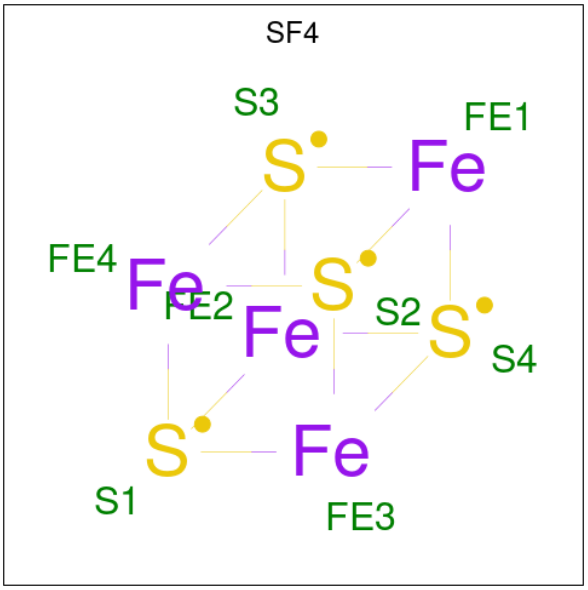
Mol	Chain	Residues	Atoms	AltConf
37	F	1	Total C 40 40	0
37	I	1	Total C 40 40	0
37	J	1	Total C 40 40	0
37	K	1	Total C 40 40	0
37	L	1	Total C 40 40	0
37	M	1	Total C 40 40	0
37	R	1	Total C 40 40	0
37	Z	1	Total C 40 40	0
37	Z	1	Total C 40 40	0
37	b	1	Total C 40 40	0
37	e	1	Total C 40 40	0

- Molecule 38 is DIGALACTOSYL DIACYL GLYCEROL (DGDG) (CCD ID: DGD) (formula: $C_{51}H_{96}O_{15}$) (labeled as "Ligand of Interest" by depositor).



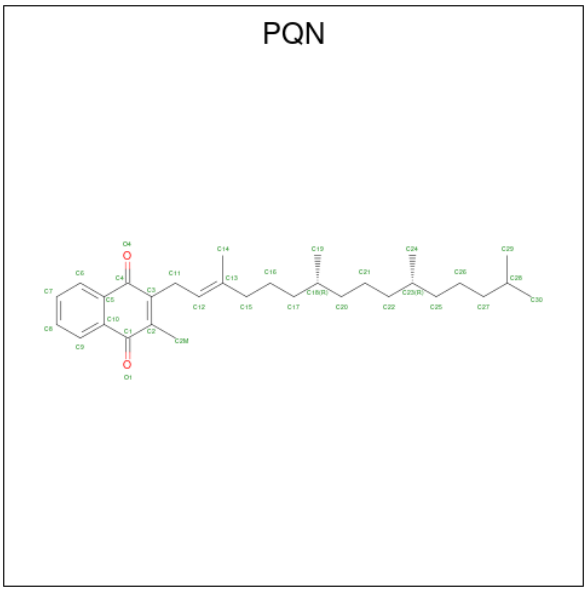
Mol	Chain	Residues	Atoms	AltConf
38	9	1	Total C O 60 45 15	0
38	B	1	Total C O 59 44 15	0

- Molecule 39 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms	AltConf
39	A	1	Total Fe S 8 4 4	0
39	C	1	Total Fe S 8 4 4	0
39	C	1	Total Fe S 8 4 4	0

- Molecule 40 is PHYLLOQUINONE (CCD ID: PQN) (formula: $C_{31}H_{46}O_2$).



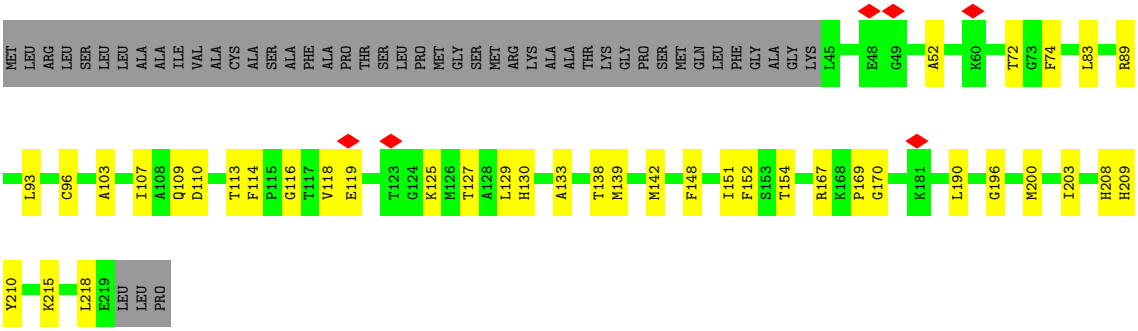
Mol	Chain	Residues	Atoms			AltConf
40	A	1	Total	C	O	0
			33	31	2	
40	B	1	Total	C	O	0
			33	31	2	

3 Residue-property plots (i)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and atom inclusion in map density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red diamond above a residue indicates a poor fit to the EM map for this residue (all-atom inclusion < 40%). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

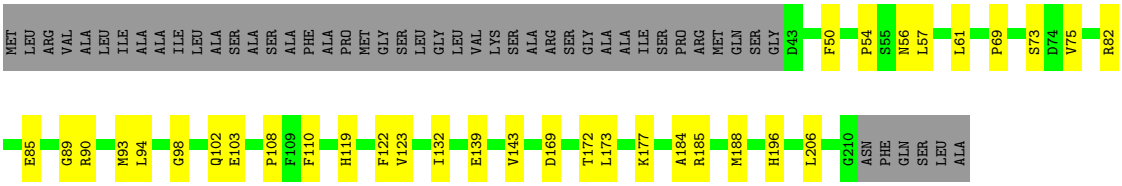
- Molecule 1: ACPI-1

Chain 1:



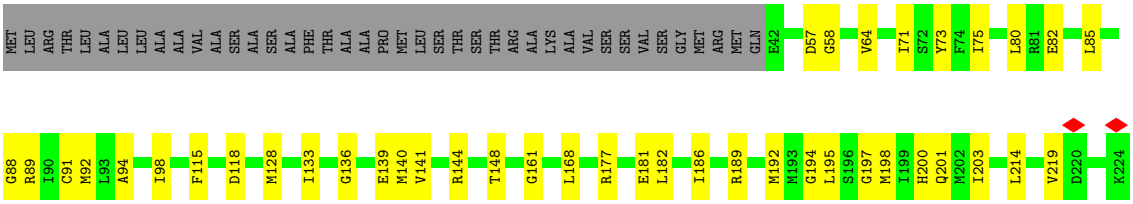
- Molecule 2: ACPI-2

Chain 2:



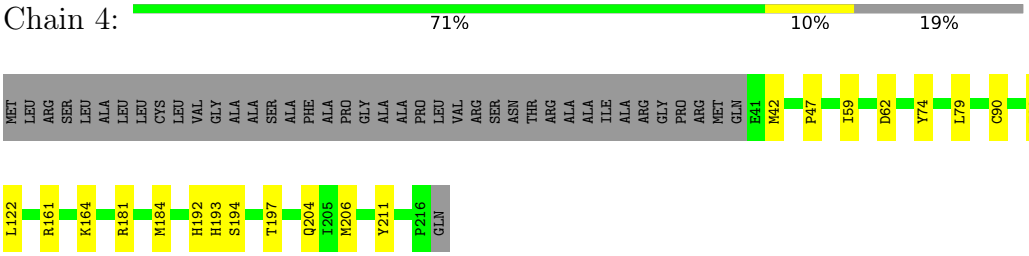
- Molecule 3: ACPI-3

Chain 3:



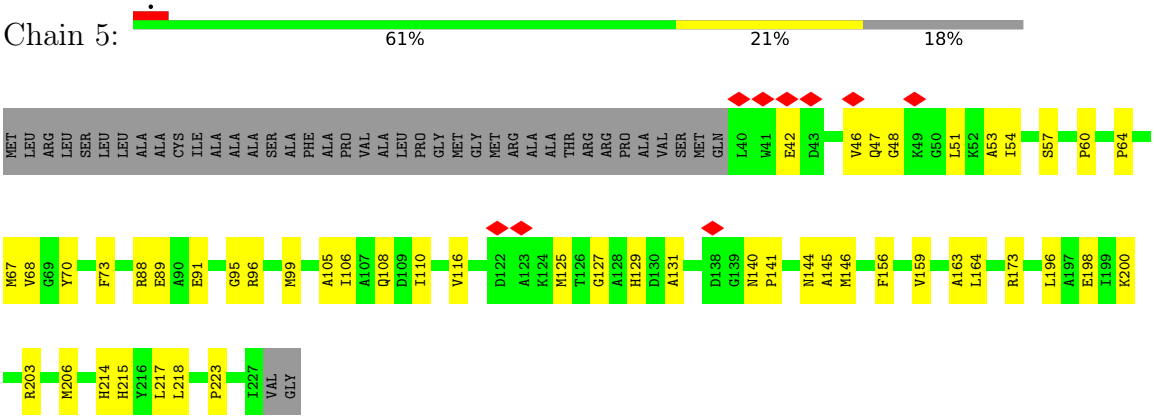
• Molecule 4: ACPI-4

Chain 4:



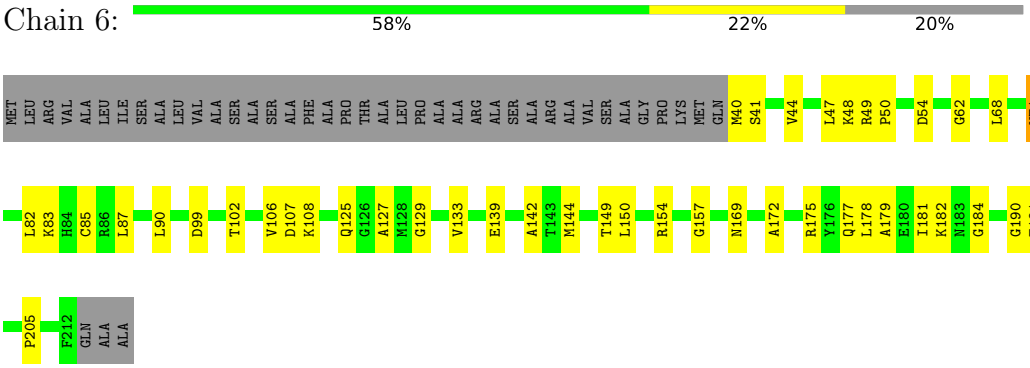
• Molecule 5: ACPI-5

Chain 5:



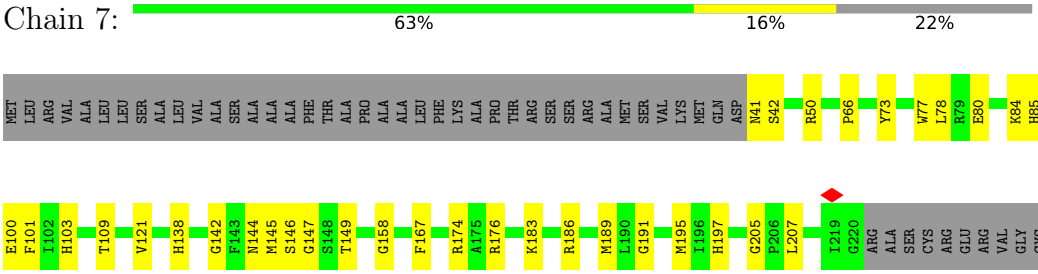
• Molecule 6: ACPI-6

Chain 6:



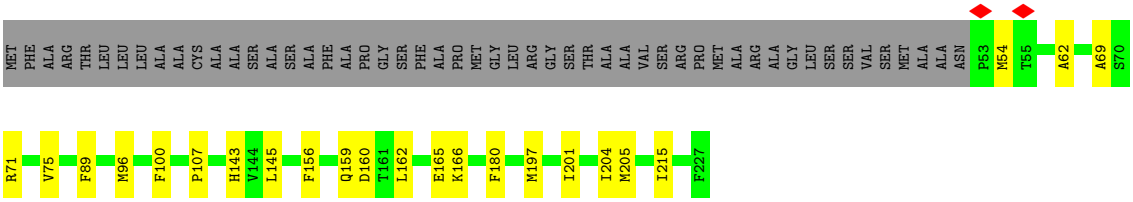
• Molecule 7: ACPI-7

Chain 7:



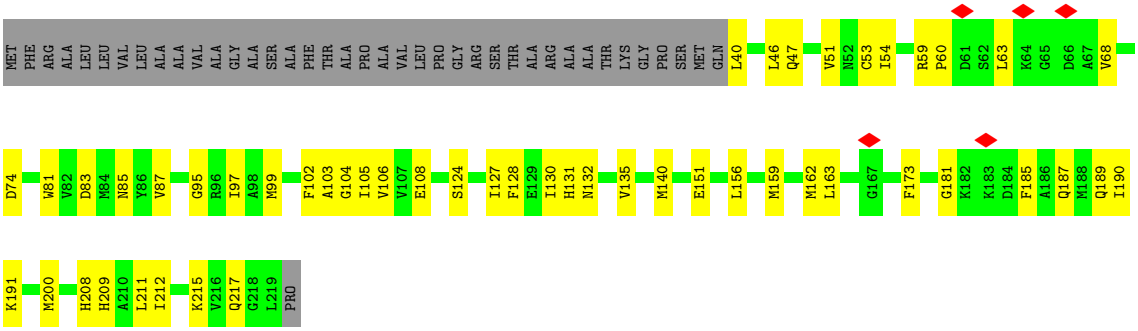
• Molecule 8: ACPI-8

Chain 8:



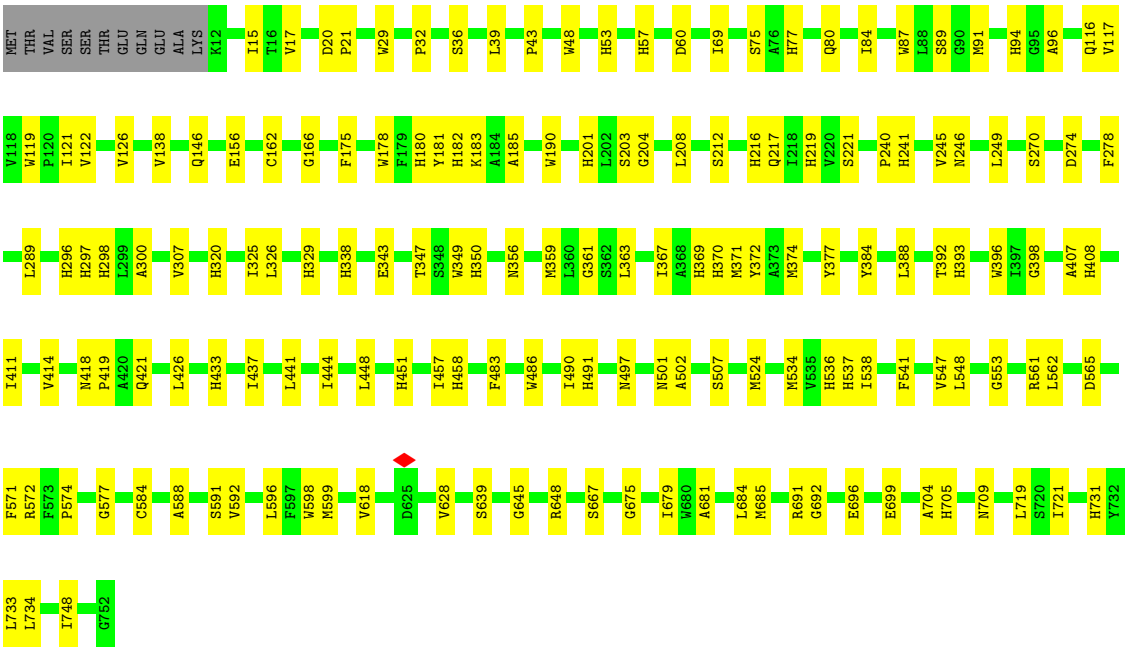
• Molecule 9: ACPI-12

Chain 9:



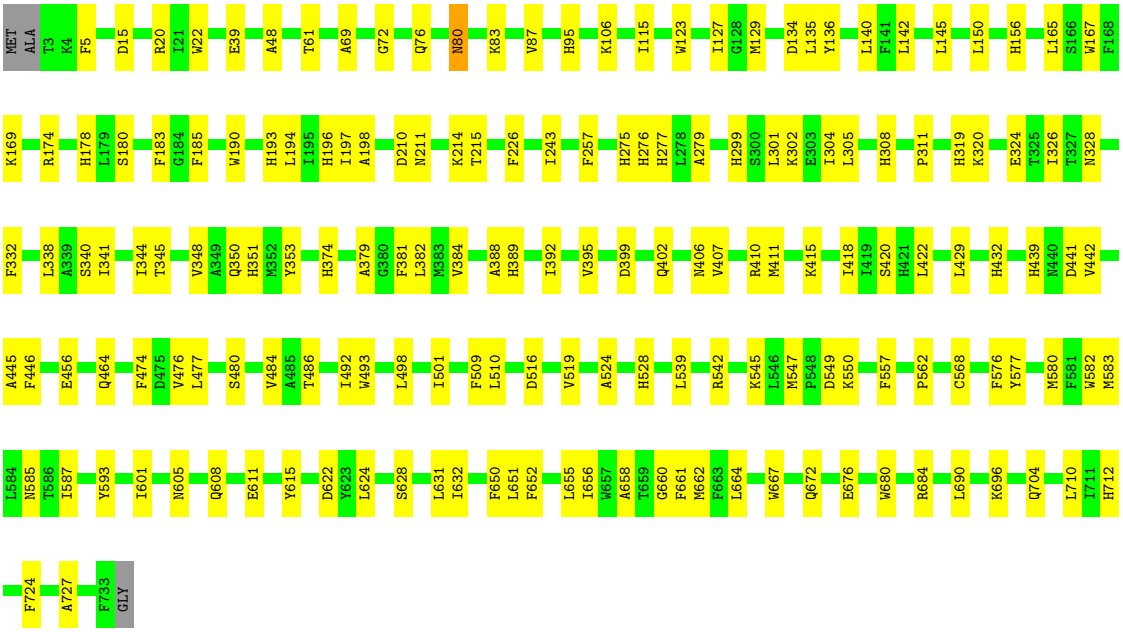
• Molecule 10: Photosystem I P700 chlorophyll a apoprotein A1

Chain A:



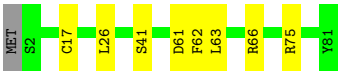
• Molecule 11: Photosystem I P700 chlorophyll a apoprotein A2

Chain B:



• Molecule 12: Photosystem I iron-sulfur center

Chain C:

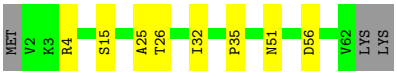


• Molecule 13: Photosystem I reaction center subunit II

Chain D:

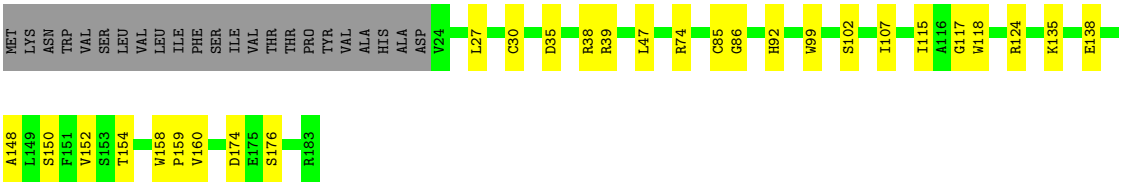
• Molecule 14: Photosystem I reaction center subunit IV

Chain E:



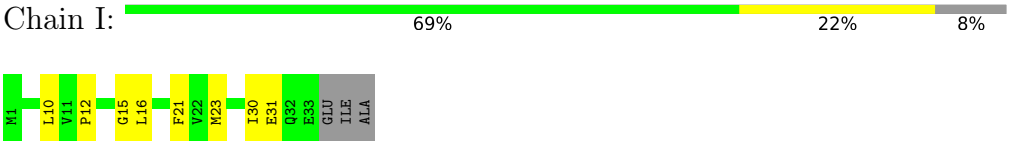
• Molecule 15: Photosystem I reaction center subunit III

Chain F:



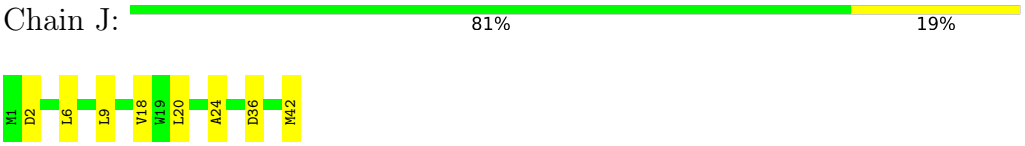
• Molecule 16: Photosystem I reaction center subunit VIII

Chain I:



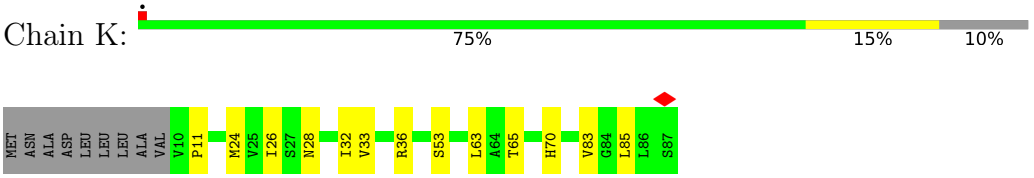
• Molecule 17: Photosystem I reaction center subunit IX

Chain J:



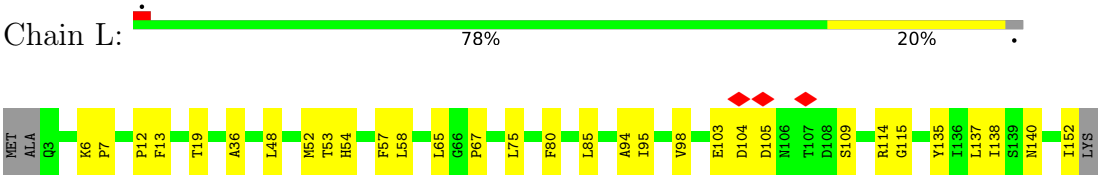
• Molecule 18: Photosystem I reaction center subunit PsaK

Chain K:



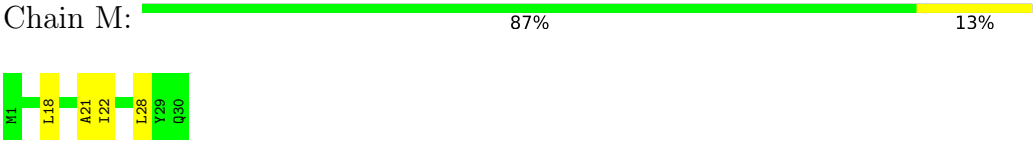
• Molecule 19: Photosystem I reaction center subunit XI

Chain L:



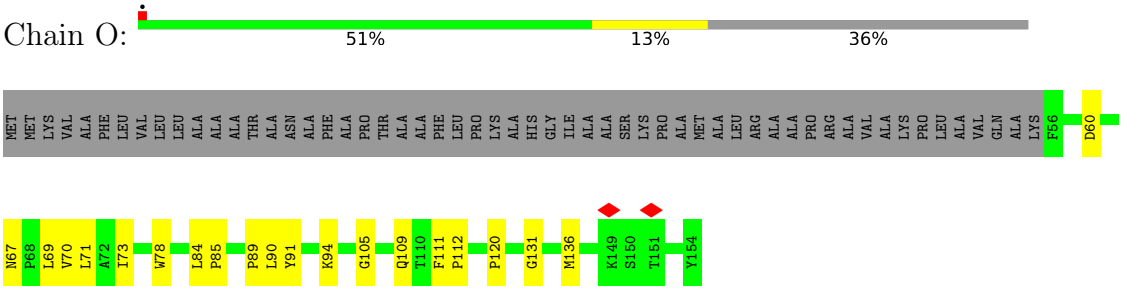
• Molecule 20: Photosystem I reaction center subunit XII

Chain M:



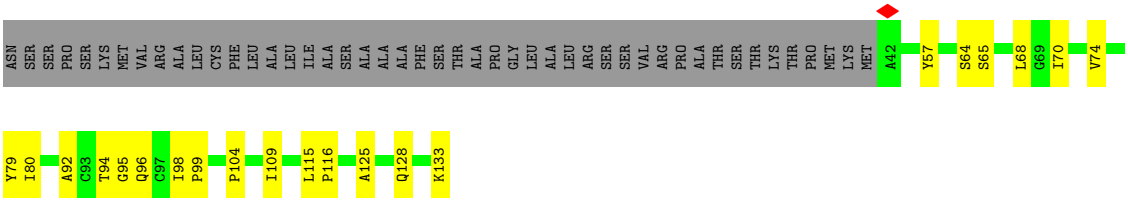
• Molecule 21: PsaO

Chain O:



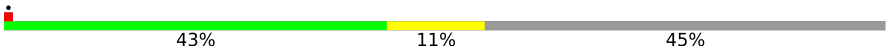
• Molecule 22: PsaR

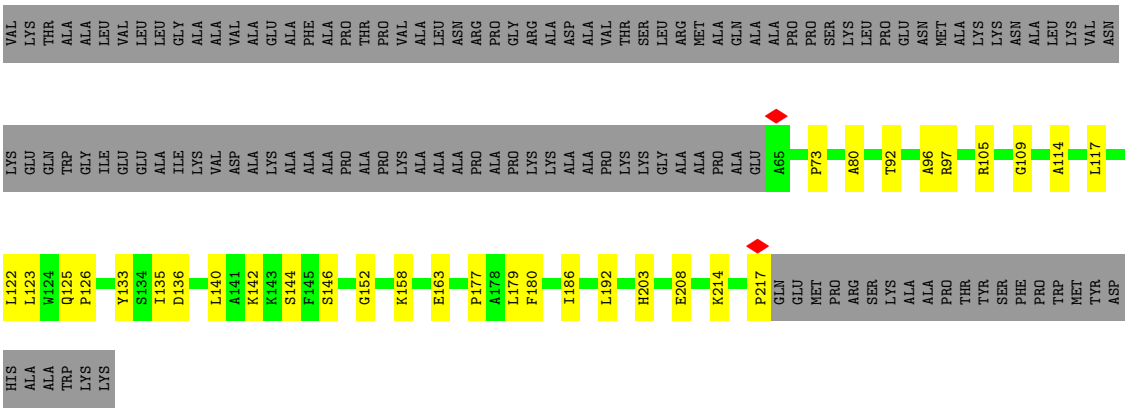
Chain R:



• Molecule 23: CCPI-S

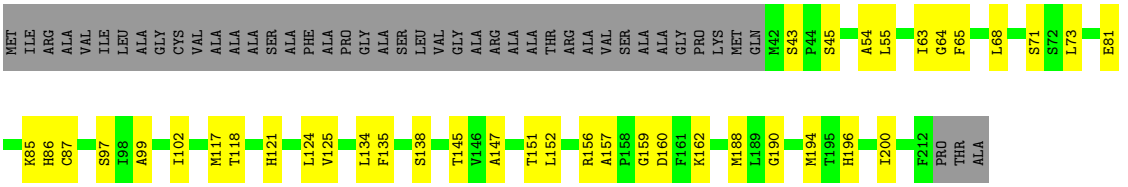
Chain Z:





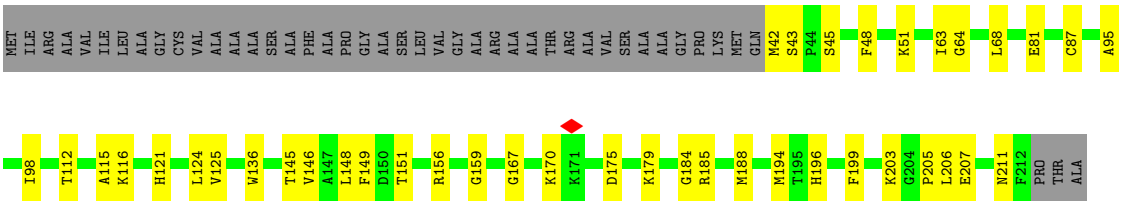
• Molecule 24: ACPI-13/10

Chain a:



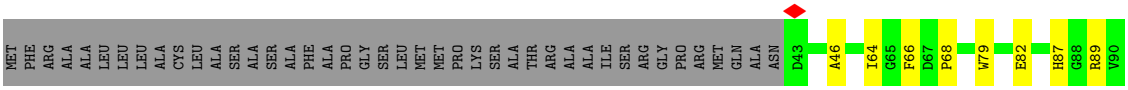
• Molecule 24: ACPI-13/10

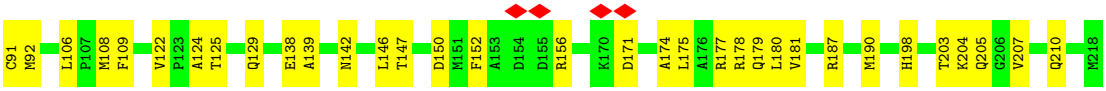
Chain d:



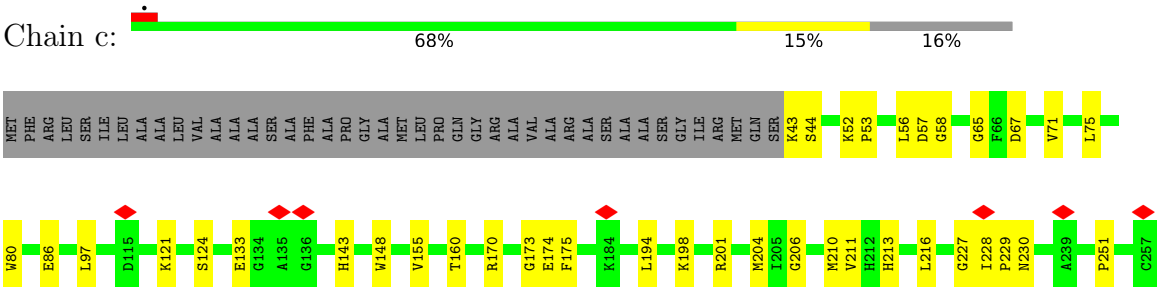
• Molecule 25: ACPI-14

Chain b:

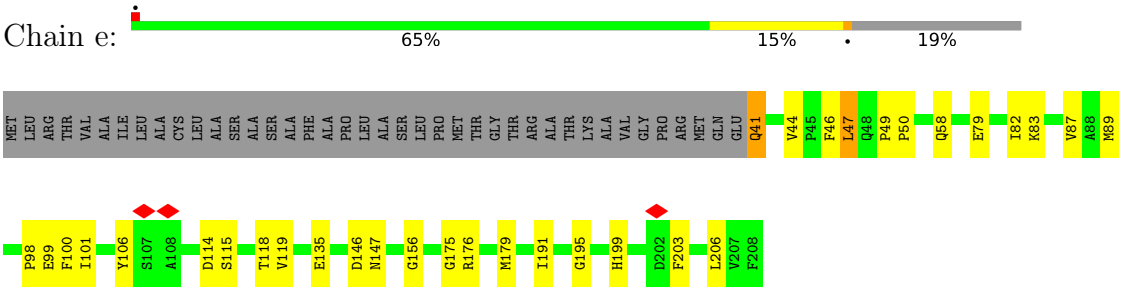




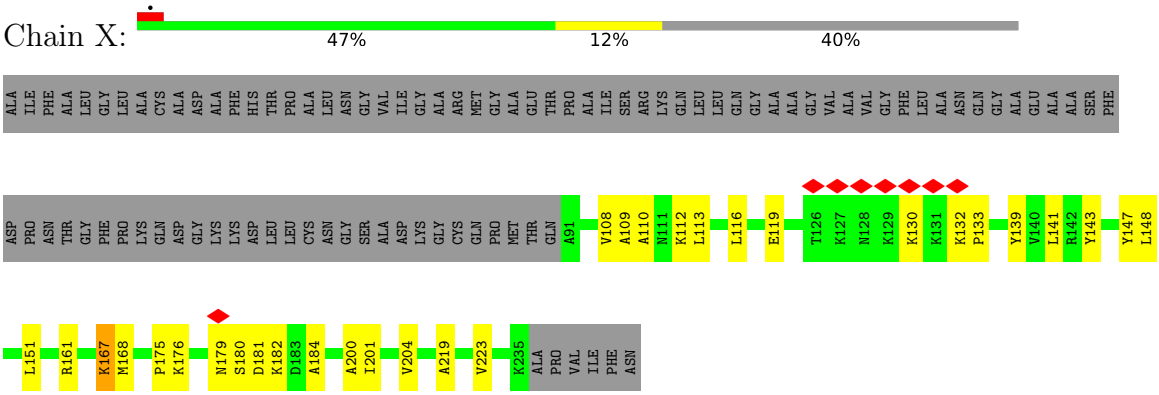
• Molecule 26: ACPI-9



• Molecule 27: ACPI-11



• Molecule 28: PsaQ



4 Experimental information (i)

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	171764	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	
Microscope	TFS KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	60.00	Depositor
Minimum defocus (nm)	1000	Depositor
Maximum defocus (nm)	2000	Depositor
Magnification	Not provided	
Image detector	GATAN K3 BIOCONTINUUM (6k x 4k)	Depositor
Maximum map value	0.709	Depositor
Minimum map value	-0.190	Depositor
Average map value	0.000	Depositor
Map value standard deviation	0.013	Depositor
Recommended contour level	0.1	Depositor
Map size (Å)	532.48, 532.48, 532.48	wwPDB
Map dimensions	512, 512, 512	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.04, 1.04, 1.04	Depositor

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: LMG, 8CT, LHG, KC2, II3, IHT, PQN, SQD, SF4, II0, DGD, CLA

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#$\|Z\|$ >5	RMSZ	#$\|Z\|$ >5
1	1	0.18	0/1349	0.39	0/1826
2	2	0.17	0/1356	0.30	0/1835
3	3	0.18	0/1464	0.38	0/1978
4	4	0.16	0/1406	0.30	0/1900
5	5	0.19	0/1438	0.44	0/1940
6	6	0.25	0/1334	0.39	0/1796
7	7	0.17	0/1394	0.38	0/1886
8	8	0.19	0/1342	0.33	0/1825
9	9	0.21	0/1376	0.37	0/1846
10	A	0.20	0/6019	0.37	0/8204
11	B	0.24	0/6046	0.41	0/8254
12	C	0.16	0/600	0.37	0/812
13	D	0.31	0/1094	0.47	0/1476
14	E	0.19	0/499	0.31	0/677
15	F	0.18	0/1290	0.40	0/1745
16	I	0.20	0/266	0.39	0/362
17	J	0.14	0/353	0.29	0/481
18	K	0.19	0/563	0.33	0/768
19	L	0.15	0/1171	0.34	0/1594
20	M	0.14	0/228	0.23	0/310
21	O	0.14	0/796	0.29	0/1091
22	R	0.37	0/700	0.52	0/963
23	Z	0.15	0/1163	0.35	0/1572
24	a	0.18	0/1299	0.37	0/1747
24	d	0.17	0/1299	0.31	0/1747
25	b	0.15	0/1404	0.33	0/1902
26	c	0.15	0/1658	0.33	0/2241
27	e	0.14	0/1325	0.32	0/1793
28	X	0.30	0/1046	0.49	0/1413
All	All	0.20	0/41278	0.38	0/55984

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts (i)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1	1316	0	1305	30	0
2	2	1320	0	1309	28	0
3	3	1433	0	1462	37	0
4	4	1366	0	1349	19	0
5	5	1403	0	1398	37	0
6	6	1305	0	1324	35	0
7	7	1358	0	1339	27	0
8	8	1313	0	1339	20	0
9	9	1349	0	1358	38	0
10	A	5824	0	5672	149	0
11	B	5828	0	5626	172	0
12	C	591	0	567	10	0
13	D	1070	0	1076	27	0
14	E	491	0	491	6	0
15	F	1258	0	1266	21	0
16	I	258	0	268	8	0
17	J	342	0	344	8	0
18	K	553	0	581	15	0
19	L	1143	0	1145	28	0
20	M	227	0	257	4	0
21	O	766	0	752	15	0
22	R	680	0	674	17	0
23	Z	1130	0	1088	28	0
24	a	1271	0	1279	32	0
24	d	1271	0	1281	32	0
25	b	1368	0	1346	32	0
26	c	1615	0	1646	28	0
27	e	1288	0	1282	24	0
28	X	1034	0	1090	29	0
29	1	584	0	476	16	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
29	2	552	0	462	15	0
29	3	625	0	596	25	0
29	4	598	0	597	25	0
29	5	563	0	442	23	0
29	6	581	0	514	19	0
29	7	509	0	431	19	0
29	8	496	0	471	25	0
29	9	635	0	524	35	0
29	A	2794	0	2881	168	0
29	B	2404	0	2454	139	0
29	F	100	0	82	3	0
29	J	41	0	29	0	0
29	K	120	0	121	4	0
29	L	161	0	139	9	0
29	O	206	0	176	5	0
29	R	55	0	49	3	0
29	X	52	0	43	2	0
29	Z	225	0	206	9	0
29	a	645	0	632	21	0
29	b	523	0	508	20	0
29	c	666	0	632	25	0
29	d	589	0	538	18	0
29	e	472	0	414	17	0
30	1	45	0	0	1	0
30	2	45	0	0	0	0
30	3	45	0	0	1	0
30	4	45	0	0	0	0
30	5	45	0	0	0	0
30	6	90	0	0	1	0
30	7	90	0	0	1	0
30	9	45	0	0	0	0
30	Z	45	0	0	1	0
30	a	45	0	0	0	0
30	b	90	0	0	4	0
30	c	135	0	0	1	0
30	d	45	0	0	0	0
30	e	90	0	0	0	0
31	1	168	0	0	1	0
31	2	126	0	0	1	0
31	3	210	0	0	0	0
31	4	168	0	0	0	0
31	5	210	0	0	1	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
31	6	84	0	0	1	0
31	7	210	0	0	1	0
31	8	126	0	0	0	0
31	9	210	0	0	0	0
31	J	42	0	0	0	0
31	O	84	0	0	0	0
31	R	84	0	0	2	0
31	a	168	0	0	0	0
31	b	84	0	0	0	0
31	c	210	0	0	2	0
31	d	168	0	0	1	0
31	e	126	0	0	0	0
32	1	42	0	0	0	0
32	8	42	0	0	2	0
32	b	42	0	0	1	0
32	e	42	0	0	2	0
33	1	41	0	0	0	0
33	2	41	0	0	0	0
33	5	41	0	0	0	0
33	6	41	0	0	0	0
33	8	41	0	0	0	0
33	9	41	0	0	0	0
33	K	41	0	0	0	0
33	L	41	0	0	1	0
33	Z	41	0	0	0	0
33	a	41	0	0	1	0
33	c	41	0	0	1	0
33	d	41	0	0	0	0
34	1	35	0	39	2	0
34	2	61	0	68	1	0
34	3	91	0	131	4	0
34	4	188	0	271	15	0
34	5	58	0	56	4	0
34	7	70	0	83	5	0
34	8	82	0	110	1	0
34	9	36	0	45	1	0
34	A	111	0	139	5	0
34	B	40	0	56	3	0
34	J	34	0	38	2	0
34	L	89	0	96	4	0
34	M	24	0	21	2	0
34	O	40	0	56	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
34	Z	86	0	119	2	0
34	a	27	0	24	1	0
34	b	30	0	30	0	0
34	c	56	0	61	2	0
34	e	28	0	26	1	0
35	2	36	0	42	3	0
35	3	30	0	29	2	0
35	6	32	0	34	0	0
35	8	52	0	77	2	0
35	F	32	0	34	3	0
35	X	34	0	38	3	0
35	Z	48	0	69	1	0
36	3	72	0	72	3	0
36	7	36	0	36	2	0
36	9	30	0	24	1	0
36	B	33	0	30	1	0
36	O	29	0	22	0	0
36	a	42	0	48	3	0
37	4	40	0	0	1	0
37	7	40	0	0	1	0
37	A	160	0	0	0	0
37	B	320	0	0	3	0
37	F	40	0	0	1	0
37	I	40	0	0	0	0
37	J	40	0	0	0	0
37	K	40	0	0	0	0
37	L	40	0	0	0	0
37	M	40	0	0	1	0
37	R	40	0	0	0	0
37	Z	80	0	0	0	0
37	b	40	0	0	0	0
37	e	40	0	0	0	0
38	9	60	0	78	1	0
38	B	59	0	79	4	0
39	A	8	0	0	0	0
39	C	16	0	0	1	0
40	A	33	0	46	5	0
40	B	33	0	46	2	0
All	All	61306	0	55604	1221	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 10.

All (1221) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:A:393:HIS:HE1	29:A:826:CLA:ND	1.69	0.91
18:K:24:MET:HE1	18:K:70:HIS:HA	1.54	0.90
10:A:408:HIS:HE1	29:A:828:CLA:NA	1.72	0.86
29:A:819:CLA:NB	29:A:825:CLA:H122	1.90	0.85
11:B:374:HIS:HE1	29:B:827:CLA:ND	1.76	0.84
11:B:276:HIS:HE1	29:B:817:CLA:ND	1.75	0.82
27:e:41:GLN:N	27:e:41:GLN:HE21	1.80	0.80
11:B:257:PHE:HE2	11:B:493:TRP:CE3	2.01	0.79
11:B:476:VAL:HG12	11:B:477:LEU:HG	1.64	0.79
11:B:61:THR:HG23	11:B:142:LEU:HD13	1.65	0.78
11:B:326:ILE:HG12	11:B:332:PHE:CE2	2.20	0.77
29:A:843:CLA:H11	11:B:651:LEU:HB3	1.67	0.76
19:L:52:MET:HE1	29:c:607:CLA:H152	1.67	0.76
29:A:818:CLA:HBA2	18:K:63:LEU:HD23	1.68	0.76
7:7:138:HIS:HA	7:7:145:MET:HE1	1.65	0.75
2:2:82:ARG:NH1	2:2:85:GLU:OE1	2.20	0.74
13:D:99:HIS:HB3	13:D:100:PRO:HD3	1.69	0.74
8:8:159:GLN:NE2	29:8:304:CLA:OBD	2.21	0.73
5:5:105:ALA:HB1	5:5:125:MET:HE1	1.71	0.73
19:L:54:HIS:HA	19:L:57:PHE:CE2	2.24	0.73
10:A:524:MET:HE1	10:A:628:VAL:HG11	1.70	0.72
29:A:854:CLA:H43	29:A:854:CLA:H3A	1.70	0.72
7:7:147:GLY:HA3	34:7:320:LHG:HC41	1.71	0.72
28:X:161:ARG:HH12	35:X:302:LMG:HC3	1.54	0.72
22:R:74:VAL:O	22:R:128:GLN:NE2	2.20	0.72
11:B:106:LYS:HE2	11:B:115:ILE:CG1	2.20	0.72
11:B:106:LYS:HE2	11:B:115:ILE:HG12	1.71	0.71
11:B:542:ARG:NH2	13:D:128:ASN:OD1	2.21	0.71
4:4:206:MET:HE2	23:Z:158:LYS:HB3	1.71	0.71
5:5:156:PHE:HB2	34:5:621:LHG:H332	1.72	0.70
10:A:15:ILE:HG21	29:A:808:CLA:HAA2	1.72	0.70
5:5:88:ARG:NH1	5:5:91:GLU:OE1	2.24	0.70
13:D:88:ARG:HB2	13:D:98:LEU:HD11	1.72	0.70
10:A:369:HIS:HA	10:A:372:TYR:CE2	2.27	0.70
7:7:183:LYS:NZ	34:7:319:LHG:O5	2.25	0.70
24:a:151:THR:OG1	24:a:156:ARG:NE	2.24	0.70
25:b:125:THR:HG22	25:b:129:GLN:HE21	1.56	0.70
29:A:842:CLA:H111	29:A:842:CLA:HAB	1.74	0.69
1:1:190:LEU:HD23	29:1:609:CLA:HED2	1.73	0.69
21:O:69:LEU:HD21	24:d:148:LEU:HD23	1.73	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
9:9:60:PRO:HG2	9:9:74:ASP:HB3	1.74	0.68
24:d:146:VAL:HA	24:d:149:PHE:HD2	1.57	0.68
24:d:185:ARG:HA	24:d:188:MET:HE3	1.74	0.68
11:B:193:HIS:HE1	29:B:814:CLA:C1A	2.08	0.67
11:B:72:GLY:HA2	11:B:87:VAL:HG23	1.75	0.67
11:B:123:TRP:O	11:B:127:ILE:HG12	1.94	0.67
11:B:439:HIS:HE1	29:B:832:CLA:NA	1.91	0.67
11:B:350:GLN:HA	11:B:353:TYR:CE2	2.29	0.67
18:K:33:VAL:HG21	29:e:606:CLA:H2	1.76	0.67
25:b:177:ARG:NH2	30:b:609:KC2:O1A	2.27	0.67
24:d:68:LEU:HD11	29:d:602:CLA:H151	1.77	0.67
11:B:712:HIS:HE1	29:B:839:CLA:ND	1.92	0.67
10:A:374:MET:HG2	10:A:507:SER:HB3	1.77	0.66
6:6:71:VAL:HA	22:R:70:ILE:O	1.96	0.66
10:A:216:HIS:HE1	29:A:812:CLA:NA	1.91	0.66
28:X:132:LYS:HD3	28:X:133:PRO:HD2	1.75	0.66
10:A:94:HIS:HE1	29:A:805:CLA:NA	1.93	0.66
5:5:159:VAL:HG11	29:6:601:CLA:HAC1	1.78	0.66
10:A:458:HIS:HE1	29:A:832:CLA:NA	1.86	0.65
21:O:90:LEU:HD12	21:O:120:PRO:HB3	1.77	0.65
29:B:810:CLA:H41	19:L:80:PHE:HD2	1.61	0.65
29:2:603:CLA:HAC1	29:2:606:CLA:HAB	1.78	0.65
24:d:203:LYS:NZ	24:d:211:ASN:OD1	2.29	0.65
9:9:40:LEU:HB3	9:9:47:GLN:HE21	1.60	0.65
25:b:187:ARG:HA	25:b:190:MET:HE3	1.79	0.65
11:B:308:HIS:HE1	29:B:822:CLA:ND	1.95	0.65
29:B:839:CLA:H8	16:I:23:MET:HE1	1.78	0.65
18:K:85:LEU:HB3	29:e:611:CLA:H43	1.78	0.65
29:6:603:CLA:HAC1	29:6:606:CLA:HAB	1.79	0.64
29:A:826:CLA:H162	29:A:838:CLA:H43	1.77	0.64
27:e:100:PHE:HB2	27:e:101:ILE:HD12	1.79	0.64
28:X:110:ALA:HA	28:X:113:LEU:HD12	1.79	0.64
3:3:225:LEU:HD11	29:3:313:CLA:HAA1	1.79	0.64
29:A:841:CLA:HHC	29:A:841:CLA:HBB1	1.79	0.64
34:A:852:LHG:HC62	17:J:2:ASP:HB2	1.79	0.64
23:Z:117:LEU:HD21	29:a:607:CLA:H72	1.80	0.64
10:A:53:HIS:HE1	29:A:841:CLA:ND	1.94	0.64
10:A:393:HIS:HE1	29:A:826:CLA:C1D	2.10	0.64
26:c:206:GLY:O	26:c:210:MET:HG3	1.97	0.64
29:3:311:CLA:H72	24:a:68:LEU:HD22	1.80	0.63
14:E:4:ARG:NH1	14:E:25:ALA:O	2.31	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
24:a:97:SER:HA	24:a:117:MET:HE1	1.80	0.63
29:3:310:CLA:H52	29:9:308:CLA:H111	1.80	0.63
25:b:198:HIS:CD2	29:b:611:CLA:NA	2.66	0.63
5:5:96:ARG:HA	5:5:99:MET:HE3	1.81	0.63
12:C:63:LEU:HD12	12:C:66:ARG:HH11	1.63	0.63
10:A:75:SER:OG	10:A:181:TYR:HB2	1.99	0.62
10:A:363:LEU:HD11	29:A:817:CLA:H71	1.80	0.62
29:4:611:CLA:H2	29:F:202:CLA:H93	1.82	0.62
11:B:129:MET:HE1	29:B:814:CLA:HAA2	1.81	0.62
18:K:24:MET:CE	18:K:70:HIS:HA	2.26	0.62
8:8:197:MET:O	8:8:201:ILE:HD12	1.98	0.62
11:B:257:PHE:CE2	11:B:493:TRP:HB3	2.34	0.62
11:B:257:PHE:CE2	11:B:493:TRP:CE3	2.87	0.61
11:B:257:PHE:HD2	11:B:492:ILE:HG22	1.66	0.61
28:X:161:ARG:NH1	28:X:168:MET:O	2.33	0.61
29:2:606:CLA:HMD2	35:2:618:LMG:HC91	1.81	0.61
11:B:345:THR:HG23	11:B:379:ALA:HB2	1.82	0.61
24:d:167:GLY:HA2	24:d:170:LYS:HE2	1.81	0.61
27:e:199:HIS:O	27:e:203:PHE:N	2.33	0.61
29:B:806:CLA:H92	38:B:849:DGD:HBF2	1.81	0.61
3:3:115:PHE:HB3	3:3:118:ASP:HB2	1.83	0.61
23:Z:73:PRO:HB2	23:Z:80:ALA:HB2	1.81	0.61
29:e:602:CLA:H51	32:e:613:II3:C21	2.30	0.61
29:A:815:CLA:HBC1	29:A:816:CLA:H143	1.83	0.61
10:A:203:SER:HB3	29:A:818:CLA:HAC2	1.83	0.61
11:B:577:TYR:CE1	11:B:710:LEU:HB2	2.36	0.61
26:c:194:LEU:HD11	26:c:198:LYS:HE3	1.83	0.61
9:9:51:VAL:O	9:9:59:ARG:NH1	2.33	0.60
10:A:356:ASN:ND2	29:A:803:CLA:OBD	2.27	0.60
11:B:439:HIS:HE1	29:B:832:CLA:C1A	2.14	0.60
29:B:815:CLA:H2A	29:B:815:CLA:HED2	1.83	0.60
10:A:458:HIS:HE1	29:A:832:CLA:C1A	2.12	0.60
3:3:128:MET:HE1	29:3:305:CLA:H3A	1.81	0.60
6:6:196:HIS:CD2	29:6:612:CLA:NA	2.70	0.60
11:B:299:HIS:HB3	11:B:304:ILE:HD11	1.83	0.60
11:B:308:HIS:HE1	29:B:822:CLA:C4D	2.15	0.60
3:3:71:ILE:HD12	29:3:303:CLA:H2	1.82	0.60
29:3:302:CLA:HBD	35:3:319:LMG:HC71	1.84	0.60
16:I:30:ILE:HG13	16:I:31:GLU:HG2	1.83	0.60
27:e:79:GLU:OE1	27:e:156:GLY:N	2.28	0.60
7:7:142:GLY:O	7:7:144:ASN:ND2	2.35	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
26:c:201:ARG:HA	26:c:204:MET:HE3	1.83	0.60
29:c:603:CLA:HED2	29:c:607:CLA:H142	1.83	0.60
27:e:191:ILE:HD12	27:e:206:LEU:HD23	1.82	0.60
29:A:843:CLA:HAC2	29:A:854:CLA:HBC3	1.84	0.60
14:E:4:ARG:HH12	14:E:26:THR:HG22	1.67	0.60
9:9:46:LEU:HD13	29:9:310:CLA:HMA2	1.84	0.60
10:A:486:TRP:CE2	10:A:490:ILE:HD11	2.37	0.60
11:B:441:ASP:OD1	11:B:615:TYR:HB2	2.02	0.60
10:A:696:GLU:OE1	11:B:550:LYS:NZ	2.32	0.59
24:d:121:HIS:O	24:d:125:VAL:HG23	2.02	0.59
7:7:77:TRP:HH2	29:7:307:CLA:HAA2	1.66	0.59
10:A:53:HIS:HE1	29:A:841:CLA:C4D	2.15	0.59
11:B:276:HIS:HE1	29:B:817:CLA:C1D	2.15	0.59
4:4:161:ARG:HG3	4:4:164:LYS:HE2	1.84	0.59
11:B:690:LEU:HD11	19:L:36:ALA:HB1	1.85	0.59
24:d:146:VAL:HG12	27:e:47:LEU:HD22	1.85	0.59
29:A:819:CLA:HBA2	29:A:825:CLA:H142	1.84	0.59
6:6:90:LEU:HD13	29:6:604:CLA:H91	1.85	0.59
8:8:143:HIS:CD2	29:8:303:CLA:NB	2.72	0.58
10:A:349:TRP:HB3	29:A:803:CLA:HAC1	1.84	0.58
29:B:827:CLA:HBC3	38:B:849:DGD:HBV2	1.85	0.58
11:B:257:PHE:HE2	11:B:493:TRP:HE3	1.51	0.58
12:C:41:SER:HB2	13:D:116:VAL:H	1.69	0.58
7:7:77:TRP:CH2	29:7:307:CLA:HAA2	2.39	0.58
10:A:457:ILE:HG22	29:A:832:CLA:HBC2	1.85	0.58
23:Z:152:GLY:HA2	25:b:124:ALA:HB1	1.85	0.58
27:e:41:GLN:N	27:e:41:GLN:NE2	2.49	0.58
29:A:817:CLA:HAB	29:A:817:CLA:H8	1.85	0.58
11:B:193:HIS:HE1	29:B:814:CLA:NA	1.84	0.58
29:A:843:CLA:HBA2	11:B:655:LEU:HD13	1.85	0.58
6:6:175:ARG:NH1	6:6:179:ALA:HB2	2.19	0.57
29:A:821:CLA:HBB2	29:A:837:CLA:H171	1.84	0.57
29:A:840:CLA:H151	40:A:849:PQN:H241	1.86	0.57
11:B:129:MET:SD	11:B:134:ASP:HB3	2.44	0.57
26:c:133:GLU:OE1	26:c:143:HIS:ND1	2.32	0.57
29:A:819:CLA:HBC3	29:A:825:CLA:H202	1.86	0.57
11:B:374:HIS:HE1	29:B:827:CLA:C1D	2.17	0.57
3:3:133:ILE:HD13	34:4:618:LHG:H302	1.86	0.57
5:5:218:LEU:HD11	29:5:611:CLA:HED1	1.85	0.57
29:5:605:CLA:HED3	29:5:605:CLA:H2A	1.87	0.57
6:6:194:MET:HB3	6:6:205:PRO:HG3	1.87	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
29:8:307:CLA:HBB1	32:8:312:II3:C39	2.34	0.57
10:A:684:LEU:HB2	29:A:840:CLA:HMC2	1.84	0.57
29:A:829:CLA:HAB	29:A:837:CLA:HBB2	1.86	0.57
2:2:54:PRO:HG2	2:2:57:LEU:HD22	1.85	0.57
29:A:829:CLA:H43	34:A:851:LHG:H241	1.87	0.57
24:a:87:CYS:SG	24:a:188:MET:HE3	2.45	0.57
10:A:367:ILE:HD13	29:A:827:CLA:HMD3	1.87	0.57
29:A:829:CLA:HMA2	19:L:19:THR:HG21	1.86	0.57
16:I:12:PRO:O	16:I:16:LEU:N	2.38	0.57
11:B:87:VAL:HG12	11:B:115:ILE:HD13	1.87	0.56
13:D:85:LYS:HA	13:D:100:PRO:HG2	1.87	0.56
24:d:196:HIS:CD2	29:d:612:CLA:NA	2.73	0.56
9:9:85:ASN:HB3	9:9:162:MET:HE3	1.87	0.56
10:A:204:GLY:O	10:A:208:LEU:HB2	2.06	0.56
24:a:86:HIS:HB3	24:a:188:MET:HE2	1.87	0.56
26:c:170:ARG:NE	26:c:174:GLU:O	2.37	0.56
24:d:151:THR:OG1	24:d:156:ARG:NH1	2.36	0.56
7:7:80:GLU:OE1	7:7:158:GLY:N	2.38	0.56
34:7:320:LHG:HC91	36:B:850:SQD:H241	1.87	0.56
10:A:320:HIS:HB3	10:A:325:ILE:HD11	1.86	0.56
11:B:257:PHE:HD1	29:B:817:CLA:CMB	2.17	0.56
11:B:276:HIS:HB2	29:B:817:CLA:C1B	2.35	0.56
21:O:73:ILE:HD11	24:d:149:PHE:HZ	1.70	0.56
24:d:81:GLU:OE1	24:d:159:GLY:N	2.38	0.56
10:A:338:HIS:CD2	29:A:822:CLA:ND	2.72	0.56
26:c:148:TRP:HB3	34:c:623:LHG:H181	1.88	0.56
28:X:168:MET:HE3	28:X:184:ALA:HB2	1.88	0.56
10:A:296:HIS:HE1	29:A:815:CLA:C4D	2.18	0.56
24:a:81:GLU:OE1	24:a:159:GLY:N	2.37	0.56
24:a:196:HIS:CD2	29:a:612:CLA:NA	2.74	0.56
29:5:603:CLA:OBD	29:5:607:CLA:HAA1	2.06	0.56
36:7:321:SQD:H242	29:B:811:CLA:H2	1.86	0.56
29:4:601:CLA:CAD	34:4:617:LHG:HC61	2.35	0.56
11:B:22:TRP:CG	11:B:704:GLN:HE22	2.24	0.56
11:B:415:LYS:HB2	11:B:539:LEU:HD13	1.87	0.56
11:B:580:MET:HG3	11:B:710:LEU:HD21	1.87	0.56
15:F:174:ASP:OD2	15:F:176:SER:OG	2.20	0.56
24:a:152:LEU:HD13	36:a:618:SQD:H442	1.87	0.56
10:A:300:ALA:HA	29:A:815:CLA:HMC2	1.87	0.56
10:A:407:ALA:HB2	10:A:592:VAL:HG11	1.88	0.56
11:B:15:ASP:HB3	11:B:20:ARG:HB2	1.88	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:B:611:GLU:OE1	15:F:39:ARG:NH2	2.38	0.55
8:8:156:PHE:HB2	8:8:159:GLN:HB2	1.88	0.55
10:A:182:HIS:HE1	29:A:809:CLA:NA	2.01	0.55
29:A:821:CLA:C1B	29:O:204:CLA:H2	2.36	0.55
29:B:821:CLA:HBA1	29:B:822:CLA:H51	1.88	0.55
29:L:203:CLA:HMB1	34:L:207:LHG:HC61	1.88	0.55
26:c:44:SER:OG	26:c:65:GLY:O	2.23	0.55
5:5:64:PRO:HG2	5:5:67:MET:HE3	1.88	0.55
29:A:825:CLA:HMA3	29:A:833:CLA:H51	1.86	0.55
24:d:203:LYS:HB3	24:d:207:GLU:HG2	1.87	0.55
7:7:146:SER:OG	7:7:149:THR:OG1	2.23	0.55
10:A:444:ILE:HD11	29:A:836:CLA:HBB2	1.89	0.55
25:b:139:ALA:HA	25:b:146:LEU:HD21	1.88	0.55
25:b:180:LEU:HD23	29:b:608:CLA:HED2	1.88	0.55
22:R:98:ILE:HB	22:R:99:PRO:HD3	1.88	0.55
26:c:56:LEU:HD11	26:c:67:ASP:HB2	1.89	0.55
11:B:524:ALA:HB2	29:B:836:CLA:HMA1	1.88	0.55
29:4:606:CLA:HBA1	34:4:619:LHG:H121	1.89	0.55
6:6:68:LEU:HD13	29:6:602:CLA:H2	1.89	0.55
10:A:562:LEU:O	13:D:64:ARG:NH2	2.40	0.55
11:B:429:LEU:HD11	29:B:836:CLA:HMB2	1.89	0.55
24:a:124:LEU:HD13	29:a:604:CLA:HAA2	1.88	0.55
3:3:57:ASP:OD1	3:3:58:GLY:N	2.40	0.55
3:3:197:GLY:O	3:3:201:GLN:HG3	2.06	0.55
10:A:598:TRP:HE1	29:A:854:CLA:C1D	2.20	0.55
19:L:53:THR:HG23	29:L:201:CLA:HAB	1.88	0.55
10:A:204:GLY:HA3	29:A:811:CLA:HBB1	1.88	0.55
10:A:675:GLY:O	10:A:679:ILE:HG12	2.05	0.55
29:Z:305:CLA:H42	29:Z:305:CLA:H3A	1.89	0.55
29:8:304:CLA:HMA2	29:8:305:CLA:HBC1	1.88	0.54
15:F:27:LEU:HD22	15:F:86:GLY:HA2	1.88	0.54
34:3:321:LHG:H301	34:3:321:LHG:H181	1.89	0.54
22:R:128:GLN:NE2	22:R:133:LYS:HD2	2.22	0.54
6:6:190:GLY:O	6:6:194:MET:HG3	2.06	0.54
10:A:270:SER:OG	18:K:11:PRO:O	2.24	0.54
11:B:275:HIS:HE1	29:B:816:CLA:C4D	2.20	0.54
18:K:85:LEU:HD13	29:e:611:CLA:H12	1.89	0.54
26:c:216:LEU:HG	29:c:612:CLA:HED3	1.88	0.54
10:A:408:HIS:HE1	29:A:828:CLA:C4A	2.20	0.54
11:B:142:LEU:HD23	11:B:145:LEU:HD12	1.88	0.54
8:8:180:PHE:HZ	29:8:306:CLA:HAA1	1.72	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:B:712:HIS:HE1	29:B:839:CLA:C4D	2.19	0.54
6:6:79:GLU:OE1	6:6:157:GLY:N	2.38	0.54
6:6:149:THR:OG1	6:6:154:ARG:NH1	2.40	0.54
29:A:843:CLA:H191	29:B:809:CLA:H2	1.90	0.54
11:B:275:HIS:HB3	29:B:817:CLA:HMB2	1.90	0.54
29:c:615:CLA:H3A	29:d:612:CLA:H43	1.89	0.54
29:B:829:CLA:H202	29:B:839:CLA:H3A	1.88	0.54
1:1:215:LYS:NZ	1:1:218:LEU:O	2.30	0.54
2:2:123:VAL:HG22	29:2:606:CLA:C2D	2.38	0.54
10:A:501:ASN:HB2	29:A:834:CLA:HED2	1.89	0.54
29:A:804:CLA:H151	29:A:827:CLA:HBB2	1.90	0.54
11:B:183:PHE:HZ	29:B:824:CLA:H12	1.73	0.54
23:Z:135:ILE:HD11	25:b:203:THR:HG22	1.88	0.54
24:a:147:ALA:HB1	24:a:156:ARG:NH1	2.22	0.54
29:1:608:CLA:H72	31:1:614:II0:C29	2.38	0.53
7:7:146:SER:HG	7:7:149:THR:HG1	1.56	0.53
29:8:302:CLA:HBB1	35:8:314:LMG:H362	1.90	0.53
29:9:302:CLA:H2A	29:9:302:CLA:HED2	1.91	0.53
10:A:216:HIS:HE1	29:A:812:CLA:C1A	2.21	0.53
23:Z:177:PRO:HB2	24:a:134:LEU:HD23	1.90	0.53
24:a:190:GLY:O	24:a:194:MET:HG3	2.08	0.53
29:4:608:CLA:H152	29:Z:304:CLA:H41	1.90	0.53
5:5:127:GLY:O	5:5:131:ALA:N	2.32	0.53
10:A:584:CYS:HB2	11:B:667:TRP:HB3	1.90	0.53
21:O:71:LEU:HD13	21:O:136:MET:HE3	1.90	0.53
26:c:155:VAL:HG21	29:d:601:CLA:HBC2	1.90	0.53
11:B:211:ASN:OD1	11:B:215:THR:OG1	2.26	0.53
11:B:319:HIS:CD2	29:B:823:CLA:ND	2.77	0.53
24:a:160:ASP:OD2	24:a:162:LYS:NZ	2.32	0.53
26:c:227:GLY:O	26:c:230:ASN:ND2	2.41	0.53
12:C:62:PHE:HD2	13:D:123:ILE:HG21	1.72	0.53
29:3:310:CLA:H42	9:9:156:LEU:HD22	1.91	0.53
10:A:361:GLY:HA2	10:A:398:GLY:HA2	1.90	0.53
10:A:433:HIS:CE1	10:A:437:ILE:HD11	2.44	0.53
10:A:451:HIS:HE1	29:A:831:CLA:C1A	2.21	0.53
10:A:731:HIS:HE1	29:A:838:CLA:C4D	2.21	0.53
11:B:493:TRP:HH2	29:B:834:CLA:H2A	1.72	0.53
29:B:815:CLA:H3A	37:B:844:8CT:C28	2.39	0.53
26:c:121:LYS:O	26:c:124:SER:OG	2.25	0.53
29:c:603:CLA:OBD	29:c:607:CLA:HAA2	2.08	0.53
24:d:81:GLU:HG2	24:d:148:LEU:HD13	1.91	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1:152:PHE:HE1	2:2:69:PRO:HG2	1.73	0.53
4:4:184:MET:SD	29:4:602:CLA:HAB	2.49	0.53
6:6:87:LEU:HD12	29:6:607:CLA:HMD3	1.90	0.53
10:A:433:HIS:CD2	29:A:829:CLA:NA	2.76	0.53
12:C:61:ASP:OD2	14:E:15:SER:OG	2.23	0.53
2:2:123:VAL:HG22	29:2:606:CLA:C3D	2.39	0.53
3:3:71:ILE:CD1	29:3:303:CLA:H2	2.39	0.53
29:3:308:CLA:H13	29:3:313:CLA:HBB2	1.91	0.53
4:4:114:ASN:OD1	4:4:194:SER:OG	2.27	0.53
9:9:83:ASP:H	34:9:321:LHG:HC81	1.73	0.53
11:B:326:ILE:HD13	29:B:824:CLA:HMC2	1.90	0.53
29:B:810:CLA:HBA2	19:L:67:PRO:HG2	1.91	0.53
24:d:124:LEU:HD13	29:d:604:CLA:HAA2	1.91	0.53
29:3:311:CLA:HAC2	29:9:308:CLA:H101	1.92	0.52
34:4:620:LHG:H142	34:4:620:LHG:H321	1.89	0.52
7:7:41:ASN:HB3	7:7:50:ARG:H	1.72	0.52
23:Z:117:LEU:HD13	29:Z:305:CLA:HBB2	1.90	0.52
23:Z:146:SER:O	23:Z:158:LYS:HD2	2.09	0.52
27:e:175:GLY:O	27:e:179:MET:HG3	2.09	0.52
3:3:168:LEU:HB3	36:a:618:SQD:H241	1.90	0.52
29:A:803:CLA:H71	29:A:811:CLA:H12	1.89	0.52
11:B:407:VAL:O	11:B:411:MET:HG2	2.10	0.52
29:7:307:CLA:CGA	29:7:307:CLA:H3A	2.39	0.52
11:B:384:VAL:HG12	11:B:576:PHE:CE1	2.44	0.52
23:Z:203:HIS:NE2	23:Z:208:GLU:OE1	2.33	0.52
1:1:52:ALA:HB2	1:1:72:THR:HG22	1.91	0.52
2:2:54:PRO:HB2	2:2:57:LEU:HB2	1.90	0.52
29:7:312:CLA:OBD	28:X:176:LYS:NZ	2.37	0.52
10:A:77:HIS:CE1	29:A:803:CLA:ND	2.77	0.52
11:B:498:LEU:HA	11:B:501:ILE:HG22	1.92	0.52
23:Z:144:SER:OG	23:Z:163:GLU:OE1	2.20	0.52
28:X:116:LEU:HB2	28:X:143:TYR:CZ	2.44	0.52
1:1:129:LEU:O	1:1:133:ALA:N	2.40	0.52
3:3:94:ALA:HB3	3:3:195:LEU:HD12	1.91	0.52
40:B:842:PQN:H301	38:B:849:DGD:HA81	1.90	0.52
9:9:209:HIS:HE1	29:9:312:CLA:NB	2.06	0.52
13:D:53:MET:HB2	13:D:58:ASN:ND2	2.24	0.52
13:D:101:LYS:C	13:D:103:GLY:H	2.17	0.52
18:K:24:MET:HG2	29:K:102:CLA:C3D	2.40	0.52
29:d:603:CLA:HED2	29:d:607:CLA:H11	1.91	0.52
2:2:61:LEU:HD13	2:2:82:ARG:HE	1.75	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:3:226:GLY:O	34:3:301:LHG:O2	2.28	0.52
5:5:215:HIS:HE1	29:5:611:CLA:NB	2.08	0.52
29:5:604:CLA:C4A	29:5:604:CLA:HBA2	2.40	0.52
29:7:304:CLA:HBB2	37:7:318:8CT:C18	2.40	0.52
10:A:278:PHE:HE2	10:A:502:ALA:HB2	1.73	0.52
29:B:808:CLA:HAB	29:B:809:CLA:HBA1	1.91	0.52
2:2:169:ASP:HB3	2:2:172:THR:HB	1.91	0.52
11:B:127:ILE:HD12	11:B:190:TRP:CZ2	2.45	0.51
13:D:34:THR:HA	13:D:58:ASN:O	2.10	0.51
26:c:86:GLU:OE1	26:c:173:GLY:N	2.37	0.51
13:D:39:LYS:HE2	13:D:41:GLN:HE21	1.74	0.51
29:a:601:CLA:HBA1	34:a:617:LHG:HC91	1.92	0.51
1:1:113:THR:HG21	1:1:118:VAL:HG13	1.92	0.51
10:A:734:LEU:HD22	29:A:838:CLA:HMA1	1.93	0.51
29:L:201:CLA:HBC2	34:L:206:LHG:HC82	1.92	0.51
24:a:54:ALA:HB3	24:a:71:SER:HB2	1.92	0.51
6:6:41:SER:OG	6:6:62:GLY:O	2.28	0.51
29:A:819:CLA:C1B	29:A:825:CLA:H122	2.40	0.51
11:B:106:LYS:HE2	11:B:115:ILE:HG13	1.92	0.51
11:B:605:ASN:ND2	11:B:608:GLN:HB2	2.24	0.51
18:K:24:MET:HG2	29:K:102:CLA:CAD	2.41	0.51
26:c:57:ASP:OD1	26:c:58:GLY:N	2.43	0.51
29:8:308:CLA:H193	35:8:314:LMG:H371	1.91	0.51
10:A:367:ILE:HD12	29:A:827:CLA:HAC2	1.92	0.51
10:A:574:PRO:HB3	10:A:721:ILE:HB	1.91	0.51
19:L:138:ILE:HG13	29:L:203:CLA:HED3	1.92	0.51
24:a:200:ILE:HG12	29:a:612:CLA:HED2	1.93	0.51
2:2:143:VAL:HG22	29:2:607:CLA:HMA1	1.92	0.51
7:7:174:ARG:NH2	29:7:308:CLA:O1D	2.41	0.51
11:B:340:SER:O	11:B:344:ILE:HG12	2.11	0.51
11:B:624:LEU:HD22	29:B:803:CLA:HMD2	1.92	0.51
6:6:178:LEU:HD23	29:6:609:CLA:HED2	1.92	0.51
29:A:818:CLA:H3A	18:K:63:LEU:HD23	1.92	0.51
29:B:823:CLA:HHB	29:B:840:CLA:O1D	2.10	0.51
10:A:201:HIS:CD2	29:A:811:CLA:NB	2.78	0.51
11:B:48:ALA:HB3	20:M:28:LEU:HD21	1.93	0.51
29:B:819:CLA:HBA2	29:B:824:CLA:H142	1.91	0.51
13:D:34:THR:O	13:D:84:TYR:HA	2.10	0.51
11:B:631:LEU:HD13	11:B:727:ALA:HB3	1.92	0.51
15:F:150:SER:O	15:F:154:THR:HG23	2.11	0.51
19:L:137:LEU:HB3	29:L:203:CLA:HED1	1.92	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
19:L:140:ASN:HB3	29:c:606:CLA:HAA2	1.93	0.51
2:2:98:GLY:O	2:2:102:GLN:HG3	2.11	0.50
29:2:605:CLA:HBA1	3:3:219:VAL:HG22	1.92	0.50
4:4:161:ARG:CZ	5:5:60:PRO:HG3	2.41	0.50
11:B:197:ILE:HD11	29:B:814:CLA:HMD2	1.91	0.50
24:d:43:SER:OG	24:d:64:GLY:O	2.23	0.50
3:3:91:CYS:SG	3:3:195:LEU:HD13	2.51	0.50
9:9:103:ALA:HB1	29:9:305:CLA:HBC2	1.92	0.50
11:B:39:GLU:HB3	11:B:165:LEU:HD11	1.93	0.50
11:B:178:HIS:CD2	29:B:813:CLA:NB	2.79	0.50
11:B:547:MET:HE3	11:B:550:LYS:HA	1.93	0.50
12:C:63:LEU:HD12	12:C:66:ARG:NH1	2.25	0.50
4:4:197:THR:HG21	4:4:204:GLN:HG3	1.92	0.50
10:A:43:PRO:HB3	10:A:48:TRP:CE3	2.46	0.50
27:e:176:ARG:HA	27:e:179:MET:HE3	1.94	0.50
1:1:208:HIS:CD2	29:1:612:CLA:NA	2.80	0.50
5:5:67:MET:HG2	5:5:88:ARG:HH21	1.77	0.50
10:A:534:MET:O	10:A:538:ILE:HG12	2.11	0.50
29:A:853:CLA:HBD	29:A:853:CLA:HBA1	1.93	0.50
11:B:338:LEU:HD21	29:B:829:CLA:HAB	1.93	0.50
12:C:61:ASP:HB2	14:E:51:ASN:ND2	2.27	0.50
34:5:621:LHG:HC31	29:6:609:CLA:C1B	2.42	0.50
9:9:190:ILE:HG23	29:9:310:CLA:HED3	1.94	0.50
10:A:705:HIS:HE1	29:A:842:CLA:ND	2.07	0.50
7:7:197:HIS:CD2	29:7:312:CLA:NA	2.79	0.50
11:B:95:HIS:HE1	29:B:810:CLA:NB	2.05	0.50
11:B:631:LEU:HD22	11:B:724:PHE:HA	1.92	0.50
12:C:26:LEU:HA	12:C:41:SER:O	2.12	0.50
10:A:17:VAL:HG21	29:A:808:CLA:HED3	1.93	0.50
10:A:370:HIS:CD2	29:A:825:CLA:NC	2.80	0.50
10:A:596:LEU:HD21	29:A:828:CLA:HBC1	1.94	0.50
11:B:388:ALA:HB2	11:B:576:PHE:CD1	2.46	0.50
29:B:822:CLA:HHC	29:B:840:CLA:HED1	1.94	0.50
29:L:201:CLA:CHC	29:L:202:CLA:HED1	2.42	0.50
22:R:95:GLY:HA2	22:R:98:ILE:HG12	1.94	0.50
7:7:100:GLU:HG3	7:7:205:GLY:HA3	1.94	0.50
13:D:12:PRO:HB3	13:D:53:MET:HA	1.94	0.50
15:F:107:ILE:HD12	34:J:101:LHG:H102	1.93	0.50
24:a:121:HIS:O	24:a:125:VAL:HG23	2.12	0.50
28:X:119:GLU:HG2	28:X:139:TYR:CZ	2.47	0.50
2:2:119:HIS:O	2:2:123:VAL:HG23	2.12	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
5:5:198:GLU:HB2	29:5:608:CLA:C1B	2.41	0.49
9:9:185:PHE:HE1	29:9:309:CLA:HAA2	1.77	0.49
10:A:36:SER:HB3	10:A:39:LEU:HB2	1.94	0.49
10:A:162:CYS:SG	29:A:812:CLA:HAA2	2.52	0.49
11:B:652:PHE:CZ	11:B:656:ILE:HD11	2.47	0.49
15:F:102:SER:HB2	17:J:42:MET:HE1	1.94	0.49
34:4:618:LHG:H132	34:4:618:LHG:H292	1.94	0.49
9:9:208:HIS:CD2	29:9:313:CLA:NA	2.80	0.49
29:A:809:CLA:CHA	29:A:809:CLA:HBA1	2.42	0.49
23:Z:114:ALA:HB1	36:a:618:SQD:H121	1.94	0.49
5:5:47:GLN:HA	5:5:51:LEU:HD22	1.94	0.49
11:B:418:ILE:HG23	29:B:837:CLA:HBB2	1.94	0.49
20:M:22:ILE:HG22	34:M:102:LHG:HC62	1.94	0.49
34:1:619:LHG:HC61	34:1:619:LHG:HC91	1.93	0.49
29:A:854:CLA:HMC2	11:B:661:PHE:CB	2.42	0.49
11:B:577:TYR:HE1	11:B:710:LEU:HB2	1.76	0.49
18:K:26:ILE:HG13	29:e:611:CLA:H143	1.95	0.49
22:R:92:ALA:O	22:R:96:GLN:HG2	2.12	0.49
23:Z:186:ILE:HD12	23:Z:186:ILE:H	1.76	0.49
26:c:213:HIS:CD2	30:c:611:KC2:ND	2.79	0.49
29:2:605:CLA:C4B	29:3:312:CLA:H2	2.41	0.49
9:9:151:GLU:HG3	29:9:308:CLA:C4B	2.42	0.49
29:9:310:CLA:O2D	29:9:310:CLA:H2A	2.13	0.49
26:c:228:ILE:HB	26:c:229:PRO:HD3	1.93	0.49
28:X:181:ASP:OD1	28:X:181:ASP:N	2.45	0.49
10:A:94:HIS:HE1	29:A:805:CLA:C1A	2.26	0.49
11:B:320:LYS:HD2	22:R:57:TYR:CD1	2.47	0.49
3:3:64:VAL:HB	29:3:302:CLA:HED3	1.94	0.49
7:7:186:ARG:HA	7:7:189:MET:HE3	1.92	0.49
8:8:159:GLN:HG2	8:8:160:ASP:O	2.13	0.49
10:A:87:TRP:O	10:A:91:MET:HG2	2.12	0.49
10:A:119:TRP:CH2	29:A:853:CLA:HBC1	2.48	0.49
11:B:257:PHE:CE2	11:B:493:TRP:HE3	2.28	0.49
11:B:493:TRP:CH2	29:B:834:CLA:H2A	2.47	0.49
11:B:582:TRP:CZ2	29:B:802:CLA:HAB	2.47	0.49
28:X:109:ALA:HB3	28:X:151:LEU:HD13	1.95	0.49
5:5:203:ARG:HA	5:5:206:MET:HE3	1.93	0.49
29:9:302:CLA:C4D	29:9:310:CLA:HBB1	2.42	0.49
10:A:320:HIS:HE1	29:A:820:CLA:C4A	2.25	0.49
11:B:277:HIS:HE1	29:B:818:CLA:NA	2.10	0.49
11:B:351:HIS:CD2	29:B:826:CLA:NC	2.81	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
29:d:608:CLA:H62	29:d:608:CLA:H41	1.59	0.49
10:A:216:HIS:HB2	29:A:812:CLA:CHC	2.43	0.49
26:c:97:LEU:HB3	29:c:604:CLA:CBB	2.43	0.49
7:7:101:PHE:HE2	7:7:207:LEU:HD12	1.78	0.48
8:8:54:MET:O	8:8:54:MET:HG2	2.12	0.48
29:8:317:CLA:HAB	29:B:810:CLA:H102	1.94	0.48
29:A:835:CLA:H3A	29:A:836:CLA:HAA2	1.95	0.48
15:F:35:ASP:OD1	15:F:38:ARG:NH2	2.42	0.48
21:O:105:GLY:O	21:O:109:GLN:HG2	2.13	0.48
23:Z:125:GLN:OE1	24:a:135:PHE:HA	2.13	0.48
2:2:56:ASN:ND2	2:2:73:SER:O	2.39	0.48
9:9:128:PHE:O	9:9:132:ASN:ND2	2.46	0.48
24:a:43:SER:OG	24:a:64:GLY:O	2.29	0.48
28:X:219:ALA:O	28:X:223:VAL:HG23	2.12	0.48
7:7:85:HIS:HE1	29:7:304:CLA:C4D	2.26	0.48
11:B:180:SER:HB3	29:B:820:CLA:HAC2	1.95	0.48
29:B:832:CLA:H62	29:B:832:CLA:H41	1.55	0.48
22:R:64:SER:O	22:R:65:SER:HB2	2.13	0.48
28:X:168:MET:HE1	28:X:180:SER:HB3	1.95	0.48
2:2:196:HIS:CD2	29:2:612:CLA:NA	2.81	0.48
6:6:40:MET:HG3	6:6:49:ARG:HB2	1.95	0.48
10:A:537:HIS:HE1	29:A:836:CLA:ND	2.11	0.48
29:A:824:CLA:H11	29:A:835:CLA:HMA3	1.94	0.48
11:B:350:GLN:HA	11:B:353:TYR:HE2	1.76	0.48
13:D:98:LEU:O	13:D:99:HIS:C	2.56	0.48
24:d:136:TRP:HB2	29:d:605:CLA:HBC2	1.95	0.48
27:e:114:ASP:O	27:e:118:THR:HG23	2.13	0.48
29:5:603:CLA:HAC1	29:5:606:CLA:HAB	1.95	0.48
10:A:691:ARG:H	11:B:568:CYS:HB2	1.77	0.48
29:A:803:CLA:HBA1	29:A:803:CLA:H3A	1.60	0.48
29:A:842:CLA:HBD	29:A:842:CLA:HBA1	1.94	0.48
11:B:658:ALA:O	11:B:661:PHE:HB2	2.13	0.48
19:L:152:ILE:HD13	21:O:112:PRO:HB2	1.96	0.48
25:b:175:LEU:O	25:b:179:GLN:HG3	2.14	0.48
4:4:181:ARG:HA	4:4:184:MET:HE3	1.95	0.48
7:7:176:ARG:NH1	30:7:310:KC2:O1A	2.46	0.48
11:B:193:HIS:HB2	29:B:814:CLA:CHC	2.44	0.48
26:c:43:LYS:HB2	26:c:52:LYS:H	1.79	0.48
29:3:308:CLA:H41	29:F:201:CLA:HED1	1.95	0.48
8:8:162:LEU:HB2	29:8:304:CLA:HMD3	1.95	0.48
29:8:308:CLA:HAC2	29:8:317:CLA:HBC2	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
21:O:71:LEU:HG	29:d:607:CLA:H2	1.95	0.48
25:b:91:CYS:SG	25:b:190:MET:HA	2.53	0.48
29:1:603:CLA:HAC1	29:1:606:CLA:HAB	1.95	0.48
8:8:165:GLU:OE2	19:L:114:ARG:NH2	2.47	0.48
29:9:307:CLA:H41	29:9:307:CLA:H62	1.45	0.48
10:A:217:GLN:HA	10:A:221:SER:HB2	1.96	0.48
10:A:719:LEU:HD21	40:A:849:PQN:H151	1.95	0.48
21:O:111:PHE:HE1	29:O:202:CLA:HBB1	1.78	0.48
1:1:138:THR:HG23	29:1:605:CLA:HMD3	1.95	0.48
5:5:146:MET:HE1	29:5:604:CLA:H3A	1.95	0.48
29:9:304:CLA:HED3	29:9:304:CLA:H2A	1.96	0.48
10:A:685:MET:HB2	29:A:840:CLA:C1C	2.44	0.48
10:A:705:HIS:HE1	29:A:842:CLA:C4D	2.27	0.48
13:D:85:LYS:HB3	13:D:97:TYR:HE1	1.77	0.48
29:c:608:CLA:H72	31:c:616:II0:C29	2.43	0.48
5:5:42:GLU:HB3	5:5:46:VAL:HG22	1.94	0.48
10:A:219:HIS:HE1	29:A:813:CLA:C4D	2.27	0.48
10:A:296:HIS:HE1	29:A:815:CLA:ND	2.11	0.48
29:A:804:CLA:H92	29:A:828:CLA:H101	1.95	0.48
24:d:194:MET:HG2	24:d:205:PRO:HB3	1.96	0.48
2:2:110:PHE:CE1	2:2:122:PHE:HE1	2.32	0.47
29:4:603:CLA:H41	29:4:603:CLA:H61	1.48	0.47
10:A:329:HIS:HE1	29:A:821:CLA:C4D	2.28	0.47
29:A:843:CLA:HBA2	11:B:655:LEU:HB2	1.96	0.47
34:A:851:LHG:HC31	29:O:201:CLA:C1C	2.44	0.47
11:B:5:PHE:CD1	16:I:30:ILE:HG22	2.48	0.47
11:B:576:PHE:CE1	29:B:829:CLA:HAC2	2.49	0.47
29:B:814:CLA:H3A	29:B:814:CLA:HBA2	1.63	0.47
12:C:61:ASP:HB2	14:E:51:ASN:CG	2.39	0.47
2:2:185:ARG:HA	2:2:188:MET:HE3	1.96	0.47
6:6:85:CYS:HB3	6:6:184:GLY:HA3	1.95	0.47
29:A:833:CLA:H151	29:A:833:CLA:H111	1.58	0.47
11:B:608:GLN:HE21	11:B:622:ASP:HB3	1.77	0.47
29:B:806:CLA:H152	29:B:806:CLA:H112	1.65	0.47
29:B:831:CLA:H2	37:F:203:8CT:C14	2.43	0.47
25:b:79:TRP:HH2	29:b:606:CLA:HAA2	1.79	0.47
27:e:44:VAL:HG11	27:e:47:LEU:HD12	1.95	0.47
34:4:619:LHG:HC2	11:B:311:PRO:HG2	1.96	0.47
29:A:830:CLA:H2	29:L:202:CLA:H43	1.96	0.47
34:B:801:LHG:H312	29:B:820:CLA:HBB1	1.96	0.47
29:B:810:CLA:H101	37:B:852:8CT:C32	2.44	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
24:d:95:ALA:HB1	29:d:608:CLA:H161	1.95	0.47
28:X:116:LEU:HD22	28:X:143:TYR:CE1	2.49	0.47
30:3:307:KC2:O2D	34:J:101:LHG:O1	2.32	0.47
10:A:692:GLY:N	11:B:568:CYS:O	2.43	0.47
29:B:810:CLA:HAB	16:I:15:GLY:HA3	1.97	0.47
15:F:148:ALA:O	15:F:152:VAL:HG23	2.14	0.47
27:e:83:LYS:HD2	29:e:606:CLA:C3D	2.45	0.47
29:e:602:CLA:H3A	29:e:602:CLA:HBA2	1.51	0.47
3:3:89:ARG:HA	3:3:92:MET:HE3	1.97	0.47
5:5:125:MET:HE2	5:5:223:PRO:HD3	1.95	0.47
5:5:214:HIS:CD2	29:5:612:CLA:NA	2.82	0.47
10:A:553:GLY:HA3	10:A:591:SER:OG	2.14	0.47
29:A:840:CLA:H18	40:A:849:PQN:H262	1.95	0.47
11:B:474:PHE:HB3	11:B:476:VAL:HG23	1.97	0.47
29:B:829:CLA:H91	29:B:829:CLA:H111	1.70	0.47
29:c:612:CLA:H51	31:c:621:II0:C34	2.45	0.47
24:d:112:THR:HG22	24:d:115:ALA:H	1.78	0.47
27:e:44:VAL:HG12	27:e:46:PHE:O	2.14	0.47
3:3:177:ARG:O	3:3:181:GLU:HG3	2.15	0.47
29:4:608:CLA:HAB	30:Z:306:KC2:CBC	2.45	0.47
10:A:119:TRP:CZ2	29:A:853:CLA:HBC1	2.49	0.47
10:A:384:TYR:HB3	10:A:748:ILE:HD11	1.97	0.47
11:B:174:ARG:HD2	29:B:824:CLA:OBD	2.14	0.47
23:Z:123:LEU:O	23:Z:126:PRO:HD2	2.14	0.47
24:d:145:THR:HG22	24:d:149:PHE:CE2	2.50	0.47
3:3:200:HIS:HA	3:3:203:ILE:HD12	1.95	0.47
29:4:611:CLA:H61	29:4:611:CLA:H93	1.77	0.47
5:5:214:HIS:HA	5:5:217:LEU:HD12	1.97	0.47
29:6:602:CLA:H91	29:6:602:CLA:H112	1.63	0.47
9:9:99:MET:SD	29:9:309:CLA:HAB	2.54	0.47
10:A:524:MET:HE3	10:A:618:VAL:O	2.14	0.47
29:A:838:CLA:H91	17:J:20:LEU:HD12	1.97	0.47
11:B:69:ALA:HB2	11:B:135:LEU:HB2	1.95	0.47
11:B:276:HIS:HB2	29:B:817:CLA:CHB	2.45	0.47
29:B:814:CLA:H41	29:B:814:CLA:H61	1.59	0.47
13:D:105:PHE:HB3	13:D:107:GLU:OE1	2.15	0.47
15:F:152:VAL:HG13	29:F:201:CLA:OBD	2.14	0.47
35:F:204:LMG:H301	17:J:9:LEU:HB3	1.97	0.47
19:L:137:LEU:HD11	29:c:606:CLA:H42	1.96	0.47
23:Z:180:PHE:CD2	23:Z:186:ILE:HD11	2.49	0.47
4:4:74:TYR:HB2	4:4:79:LEU:HD11	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:6:44:VAL:HG11	6:6:47:LEU:HD12	1.97	0.47
11:B:275:HIS:HE1	29:B:816:CLA:ND	2.12	0.47
29:B:823:CLA:H143	29:B:823:CLA:H112	1.72	0.47
22:R:115:LEU:HB3	22:R:116:PRO:HD3	1.97	0.47
23:Z:136:ASP:OD2	25:b:204:LYS:HG3	2.15	0.47
24:a:99:ALA:HA	24:a:102:ILE:HG12	1.96	0.47
29:a:602:CLA:HBA2	29:a:602:CLA:H3A	1.32	0.47
25:b:109:PHE:CE1	25:b:122:VAL:HG23	2.50	0.47
6:6:182:LYS:NZ	29:6:609:CLA:O1D	2.43	0.47
29:A:806:CLA:CHC	29:A:807:CLA:HMD2	2.45	0.47
29:A:816:CLA:H91	29:A:816:CLA:H111	1.64	0.47
11:B:442:VAL:HG21	29:B:832:CLA:HAC2	1.96	0.47
29:a:605:CLA:H72	29:b:610:CLA:HBA1	1.95	0.47
25:b:46:ALA:HB2	25:b:64:ILE:HD12	1.96	0.47
28:X:179:ASN:HB3	28:X:182:LYS:HB2	1.96	0.47
1:1:152:PHE:CE1	2:2:69:PRO:HG2	2.50	0.47
29:5:602:CLA:H2	31:5:615:II0:C18	2.45	0.47
13:D:39:LYS:CE	13:D:41:GLN:HE21	2.28	0.47
18:K:36:ARG:HE	18:K:53:SER:HB3	1.80	0.47
19:L:104:ASP:OD1	19:L:105:ASP:N	2.48	0.47
29:O:201:CLA:H41	29:O:201:CLA:H61	1.54	0.47
27:e:58:GLN:NE2	27:e:82:ILE:HD11	2.30	0.47
1:1:116:GLY:HA2	1:1:119:GLU:OE2	2.15	0.46
29:3:310:CLA:C1B	35:3:319:LMG:HC5	2.45	0.46
5:5:106:ILE:O	5:5:110:ILE:HG12	2.15	0.46
29:5:607:CLA:H3A	29:5:607:CLA:HBA2	1.58	0.46
8:8:89:PHE:HZ	29:8:303:CLA:H162	1.80	0.46
29:A:831:CLA:HBB2	19:L:65:LEU:HD13	1.97	0.46
29:1:601:CLA:HBA1	29:1:601:CLA:HBD	1.97	0.46
4:4:211:TYR:OH	29:Z:303:CLA:OBD	2.32	0.46
29:9:308:CLA:H141	29:9:308:CLA:H162	1.69	0.46
29:A:806:CLA:H93	29:A:806:CLA:H112	1.73	0.46
11:B:326:ILE:HG12	11:B:332:PHE:CD2	2.51	0.46
11:B:344:ILE:O	11:B:348:VAL:HG23	2.14	0.46
13:D:25:ALA:HA	13:D:29:GLU:O	2.15	0.46
22:R:116:PRO:HG3	31:R:204:II0:C22	2.45	0.46
24:a:55:LEU:HD21	29:a:602:CLA:HAA2	1.97	0.46
27:e:106:TYR:HB3	27:e:119:VAL:HG12	1.97	0.46
29:3:308:CLA:H91	29:3:308:CLA:H112	1.66	0.46
34:4:617:LHG:H341	29:Z:305:CLA:HED1	1.96	0.46
7:7:109:THR:HG22	7:7:121:VAL:HG12	1.98	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
9:9:81:TRP:HB2	36:9:301:SQD:H5	1.98	0.46
9:9:97:ILE:HD12	29:9:308:CLA:HMD3	1.97	0.46
10:A:32:PRO:HB3	29:A:841:CLA:HAC1	1.97	0.46
10:A:369:HIS:HA	10:A:372:TYR:HE2	1.78	0.46
29:B:803:CLA:H72	29:B:803:CLA:H112	1.57	0.46
23:Z:96:ALA:O	23:Z:105:ARG:NH2	2.45	0.46
24:a:45:SER:HB3	24:a:63:ILE:HD12	1.98	0.46
25:b:82:GLU:HB2	25:b:152:PHE:HZ	1.79	0.46
26:c:175:PHE:HA	24:d:48:PHE:HB3	1.98	0.46
1:1:110:ASP:HB3	1:1:218:LEU:HD12	1.98	0.46
7:7:191:GLY:O	7:7:195:MET:HG3	2.16	0.46
9:9:200:MET:SD	29:9:303:CLA:HAB	2.55	0.46
10:A:407:ALA:HA	10:A:592:VAL:HG21	1.97	0.46
29:A:814:CLA:HBB1	29:A:814:CLA:HMB3	1.96	0.46
29:B:825:CLA:H3A	29:B:837:CLA:O1A	2.15	0.46
29:3:304:CLA:H91	29:3:304:CLA:H112	1.67	0.46
34:8:316:LHG:H191	34:8:316:LHG:H162	1.73	0.46
29:9:303:CLA:H2A	29:9:303:CLA:HED2	1.96	0.46
11:B:406:ASN:O	11:B:410:ARG:HG2	2.16	0.46
29:4:609:CLA:H43	29:4:609:CLA:HED3	1.97	0.46
6:6:54:ASP:OD1	6:6:54:ASP:N	2.47	0.46
9:9:68:VAL:HG11	9:9:189:GLN:HB3	1.97	0.46
10:A:731:HIS:HE1	29:A:838:CLA:ND	2.13	0.46
11:B:167:TRP:CZ2	29:B:811:CLA:HHB	2.50	0.46
29:B:804:CLA:H2A	29:B:804:CLA:HED2	1.97	0.46
29:B:824:CLA:H141	29:B:824:CLA:H162	1.59	0.46
2:2:132:ILE:HG13	35:2:618:LMG:O10	2.16	0.46
6:6:169:ASN:HB3	6:6:172:ALA:HB3	1.97	0.46
29:A:838:CLA:H161	17:J:24:ALA:HB2	1.98	0.46
29:B:817:CLA:HBA2	29:B:826:CLA:HBB2	1.97	0.46
29:e:611:CLA:H61	29:e:611:CLA:H41	1.71	0.46
3:3:139:GLU:HG3	29:3:308:CLA:C1B	2.46	0.46
29:9:304:CLA:HMC3	29:9:307:CLA:HBB2	1.98	0.46
10:A:274:ASP:OD1	10:A:274:ASP:N	2.49	0.46
10:A:396:TRP:HB3	29:A:826:CLA:HMC3	1.98	0.46
1:1:114:PHE:N	29:1:604:CLA:OBD	2.38	0.46
1:1:127:THR:O	1:1:130:HIS:HB3	2.16	0.46
29:1:603:CLA:HBB1	29:1:603:CLA:HMB1	1.98	0.46
10:A:80:GLN:HE21	10:A:84:ILE:HG13	1.79	0.46
10:A:359:MET:HE2	10:A:359:MET:HA	1.97	0.46
29:B:810:CLA:H8	19:L:80:PHE:CE2	2.50	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
26:c:204:MET:SD	29:c:602:CLA:HAB	2.55	0.46
29:c:602:CLA:H92	29:c:602:CLA:H61	1.68	0.46
29:4:608:CLA:H202	29:b:611:CLA:H71	1.98	0.46
7:7:138:HIS:HA	7:7:145:MET:CE	2.41	0.46
10:A:497:ASN:HA	21:O:89:PRO:HD2	1.98	0.46
19:L:109:SER:O	19:L:115:GLY:HA3	2.16	0.46
25:b:171:ASP:HB3	25:b:174:ALA:HB3	1.98	0.46
29:b:606:CLA:H192	29:b:606:CLA:H161	1.79	0.46
2:2:93:MET:HE2	2:2:184:ALA:HB2	1.97	0.45
5:5:129:HIS:CD2	29:5:606:CLA:NC	2.84	0.45
34:5:621:LHG:HC62	29:6:601:CLA:HBD	1.98	0.45
38:9:322:DGD:HG12	29:Z:302:CLA:C3D	2.46	0.45
10:A:20:ASP:N	10:A:21:PRO:HD3	2.31	0.45
10:A:392:THR:CG2	29:A:826:CLA:HMB2	2.45	0.45
10:A:536:HIS:CG	29:A:836:CLA:HED3	2.51	0.45
29:B:816:CLA:CHD	29:B:817:CLA:HBB2	2.46	0.45
25:b:89:ARG:HA	25:b:92:MET:HE3	1.98	0.45
28:X:148:LEU:HB3	28:X:201:ILE:HD13	1.98	0.45
29:8:307:CLA:HBB1	32:8:312:II3:C35	2.45	0.45
10:A:80:GLN:HE22	29:A:804:CLA:C4C	2.29	0.45
10:A:116:GLN:HB3	10:A:138:VAL:HB	1.98	0.45
10:A:491:HIS:HE1	29:A:833:CLA:NB	2.10	0.45
10:A:699:GLU:CD	11:B:545:LYS:HB2	2.41	0.45
29:A:839:CLA:H141	19:L:85:LEU:HD11	1.98	0.45
11:B:696:LYS:NZ	13:D:28:GLU:OE2	2.47	0.45
29:L:203:CLA:HMB3	34:L:207:LHG:HC82	1.99	0.45
21:O:78:TRP:CZ2	21:O:131:GLY:HA3	2.52	0.45
24:a:156:ARG:HD2	24:a:157:ALA:O	2.16	0.45
25:b:142:ASN:OD1	25:b:156:ARG:NH2	2.49	0.45
24:d:116:LYS:HE3	24:d:207:GLU:OE1	2.16	0.45
29:d:602:CLA:CHB	29:d:602:CLA:H11	2.46	0.45
29:2:608:CLA:H72	31:2:613:II0:C29	2.46	0.45
3:3:194:GLY:O	3:3:198:MET:HG3	2.16	0.45
5:5:48:GLY:N	5:5:70:TYR:O	2.36	0.45
29:8:302:CLA:H102	29:8:302:CLA:H62	1.70	0.45
29:A:820:CLA:C4A	29:A:820:CLA:HBA1	2.47	0.45
11:B:174:ARG:HB2	29:B:813:CLA:HBC2	1.98	0.45
11:B:395:VAL:O	13:D:129:PRO:HG2	2.16	0.45
29:B:838:CLA:HBB2	40:B:842:PQN:H141	1.98	0.45
29:4:601:CLA:HBA2	34:4:617:LHG:H242	1.99	0.45
5:5:141:PRO:O	5:5:144:ASN:ND2	2.48	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:B:680:TRP:CE2	11:B:684:ARG:HG3	2.51	0.45
29:a:603:CLA:HBA1	29:a:603:CLA:H3A	1.56	0.45
29:3:310:CLA:H172	29:a:612:CLA:H172	1.98	0.45
29:6:606:CLA:H8	29:6:606:CLA:H51	1.78	0.45
9:9:173:PHE:O	29:a:601:CLA:HAB	2.16	0.45
11:B:156:HIS:HE1	29:B:811:CLA:C1A	2.30	0.45
18:K:28:ASN:ND2	29:K:102:CLA:O1A	2.50	0.45
22:R:94:THR:HG22	22:R:98:ILE:HD11	1.98	0.45
29:a:606:CLA:H202	29:a:606:CLA:H161	1.80	0.45
24:d:188:MET:SD	29:d:602:CLA:HAB	2.57	0.45
29:6:608:CLA:H72	31:6:614:II0:C29	2.47	0.45
9:9:60:PRO:HD2	9:9:63:LEU:HD12	1.98	0.45
29:A:815:CLA:C1D	29:A:816:CLA:HBB2	2.46	0.45
29:A:817:CLA:H3A	29:A:817:CLA:HBA2	1.66	0.45
11:B:528:HIS:CD2	29:B:837:CLA:NB	2.84	0.45
11:B:583:MET:O	11:B:587:ILE:HG12	2.17	0.45
11:B:585:ASN:HB2	29:B:802:CLA:HBC2	1.99	0.45
29:B:837:CLA:HBA2	29:B:840:CLA:H202	1.99	0.45
15:F:30:CYS:HB3	15:F:85:CYS:HB2	1.37	0.45
34:Z:309:LHG:H151	34:Z:309:LHG:H122	1.72	0.45
29:4:610:CLA:H42	34:4:618:LHG:HC91	1.99	0.45
5:5:146:MET:CE	29:5:604:CLA:H3A	2.46	0.45
10:A:241:HIS:O	10:A:245:VAL:HG22	2.17	0.45
3:3:214:LEU:HG	29:Z:302:CLA:HAA2	1.99	0.45
29:7:308:CLA:HBA2	29:7:308:CLA:H3A	1.45	0.45
10:A:146:GLN:HB3	10:A:377:TYR:HB3	1.99	0.45
29:A:843:CLA:HBB1	29:A:843:CLA:HMB1	1.99	0.45
11:B:185:PHE:HE2	29:B:828:CLA:H202	1.81	0.45
11:B:299:HIS:HE1	29:B:821:CLA:C4A	2.29	0.45
11:B:389:HIS:HA	11:B:392:ILE:HD12	1.99	0.45
13:D:45:MET:SD	13:D:60:LEU:HD11	2.57	0.45
24:a:118:THR:HG23	33:a:616:IHT:C08	2.47	0.45
27:e:87:VAL:HG12	32:e:613:II3:C34	2.47	0.45
1:1:209:HIS:HE1	29:1:611:CLA:NB	2.14	0.45
34:5:621:LHG:H302	34:5:621:LHG:H331	1.67	0.45
7:7:167:PHE:HD2	29:7:308:CLA:H42	1.81	0.45
29:9:314:CLA:H3A	29:9:314:CLA:HBA1	1.47	0.45
10:A:359:MET:HG3	29:A:823:CLA:HHB	1.99	0.45
29:A:853:CLA:HBA1	29:A:853:CLA:CHA	2.47	0.45
11:B:150:LEU:HD22	20:M:21:ALA:HA	1.99	0.45
13:D:12:PRO:HD2	19:L:13:PHE:HZ	1.82	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
19:L:95:ILE:HA	19:L:98:VAL:HG22	1.98	0.45
23:Z:92:THR:HG23	23:Z:109:GLY:C	2.42	0.45
3:3:136:GLY:CA	29:3:308:CLA:HAB	2.47	0.45
29:5:603:CLA:HBA1	29:5:603:CLA:H3A	1.67	0.45
9:9:87:VAL:HG13	29:9:303:CLA:HMA3	1.99	0.45
29:9:308:CLA:H2A	29:9:308:CLA:HED2	1.99	0.45
10:A:419:PRO:HG2	13:D:44:GLU:HB2	1.98	0.45
10:A:547:VAL:HG11	29:A:837:CLA:HMB2	1.98	0.45
11:B:243:ILE:HD12	28:X:141:LEU:HD12	1.99	0.45
21:O:111:PHE:CE1	29:O:202:CLA:HBB1	2.52	0.45
25:b:147:THR:OG1	25:b:150:ASP:OD1	2.23	0.45
29:c:602:CLA:H93	29:c:603:CLA:H42	1.99	0.45
24:d:42:MET:HB3	24:d:51:LYS:H	1.81	0.45
3:3:139:GLU:HG3	29:3:308:CLA:NB	2.31	0.44
9:9:208:HIS:HA	9:9:211:LEU:HD12	1.98	0.44
29:9:308:CLA:H202	29:9:308:CLA:H161	1.60	0.44
10:A:96:ALA:HA	10:A:156:GLU:OE1	2.16	0.44
29:b:606:CLA:H3A	29:b:606:CLA:HBA2	1.56	0.44
29:1:603:CLA:H2	29:1:603:CLA:HED3	1.98	0.44
35:2:618:LMG:O5	35:2:618:LMG:O4	2.22	0.44
34:7:320:LHG:H291	36:7:321:SQD:H252	1.98	0.44
29:A:804:CLA:H92	29:A:804:CLA:H61	1.78	0.44
29:A:808:CLA:H51	29:A:810:CLA:H8	1.99	0.44
38:B:849:DGD:HAT2	38:B:849:DGD:HA72	1.75	0.44
25:b:106:LEU:HB3	25:b:108:MET:SD	2.57	0.44
29:b:603:CLA:H93	29:b:603:CLA:H61	1.75	0.44
28:X:112:LYS:HG3	28:X:147:TYR:CE1	2.52	0.44
29:1:609:CLA:HBC2	30:1:610:KC2:CBC	2.47	0.44
29:4:611:CLA:H162	29:4:611:CLA:H141	1.68	0.44
29:5:611:CLA:O1D	29:5:611:CLA:H2A	2.17	0.44
6:6:107:ASP:OD1	6:6:108:LYS:N	2.50	0.44
29:A:802:CLA:HBD	29:A:809:CLA:H2	2.00	0.44
29:A:816:CLA:HBC2	29:A:833:CLA:H42	1.99	0.44
29:B:810:CLA:H162	29:B:810:CLA:H141	1.74	0.44
29:d:604:CLA:H91	29:d:604:CLA:H111	1.76	0.44
2:2:75:VAL:HG11	10:A:175:PHE:HE1	1.83	0.44
4:4:59:ILE:HG13	4:4:62:ASP:HB2	1.98	0.44
29:8:304:CLA:H3A	29:8:304:CLA:HBA1	1.78	0.44
11:B:127:ILE:HG23	11:B:190:TRP:HH2	1.82	0.44
23:Z:133:TYR:HB3	23:Z:140:LEU:HD11	1.99	0.44
1:1:74:PHE:HE1	29:1:601:CLA:HAC2	1.83	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
5:5:95:GLY:CA	5:5:206:MET:HE2	2.47	0.44
6:6:83:LYS:HD2	29:6:607:CLA:C3D	2.48	0.44
7:7:84:LYS:HE3	7:7:84:LYS:HB2	1.69	0.44
29:8:301:CLA:H3A	29:8:301:CLA:HBA2	1.33	0.44
29:A:801:CLA:HED3	29:A:801:CLA:HBD	1.69	0.44
29:A:842:CLA:H51	29:A:842:CLA:C4C	2.48	0.44
11:B:127:ILE:HD12	11:B:190:TRP:CH2	2.53	0.44
11:B:652:PHE:CE2	11:B:656:ILE:HD11	2.53	0.44
29:B:816:CLA:HBB1	29:B:816:CLA:HMB3	2.00	0.44
29:B:823:CLA:H2	29:B:823:CLA:H61	1.65	0.44
23:Z:122:LEU:HD23	29:b:602:CLA:H143	1.99	0.44
23:Z:133:TYR:CE2	23:Z:142:LYS:HD3	2.52	0.44
1:1:167:ARG:HD2	2:2:50:PHE:HB2	1.98	0.44
2:2:102:GLN:HG2	29:2:604:CLA:C1D	2.48	0.44
8:8:71:ARG:HE	8:8:166:LYS:NZ	2.15	0.44
9:9:130:ILE:HG22	29:9:305:CLA:HMA3	1.99	0.44
9:9:131:HIS:O	9:9:135:VAL:HG23	2.17	0.44
29:9:304:CLA:HBA1	29:9:304:CLA:H3A	1.53	0.44
10:A:451:HIS:HE1	29:A:831:CLA:NA	2.07	0.44
11:B:301:LEU:HD13	29:B:824:CLA:HAC2	1.98	0.44
11:B:547:MET:CE	11:B:550:LYS:HG3	2.46	0.44
29:B:810:CLA:H52	29:B:810:CLA:H12	1.81	0.44
29:B:827:CLA:C1B	29:B:827:CLA:H2	2.47	0.44
29:B:829:CLA:H202	29:B:829:CLA:H161	1.86	0.44
1:1:125:LYS:HB2	1:1:210:TYR:CE1	2.53	0.44
29:1:601:CLA:ND	34:1:619:LHG:H241	2.33	0.44
3:3:88:GLY:CA	3:3:192:MET:HE2	2.48	0.44
4:4:206:MET:HE1	23:Z:146:SER:HB2	1.99	0.44
34:4:617:LHG:H282	34:4:617:LHG:H312	1.73	0.44
8:8:96:MET:HE3	8:8:100:PHE:HE2	1.83	0.44
29:8:317:CLA:H3A	29:8:317:CLA:HBA2	1.61	0.44
9:9:159:MET:O	9:9:163:LEU:HG	2.18	0.44
29:9:309:CLA:H3A	29:9:309:CLA:HBA2	1.46	0.44
10:A:21:PRO:HG2	10:A:185:ALA:HB3	1.98	0.44
11:B:196:HIS:HE1	29:B:815:CLA:C1A	2.30	0.44
34:L:208:LHG:H322	29:c:606:CLA:H41	1.99	0.44
28:X:167:LYS:HE3	28:X:167:LYS:HB2	1.52	0.44
1:1:103:ALA:O	1:1:107:ILE:HG12	2.17	0.44
6:6:144:MET:HE2	7:7:66:PRO:O	2.18	0.44
29:B:823:CLA:HMA1	29:B:840:CLA:CGD	2.48	0.44
29:b:608:CLA:HBC2	30:b:609:KC2:CBC	2.48	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1:96:CYS:HB3	1:1:196:GLY:HA3	2.00	0.44
29:4:607:CLA:CGA	29:4:607:CLA:H3A	2.48	0.44
5:5:206:MET:SD	29:5:602:CLA:HAB	2.58	0.44
29:5:604:CLA:O1A	29:5:613:CLA:HBB2	2.17	0.44
10:A:371:MET:HE3	29:A:817:CLA:HBA1	2.00	0.44
10:A:639:SER:O	10:A:645:GLY:HA3	2.18	0.44
11:B:80:ASN:HD22	11:B:80:ASN:HA	1.51	0.44
29:B:808:CLA:H141	29:B:808:CLA:H162	1.68	0.44
29:B:836:CLA:CHA	29:B:836:CLA:HBA1	2.47	0.44
24:d:175:ASP:OD2	24:d:179:LYS:NZ	2.44	0.44
28:X:113:LEU:HD11	28:X:223:VAL:HG12	1.99	0.44
3:3:136:GLY:HA2	29:3:308:CLA:HAB	1.99	0.43
8:8:145:LEU:HD21	29:8:304:CLA:CAB	2.48	0.43
10:A:29:TRP:NE1	29:A:809:CLA:O1A	2.51	0.43
11:B:432:HIS:HE1	29:B:841:CLA:C4D	2.30	0.43
35:F:204:LMG:H322	17:J:18:VAL:HG21	1.99	0.43
29:X:301:CLA:C4D	35:X:302:LMG:H112	2.48	0.43
29:1:604:CLA:H3A	29:1:604:CLA:HBA2	1.83	0.43
2:2:89:GLY:HA3	2:2:184:ALA:HB1	2.00	0.43
34:4:618:LHG:H301	34:4:618:LHG:H272	1.75	0.43
29:B:808:CLA:HAB	29:B:809:CLA:HAA2	1.99	0.43
29:B:840:CLA:HMC2	29:R:202:CLA:H3A	1.99	0.43
12:C:75:ARG:NH1	13:D:29:GLU:OE2	2.51	0.43
22:R:116:PRO:HG3	31:R:204:II0:C24	2.48	0.43
29:d:601:CLA:H3A	29:d:601:CLA:HBA2	1.55	0.43
1:1:130:HIS:CD2	1:1:139:MET:HE2	2.53	0.43
1:1:154:THR:OG1	29:1:607:CLA:HMA1	2.18	0.43
10:A:190:TRP:CD1	29:A:810:CLA:HED3	2.54	0.43
10:A:426:LEU:HD13	29:A:822:CLA:C1C	2.47	0.43
11:B:320:LYS:HD2	22:R:57:TYR:CG	2.54	0.43
11:B:456:GLU:OE1	15:F:92:HIS:ND1	2.51	0.43
29:B:802:CLA:H3A	29:B:802:CLA:O1A	2.18	0.43
26:c:52:LYS:HD2	26:c:53:PRO:O	2.18	0.43
27:e:99:GLU:OE2	27:e:195:GLY:HA3	2.19	0.43
1:1:89:ARG:HG3	1:1:169:PRO:HB2	1.99	0.43
34:3:301:LHG:HC82	29:A:853:CLA:HAB	2.00	0.43
29:3:306:CLA:H3A	29:3:306:CLA:HBA2	1.72	0.43
29:5:608:CLA:HBA2	29:5:608:CLA:H3A	1.40	0.43
7:7:99:GLN:O	7:7:103:HIS:NE2	2.51	0.43
10:A:119:TRP:CD2	29:A:807:CLA:HED3	2.53	0.43
19:L:7:PRO:HB3	19:L:12:PRO:HA	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
24:a:125:VAL:HG11	29:a:606:CLA:CGD	2.48	0.43
29:c:607:CLA:H121	29:c:607:CLA:H161	1.68	0.43
29:c:608:CLA:H52	29:c:608:CLA:H8	1.84	0.43
28:X:175:PRO:HG3	35:X:302:LMG:HC2	2.00	0.43
9:9:212:ILE:HG13	29:9:313:CLA:HED3	2.00	0.43
10:A:117:VAL:O	29:A:807:CLA:HED2	2.18	0.43
10:A:388:LEU:O	10:A:392:THR:HG22	2.18	0.43
20:M:18:LEU:HB2	37:M:101:8CT:C18	2.49	0.43
22:R:104:PRO:HB2	22:R:109:ILE:HD11	2.00	0.43
29:a:604:CLA:H11	29:a:604:CLA:ND	2.33	0.43
3:3:91:CYS:SG	3:3:192:MET:HA	2.58	0.43
34:3:321:LHG:H112	34:3:321:LHG:H241	2.00	0.43
29:4:610:CLA:H62	29:4:610:CLA:H41	1.74	0.43
5:5:54:ILE:HG22	5:5:57:SER:H	1.83	0.43
34:B:801:LHG:H382	34:B:801:LHG:H351	1.86	0.43
19:L:75:LEU:HG	19:L:135:TYR:CD1	2.54	0.43
1:1:89:ARG:O	1:1:89:ARG:HD3	2.19	0.43
29:7:304:CLA:HBC1	29:7:307:CLA:HAC1	2.00	0.43
9:9:83:ASP:OD2	9:9:163:LEU:HD22	2.19	0.43
11:B:72:GLY:HA2	11:B:87:VAL:CG2	2.46	0.43
11:B:279:ALA:HA	29:B:816:CLA:HMC2	2.01	0.43
26:c:75:LEU:HB2	26:c:80:TRP:CG	2.53	0.43
3:3:82:GLU:OE1	3:3:161:GLY:N	2.31	0.43
6:6:82:LEU:HD13	6:6:157:GLY:HA3	2.00	0.43
29:7:311:CLA:H41	29:7:311:CLA:H62	1.43	0.43
8:8:204:ILE:HG22	8:8:205:MET:HE2	2.00	0.43
29:A:820:CLA:H142	29:A:820:CLA:H111	1.66	0.43
29:A:839:CLA:H62	29:A:839:CLA:H101	1.54	0.43
11:B:547:MET:HE1	11:B:557:PHE:CZ	2.54	0.43
27:e:49:PRO:HA	27:e:50:PRO:HD3	1.94	0.43
29:2:602:CLA:H3A	29:2:602:CLA:HBA2	1.45	0.43
29:2:603:CLA:HBB1	29:2:603:CLA:HMB1	2.01	0.43
4:4:122:LEU:HD13	29:4:604:CLA:HAA2	2.00	0.43
29:9:313:CLA:HED2	29:9:313:CLA:H2A	2.01	0.43
10:A:418:ASN:ND2	10:A:421:GLN:OE1	2.51	0.43
29:A:833:CLA:H141	29:A:833:CLA:H162	1.78	0.43
29:A:854:CLA:HMC2	11:B:661:PHE:HB2	2.00	0.43
11:B:399:ASP:HB3	11:B:402:GLN:HB3	2.01	0.43
29:B:805:CLA:H141	29:B:805:CLA:H162	1.78	0.43
27:e:115:SER:HB3	29:e:604:CLA:HED3	2.01	0.43
29:e:611:CLA:H72	29:e:611:CLA:H112	1.71	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
28:X:148:LEU:HB3	28:X:201:ILE:CD1	2.48	0.43
4:4:99:PHE:CE1	34:Z:309:LHG:H121	2.54	0.43
29:4:611:CLA:H151	34:4:620:LHG:H351	1.99	0.43
34:4:618:LHG:H161	34:4:618:LHG:H192	1.73	0.43
10:A:572:ARG:NH2	34:A:850:LHG:O2	2.51	0.43
29:A:819:CLA:NA	29:A:825:CLA:H142	2.33	0.43
40:A:849:PQN:H212	40:A:849:PQN:H252	1.78	0.43
19:L:103:GLU:OE1	19:L:103:GLU:N	2.52	0.43
24:a:86:HIS:CB	24:a:188:MET:HE2	2.49	0.43
24:d:87:CYS:HB3	24:d:184:GLY:HA3	2.00	0.43
29:d:602:CLA:H93	29:d:602:CLA:H61	1.73	0.43
3:3:94:ALA:O	3:3:98:ILE:HG13	2.19	0.42
4:4:90:CYS:SG	4:4:184:MET:HA	2.59	0.42
34:4:618:LHG:H171	34:4:618:LHG:H201	1.88	0.42
5:5:53:ALA:HB1	29:5:601:CLA:C1D	2.49	0.42
29:7:309:CLA:NC	34:7:319:LHG:O4	2.52	0.42
10:A:212:SER:HB3	29:A:812:CLA:HAB	2.00	0.42
29:A:810:CLA:H203	29:A:811:CLA:H122	2.01	0.42
29:B:820:CLA:H143	29:B:820:CLA:H112	1.77	0.42
25:b:138:GLU:HG3	29:b:606:CLA:NB	2.33	0.42
26:c:71:VAL:HG21	29:c:602:CLA:H2	2.00	0.42
29:c:612:CLA:HBA2	29:c:612:CLA:H3A	1.74	0.42
1:1:151:ILE:HG23	34:2:619:LHG:H302	2.01	0.42
1:1:196:GLY:O	1:1:200:MET:HG3	2.20	0.42
11:B:341:ILE:HG22	11:B:382:LEU:HD13	2.01	0.42
11:B:519:VAL:HG21	11:B:593:TYR:HB2	2.01	0.42
34:B:801:LHG:H301	34:B:801:LHG:H332	1.70	0.42
29:B:807:CLA:H2	29:B:807:CLA:H61	1.70	0.42
34:M:102:LHG:HC91	34:M:102:LHG:H242	2.01	0.42
23:Z:133:TYR:CZ	23:Z:142:LYS:HD3	2.54	0.42
23:Z:214:LYS:HE3	35:Z:310:LMG:O10	2.19	0.42
24:a:85:LYS:HD2	29:a:607:CLA:C3D	2.49	0.42
25:b:150:ASP:OD1	25:b:150:ASP:N	2.48	0.42
29:b:604:CLA:H92	29:b:604:CLA:H62	1.77	0.42
29:3:309:CLA:H42	24:a:73:LEU:HD11	2.01	0.42
6:6:40:MET:HB3	6:6:48:LYS:HA	2.00	0.42
9:9:181:GLY:HA3	29:9:309:CLA:HBA1	2.00	0.42
29:A:802:CLA:H3A	29:A:802:CLA:HBA1	1.87	0.42
11:B:257:PHE:HD1	29:B:817:CLA:HMB3	1.83	0.42
29:B:803:CLA:H121	29:B:803:CLA:H162	1.31	0.42
15:F:115:ILE:O	15:F:118:TRP:HB3	2.20	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2:90:ARG:HG2	29:2:608:CLA:C3C	2.49	0.42
29:2:602:CLA:CHB	29:2:602:CLA:H11	2.49	0.42
4:4:193:HIS:HE1	29:4:610:CLA:NB	2.16	0.42
29:A:824:CLA:HBA2	29:A:824:CLA:H3A	1.86	0.42
11:B:528:HIS:HE1	29:B:837:CLA:C4D	2.33	0.42
29:B:803:CLA:H112	29:B:803:CLA:H143	1.68	0.42
29:B:827:CLA:C1D	29:B:827:CLA:H8	2.49	0.42
15:F:158:TRP:CG	15:F:159:PRO:HD3	2.55	0.42
23:Z:125:GLN:NE2	24:a:138:SER:OG	2.47	0.42
29:e:602:CLA:H61	29:e:602:CLA:H41	1.69	0.42
28:X:200:ALA:O	28:X:204:VAL:HG23	2.19	0.42
3:3:148:THR:HB	15:F:154:THR:HG22	2.01	0.42
9:9:187:GLN:OE1	9:9:191:LYS:HE2	2.19	0.42
10:A:180:HIS:HE1	29:A:808:CLA:C1A	2.32	0.42
10:A:297:HIS:HE1	29:A:816:CLA:C1D	2.24	0.42
10:A:483:PHE:HB3	29:A:835:CLA:H12	2.01	0.42
11:B:20:ARG:NH2	16:I:31:GLU:OE2	2.53	0.42
29:Z:302:CLA:H43	29:a:612:CLA:H152	2.01	0.42
25:b:205:GLN:HG3	25:b:210:GLN:HB3	2.02	0.42
27:e:135:GLU:HG3	29:e:606:CLA:C1B	2.49	0.42
2:2:94:LEU:HB3	29:2:604:CLA:CBB	2.49	0.42
4:4:192:HIS:CD2	29:4:611:CLA:NA	2.87	0.42
29:5:612:CLA:H2A	29:5:612:CLA:O2D	2.20	0.42
10:A:565:ASP:OD1	10:A:565:ASP:N	2.52	0.42
10:A:648:ARG:HG3	11:B:632:ILE:HD12	2.01	0.42
11:B:381:PHE:HA	11:B:583:MET:HE2	2.01	0.42
11:B:484:VAL:HG12	29:B:834:CLA:HMD2	2.00	0.42
29:B:814:CLA:H61	29:B:814:CLA:H92	1.69	0.42
13:D:101:LYS:C	13:D:103:GLY:N	2.77	0.42
29:4:603:CLA:HBB2	37:4:616:8CT:C19	2.50	0.42
29:9:308:CLA:H61	29:9:308:CLA:H2	1.73	0.42
10:A:561:ARG:HB2	11:B:676:GLU:OE1	2.20	0.42
29:A:830:CLA:HBB1	29:A:839:CLA:HAA2	2.00	0.42
29:A:843:CLA:H91	29:A:854:CLA:H111	2.02	0.42
29:A:843:CLA:C1B	29:A:854:CLA:HBB1	2.48	0.42
11:B:194:LEU:HA	11:B:198:ALA:HB3	2.02	0.42
11:B:214:LYS:HD3	28:X:175:PRO:HB3	2.01	0.42
29:B:824:CLA:H161	29:B:824:CLA:H202	1.77	0.42
19:L:94:ALA:O	19:L:98:VAL:HG13	2.19	0.42
21:O:84:LEU:HD12	21:O:85:PRO:HD2	2.02	0.42
29:e:608:CLA:NC	34:e:617:LHG:O4	2.53	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1:93:LEU:HD13	1:1:170:GLY:HA3	2.02	0.42
9:9:151:GLU:HG3	29:9:308:CLA:NB	2.34	0.42
10:A:709:ASN:HB2	15:F:124:ARG:HH21	1.84	0.42
11:B:169:LYS:NZ	11:B:328:ASN:OD1	2.50	0.42
11:B:480:SER:O	11:B:486:THR:OG1	2.36	0.42
29:B:825:CLA:HED2	29:B:826:CLA:HBD	2.02	0.42
29:K:102:CLA:H3A	29:K:102:CLA:HBA2	1.45	0.42
21:O:67:ASN:HB3	21:O:70:VAL:HG23	2.02	0.42
26:c:56:LEU:HD22	29:c:602:CLA:O1D	2.20	0.42
29:d:603:CLA:HBA1	29:d:603:CLA:H3A	1.58	0.42
3:3:85:LEU:HD23	3:3:85:LEU:HA	1.94	0.42
29:4:606:CLA:H121	29:4:611:CLA:H161	2.02	0.42
8:8:75:VAL:HG13	8:8:75:VAL:O	2.19	0.42
8:8:107:PRO:HB3	26:c:251:PRO:HB3	2.02	0.42
29:A:822:CLA:H193	29:A:837:CLA:HBA2	2.01	0.42
11:B:374:HIS:HB2	29:B:827:CLA:CHB	2.49	0.42
11:B:631:LEU:HD21	11:B:650:PHE:CD1	2.55	0.42
29:B:810:CLA:H91	29:B:810:CLA:H112	1.79	0.42
29:B:818:CLA:H61	29:B:818:CLA:H102	1.93	0.42
25:b:87:HIS:HE1	29:b:603:CLA:C4D	2.32	0.42
25:b:207:VAL:O	25:b:210:GLN:HG2	2.20	0.42
3:3:73:TYR:CD2	36:3:322:SQD:H1	2.54	0.42
4:4:42:MET:HE3	4:4:47:PRO:O	2.19	0.42
29:4:610:CLA:H141	29:4:610:CLA:H161	1.87	0.42
10:A:307:VAL:HG11	29:A:815:CLA:H162	2.01	0.42
10:A:681:ALA:HB3	29:A:840:CLA:HBB2	2.02	0.42
29:A:834:CLA:H61	29:A:834:CLA:H41	1.84	0.42
29:A:837:CLA:H92	29:A:837:CLA:H61	1.78	0.42
29:A:842:CLA:HAA1	29:B:831:CLA:HMB2	2.02	0.42
40:A:849:PQN:H141	29:A:855:CLA:HBB2	2.02	0.42
11:B:660:GLY:O	11:B:664:LEU:HG	2.20	0.42
29:B:806:CLA:H161	29:B:806:CLA:H193	1.83	0.42
29:B:808:CLA:H62	29:B:808:CLA:H93	1.64	0.42
23:Z:192:LEU:HD11	29:a:612:CLA:H61	2.01	0.42
26:c:160:THR:HG22	29:c:607:CLA:H42	2.02	0.42
26:c:211:VAL:HG11	33:c:620:IHT:C29	2.50	0.42
34:c:623:LHG:H192	34:c:623:LHG:H141	2.00	0.42
24:d:125:VAL:HG11	29:d:606:CLA:CGD	2.50	0.42
3:3:141:VAL:HG11	34:4:617:LHG:H302	2.02	0.41
29:3:308:CLA:HBA2	29:3:308:CLA:H3A	1.61	0.41
29:4:608:CLA:H192	29:4:608:CLA:H162	1.78	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
5:5:47:GLN:HB2	5:5:70:TYR:O	2.20	0.41
29:7:312:CLA:O2D	28:X:176:LYS:HE2	2.20	0.41
8:8:180:PHE:CZ	29:8:306:CLA:HAA1	2.54	0.41
29:8:302:CLA:H141	29:8:302:CLA:H161	1.84	0.41
10:A:289:LEU:HD21	10:A:374:MET:HB3	2.02	0.41
10:A:733:LEU:HD12	34:A:850:LHG:H331	2.02	0.41
29:A:801:CLA:H122	29:A:801:CLA:H161	1.29	0.41
29:A:854:CLA:H141	29:A:854:CLA:H162	1.58	0.41
11:B:516:ASP:HA	11:B:519:VAL:HG12	2.01	0.41
29:B:806:CLA:H102	29:B:806:CLA:H62	1.94	0.41
29:B:813:CLA:H202	29:B:818:CLA:CAD	2.50	0.41
19:L:58:LEU:HD23	19:L:58:LEU:HA	1.83	0.41
25:b:66:PHE:CE1	29:b:601:CLA:HAC2	2.54	0.41
26:c:53:PRO:HG2	26:c:67:ASP:HB3	2.01	0.41
28:X:110:ALA:O	28:X:113:LEU:HB2	2.20	0.41
28:X:130:LYS:HG3	28:X:130:LYS:O	2.20	0.41
5:5:68:VAL:O	5:5:88:ARG:NH2	2.53	0.41
6:6:125:GLN:OE1	6:6:127:ALA:N	2.52	0.41
9:9:53:CYS:SG	9:9:54:ILE:HD12	2.60	0.41
29:A:836:CLA:H92	29:A:836:CLA:H62	1.69	0.41
29:B:841:CLA:HBC2	29:B:841:CLA:HHD	2.03	0.41
22:R:80:ILE:HG13	22:R:125:ALA:HB1	2.01	0.41
24:a:145:THR:OG1	29:a:607:CLA:HMA1	2.20	0.41
29:b:602:CLA:H3A	29:b:602:CLA:HBA2	1.37	0.41
29:b:608:CLA:H171	30:b:609:KC2:CBA	2.50	0.41
24:d:87:CYS:SG	24:d:188:MET:HE2	2.60	0.41
3:3:140:MET:HB2	36:3:320:SQD:H241	2.02	0.41
6:6:99:ASP:OD2	6:6:205:PRO:HD2	2.20	0.41
6:6:106:VAL:HG22	30:6:613:KC2:C3B	2.50	0.41
29:7:312:CLA:HBA1	29:7:312:CLA:HBD	2.01	0.41
10:A:448:LEU:HB3	10:A:541:PHE:HB2	2.01	0.41
11:B:210:ASP:HA	29:X:301:CLA:CMD	2.50	0.41
19:L:48:LEU:O	19:L:52:MET:HG3	2.20	0.41
25:b:174:ALA:O	25:b:178:ARG:HG3	2.20	0.41
27:e:89:MET:HE3	29:e:607:CLA:HMC2	2.03	0.41
27:e:146:ASP:OD1	27:e:147:ASN:N	2.53	0.41
1:1:83:LEU:HD21	29:A:818:CLA:H43	2.03	0.41
1:1:203:ILE:HD12	1:1:203:ILE:HA	1.92	0.41
2:2:108:PRO:HA	23:Z:217:PRO:HG3	2.03	0.41
3:3:189:ARG:HA	3:3:192:MET:HE3	2.02	0.41
5:5:89:GLU:OE1	5:5:164:LEU:HD13	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:A:121:ILE:HG23	10:A:122:VAL:HG22	2.01	0.41
29:A:824:CLA:H71	29:A:835:CLA:H43	2.01	0.41
11:B:136:TYR:CE2	11:B:140:LEU:HD11	2.56	0.41
29:B:822:CLA:HBB1	29:R:202:CLA:HMB1	2.02	0.41
29:L:202:CLA:HAC2	33:L:204:IHT:C15	2.50	0.41
29:a:611:CLA:H41	29:a:611:CLA:H61	1.65	0.41
29:c:612:CLA:H11	29:c:612:CLA:H52	1.84	0.41
28:X:113:LEU:HA	28:X:143:TYR:OH	2.20	0.41
29:7:308:CLA:HAB	31:7:314:II0:C34	2.51	0.41
9:9:104:GLY:O	9:9:108:GLU:HG3	2.21	0.41
10:A:89:SER:HB3	10:A:166:GLY:HA3	2.02	0.41
29:A:830:CLA:HBB1	29:A:830:CLA:HMB3	2.01	0.41
11:B:183:PHE:CZ	29:B:813:CLA:H61	2.56	0.41
11:B:351:HIS:CE1	29:B:826:CLA:C1B	3.04	0.41
29:B:832:CLA:H52	37:B:851:8CT:C11	2.51	0.41
35:F:204:LMG:HC91	17:J:6:LEU:HD22	2.02	0.41
29:c:603:CLA:H3A	29:c:603:CLA:HBA1	1.76	0.41
29:4:611:CLA:H42	15:F:99:TRP:CH2	2.56	0.41
5:5:116:VAL:HG11	29:5:604:CLA:CGD	2.51	0.41
7:7:90:MET:HE3	29:7:308:CLA:HMC3	2.03	0.41
10:A:60:ASP:OD1	10:A:69:ILE:HD13	2.20	0.41
10:A:298:HIS:HE1	29:A:817:CLA:NA	2.17	0.41
10:A:588:ALA:O	10:A:591:SER:OG	2.34	0.41
10:A:667:SER:HB2	11:B:445:ALA:HB1	2.03	0.41
29:A:810:CLA:H43	29:A:810:CLA:NB	2.34	0.41
29:A:818:CLA:H111	29:A:818:CLA:H91	1.71	0.41
11:B:422:LEU:HD13	29:B:837:CLA:C3B	2.51	0.41
22:R:79:TYR:CD2	22:R:128:GLN:HG3	2.55	0.41
29:a:605:CLA:H12	29:a:605:CLA:H52	1.79	0.41
25:b:68:PRO:HD2	32:b:613:II3:C06	2.51	0.41
1:1:148:PHE:CE2	1:1:152:PHE:HE2	2.39	0.41
3:3:144:ARG:NH2	23:Z:97:ARG:O	2.54	0.41
29:8:302:CLA:H12	29:8:302:CLA:H51	1.86	0.41
9:9:95:GLY:O	9:9:99:MET:HG3	2.21	0.41
9:9:140:MET:HE3	29:9:307:CLA:C3C	2.50	0.41
10:A:240:PRO:HB2	29:A:812:CLA:HMD1	2.03	0.41
10:A:704:ALA:HB2	11:B:420:SER:HB2	2.03	0.41
29:B:808:CLA:H91	29:B:808:CLA:H111	1.80	0.41
24:a:156:ARG:HD2	24:a:157:ALA:N	2.36	0.41
25:b:181:VAL:HG11	30:b:609:KC2:CAA	2.51	0.41
25:b:198:HIS:HD2	29:b:611:CLA:C1A	2.33	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
36:3:320:SQD:H45	15:F:160:VAL:HG11	2.02	0.41
4:4:99:PHE:N	4:4:100:PRO:HD2	2.35	0.41
6:6:68:LEU:CD1	29:6:602:CLA:H2	2.50	0.41
7:7:73:TYR:HB2	7:7:78:LEU:HD11	2.03	0.41
10:A:596:LEU:HD23	10:A:599:MET:HE3	2.02	0.41
29:A:824:CLA:H52	29:A:824:CLA:H12	1.77	0.41
11:B:464:GLN:HG2	11:B:509:PHE:CD1	2.56	0.41
11:B:510:LEU:HD22	11:B:601:ILE:HD13	2.03	0.41
29:B:827:CLA:H141	29:B:827:CLA:H162	1.83	0.41
29:B:831:CLA:HBC2	29:B:837:CLA:HMC2	2.02	0.41
21:O:91:TYR:HB3	21:O:94:LYS:O	2.21	0.41
24:d:45:SER:HB3	24:d:63:ILE:HD12	2.03	0.41
24:d:196:HIS:HA	24:d:199:PHE:CD2	2.56	0.41
29:d:605:CLA:H3A	29:d:605:CLA:HBA2	1.74	0.41
2:2:139:GLU:O	2:2:143:VAL:HG23	2.21	0.41
3:3:182:LEU:O	3:3:186:ILE:HG12	2.20	0.41
5:5:73:PHE:CE1	29:5:601:CLA:HAC2	2.56	0.41
5:5:145:ALA:HB1	29:5:605:CLA:HMD1	2.03	0.41
6:6:87:LEU:CD1	29:6:607:CLA:HMD3	2.50	0.41
6:6:129:GLY:O	6:6:133:VAL:HG23	2.21	0.41
7:7:189:MET:SD	29:7:303:CLA:HAB	2.60	0.41
8:8:62:ALA:HA	8:8:69:ALA:CB	2.51	0.41
29:8:317:CLA:H8	19:L:80:PHE:CE2	2.56	0.41
10:A:178:TRP:HB2	29:A:809:CLA:CMC	2.51	0.41
10:A:326:LEU:O	10:A:338:HIS:HB2	2.21	0.41
10:A:343:GLU:O	10:A:347:THR:OG1	2.20	0.41
10:A:393:HIS:HB2	29:A:826:CLA:CHB	2.51	0.41
10:A:584:CYS:HB3	11:B:667:TRP:HE3	1.86	0.41
29:A:804:CLA:H193	29:A:804:CLA:H161	1.77	0.41
29:A:816:CLA:HBA2	29:A:816:CLA:H3A	1.65	0.41
29:A:822:CLA:H42	29:A:837:CLA:H111	2.02	0.41
29:A:832:CLA:H193	29:A:832:CLA:H161	1.91	0.41
29:A:854:CLA:C1C	11:B:662:MET:HB2	2.51	0.41
11:B:156:HIS:HE1	29:B:811:CLA:C4D	2.33	0.41
11:B:628:SER:O	11:B:632:ILE:HG12	2.20	0.41
29:B:805:CLA:CGA	29:B:805:CLA:H3A	2.48	0.41
29:B:809:CLA:H3A	29:B:810:CLA:HBB1	2.02	0.41
15:F:74:ARG:HD3	17:J:36:ASP:CG	2.46	0.41
18:K:32:ILE:HA	18:K:65:THR:HB	2.02	0.41
24:a:118:THR:O	24:a:121:HIS:HB3	2.20	0.41
29:b:602:CLA:CHB	29:b:602:CLA:H11	2.51	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
24:d:98:ILE:HG23	24:d:206:LEU:HD11	2.03	0.41
27:e:98:PRO:HG3	29:e:604:CLA:C1D	2.51	0.41
29:e:602:CLA:H12	29:e:602:CLA:CHB	2.51	0.41
28:X:108:VAL:O	28:X:112:LYS:HG2	2.19	0.41
3:3:75:ILE:HB	3:3:80:LEU:HD11	2.02	0.41
6:6:177:GLN:O	6:6:181:ILE:HG12	2.21	0.41
6:6:191:PHE:O	6:6:195:VAL:HG23	2.21	0.41
29:8:302:CLA:H11	16:I:21:PHE:CZ	2.56	0.41
29:9:303:CLA:H62	29:9:303:CLA:H41	1.84	0.41
11:B:549:ASP:OD2	13:D:123:ILE:HD11	2.21	0.41
11:B:631:LEU:HD21	11:B:650:PHE:CG	2.56	0.41
28:X:116:LEU:HB2	28:X:143:TYR:CE2	2.56	0.41
5:5:163:ALA:HB1	5:5:173:ARG:HD2	2.03	0.40
5:5:196:LEU:O	5:5:200:LYS:HG2	2.21	0.40
6:6:76:PHE:HB2	6:6:150:LEU:HD21	2.02	0.40
29:7:304:CLA:H3A	29:7:304:CLA:HBA1	1.65	0.40
10:A:414:VAL:HG11	10:A:571:PHE:N	2.37	0.40
29:A:831:CLA:H11	29:A:831:CLA:H52	1.92	0.40
29:A:841:CLA:HHC	29:A:841:CLA:CBB	2.50	0.40
11:B:305:LEU:HD11	29:B:824:CLA:HMC1	2.02	0.40
29:B:807:CLA:H42	16:I:10:LEU:HD13	2.03	0.40
29:B:822:CLA:CBB	29:R:202:CLA:HMB1	2.50	0.40
29:B:841:CLA:H152	29:B:841:CLA:H112	1.77	0.40
14:E:32:ILE:HD11	14:E:35:PRO:HA	2.02	0.40
25:b:66:PHE:HE1	29:b:601:CLA:HAC2	1.86	0.40
29:4:608:CLA:H143	29:4:608:CLA:H112	1.96	0.40
5:5:140:ASN:HA	5:5:141:PRO:HD3	1.87	0.40
6:6:102:THR:HG22	6:6:106:VAL:HB	2.03	0.40
29:6:607:CLA:HBB1	29:B:820:CLA:H121	2.02	0.40
8:8:162:LEU:CD2	29:8:304:CLA:HAC2	2.51	0.40
10:A:57:HIS:HE1	29:A:802:CLA:C4B	2.34	0.40
13:D:11:SER:HA	13:D:12:PRO:HD3	1.89	0.40
18:K:83:VAL:HG23	18:K:85:LEU:HG	2.03	0.40
29:c:601:CLA:HED2	29:c:601:CLA:H2A	2.03	0.40
2:2:173:LEU:HG	2:2:177:LYS:HE3	2.04	0.40
3:3:92:MET:SD	29:3:309:CLA:HBB1	2.61	0.40
4:4:90:CYS:SG	4:4:184:MET:HG2	2.61	0.40
29:6:602:CLA:H193	29:6:602:CLA:H161	1.93	0.40
29:8:308:CLA:H62	29:8:308:CLA:H41	1.86	0.40
9:9:105:ILE:HG23	9:9:127:ILE:HG21	2.03	0.40
9:9:215:LYS:HD2	9:9:217:GLN:NE2	2.37	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:A:441:LEU:HG	10:A:548:LEU:HB2	2.03	0.40
10:A:577:GLY:HA2	11:B:562:PRO:HD3	2.03	0.40
11:B:374:HIS:HB2	29:B:827:CLA:C1B	2.52	0.40
15:F:47:LEU:HD23	15:F:47:LEU:HA	1.90	0.40
15:F:117:GLY:HA3	15:F:158:TRP:CE2	2.57	0.40
29:c:605:CLA:HAB	31:d:615:II0:C42	2.52	0.40
29:c:607:CLA:H122	29:c:607:CLA:H2	2.02	0.40
6:6:49:ARG:HD2	6:6:50:PRO:O	2.21	0.40
6:6:139:GLU:HA	6:6:142:ALA:HB3	2.03	0.40
8:8:215:ILE:HD11	29:8:308:CLA:HED3	2.04	0.40
9:9:102:PHE:O	9:9:106:VAL:HG23	2.22	0.40
10:A:80:GLN:HE21	10:A:84:ILE:CG1	2.35	0.40
11:B:302:LYS:HE2	11:B:324:GLU:OE2	2.21	0.40
11:B:672:GLN:O	11:B:676:GLU:HG3	2.22	0.40
29:B:821:CLA:HAA2	22:R:68:LEU:O	2.22	0.40
29:B:829:CLA:H11	29:B:829:CLA:H51	1.75	0.40
12:C:17:CYS:HB3	39:C:102:SF4:S4	2.61	0.40
15:F:135:LYS:HG3	15:F:138:GLU:H	1.87	0.40
19:L:6:LYS:HD2	21:O:60:ASP:HB3	2.04	0.40
24:a:65:PHE:HE1	29:a:601:CLA:HAC2	1.87	0.40
1:1:142:MET:HG3	29:1:605:CLA:HMD2	2.04	0.40
2:2:103:GLU:OE2	2:2:206:LEU:HB2	2.21	0.40
29:6:606:CLA:HBA1	11:B:226:PHE:C	2.47	0.40
29:9:307:CLA:H42	29:Z:302:CLA:HAB	2.04	0.40
10:A:126:VAL:HG11	11:B:446:PHE:HA	2.04	0.40
10:A:216:HIS:HB2	29:A:812:CLA:C1C	2.52	0.40
10:A:246:ASN:ND2	10:A:249:LEU:HB2	2.35	0.40
10:A:350:HIS:CE1	10:A:411:ILE:HG21	2.56	0.40
29:A:820:CLA:H192	29:A:820:CLA:H161	1.70	0.40
29:B:817:CLA:C4A	29:B:817:CLA:HBA1	2.51	0.40
25:b:198:HIS:CD2	29:b:611:CLA:C1A	3.04	0.40
27:e:46:PHE:CD2	27:e:47:LEU:HG	2.57	0.40
29:e:602:CLA:H61	29:e:602:CLA:H92	1.97	0.40

There are no symmetry-related clashes.

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	1	173/222 (78%)	163 (94%)	10 (6%)	0	100	100
2	2	166/216 (77%)	164 (99%)	2 (1%)	0	100	100
3	3	189/235 (80%)	187 (99%)	2 (1%)	0	100	100
4	4	174/217 (80%)	173 (99%)	1 (1%)	0	100	100
5	5	186/229 (81%)	173 (93%)	13 (7%)	0	100	100
6	6	171/215 (80%)	165 (96%)	6 (4%)	0	100	100
7	7	178/230 (77%)	171 (96%)	7 (4%)	0	100	100
8	8	173/227 (76%)	169 (98%)	4 (2%)	0	100	100
9	9	178/220 (81%)	176 (99%)	2 (1%)	0	100	100
10	A	739/752 (98%)	714 (97%)	25 (3%)	0	100	100
11	B	729/734 (99%)	710 (97%)	19 (3%)	0	100	100
12	C	78/81 (96%)	72 (92%)	6 (8%)	0	100	100
13	D	135/141 (96%)	126 (93%)	8 (6%)	1 (1%)	18	17
14	E	59/64 (92%)	59 (100%)	0	0	100	100
15	F	158/183 (86%)	153 (97%)	5 (3%)	0	100	100
16	I	31/36 (86%)	28 (90%)	3 (10%)	0	100	100
17	J	40/42 (95%)	40 (100%)	0	0	100	100
18	K	76/87 (87%)	73 (96%)	3 (4%)	0	100	100
19	L	148/153 (97%)	143 (97%)	5 (3%)	0	100	100
20	M	28/30 (93%)	27 (96%)	1 (4%)	0	100	100
21	O	97/155 (63%)	96 (99%)	1 (1%)	0	100	100
22	R	90/139 (65%)	89 (99%)	1 (1%)	0	100	100
23	Z	151/279 (54%)	143 (95%)	7 (5%)	1 (1%)	18	17
24	a	169/215 (79%)	166 (98%)	3 (2%)	0	100	100
24	d	169/215 (79%)	166 (98%)	3 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
25	b	174/218 (80%)	174 (100%)	0	0	100 100
26	c	213/257 (83%)	202 (95%)	11 (5%)	0	100 100
27	e	166/208 (80%)	164 (99%)	1 (1%)	1 (1%)	21 21
28	X	143/241 (59%)	142 (99%)	1 (1%)	0	100 100
All	All	5181/6241 (83%)	5028 (97%)	150 (3%)	3 (0%)	49 56

All (3) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
13	D	99	HIS
23	Z	179	LEU
27	e	47	LEU

5.3.2 Protein sidechains (i)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	1	129/163 (79%)	128 (99%)	1 (1%)	73 80
2	2	134/167 (80%)	134 (100%)	0	100 100
3	3	151/182 (83%)	151 (100%)	0	100 100
4	4	139/167 (83%)	139 (100%)	0	100 100
5	5	139/166 (84%)	138 (99%)	1 (1%)	76 82
6	6	134/160 (84%)	133 (99%)	1 (1%)	76 82
7	7	139/176 (79%)	138 (99%)	1 (1%)	76 82
8	8	136/169 (80%)	136 (100%)	0	100 100
9	9	138/164 (84%)	137 (99%)	1 (1%)	76 82
10	A	607/617 (98%)	606 (100%)	1 (0%)	87 92
11	B	592/593 (100%)	589 (100%)	3 (0%)	81 87
12	C	66/67 (98%)	66 (100%)	0	100 100
13	D	114/117 (97%)	114 (100%)	0	100 100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
14	E	56/59 (95%)	55 (98%)	1 (2%)	51 63
15	F	133/154 (86%)	133 (100%)	0	100 100
16	I	27/29 (93%)	27 (100%)	0	100 100
17	J	38/38 (100%)	38 (100%)	0	100 100
18	K	62/69 (90%)	62 (100%)	0	100 100
19	L	126/128 (98%)	126 (100%)	0	100 100
20	M	25/25 (100%)	25 (100%)	0	100 100
21	O	81/116 (70%)	81 (100%)	0	100 100
22	R	74/111 (67%)	74 (100%)	0	100 100
23	Z	117/205 (57%)	117 (100%)	0	100 100
24	a	128/153 (84%)	128 (100%)	0	100 100
24	d	128/153 (84%)	128 (100%)	0	100 100
25	b	144/173 (83%)	144 (100%)	0	100 100
26	c	169/195 (87%)	169 (100%)	0	100 100
27	e	133/162 (82%)	132 (99%)	1 (1%)	73 80
28	X	100/166 (60%)	99 (99%)	1 (1%)	68 77
All	All	4159/4844 (86%)	4147 (100%)	12 (0%)	84 90

All (12) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	1	109	GLN
5	5	108	GLN
6	6	71	VAL
7	7	42	SER
9	9	124	SER
10	A	183	LYS
11	B	76	GLN
11	B	80	ASN
11	B	83	LYS
14	E	56	ASP
27	e	41	GLN
28	X	167	LYS

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (25) such sidechains are listed below:

Mol	Chain	Res	Type
1	1	109	GLN
2	2	102	GLN
2	2	197	GLN
3	3	105	HIS
3	3	157	ASN
3	3	201	GLN
6	6	98	GLN
7	7	159	ASN
8	8	117	GLN
9	9	47	GLN
9	9	213	ASN
10	A	80	GLN
10	A	107	ASN
10	A	715	GLN
11	B	80	ASN
11	B	266	GLN
11	B	608	GLN
13	D	6	ASN
15	F	67	GLN
21	O	144	ASN
25	b	213	ASN
27	e	48	GLN
27	e	84	ASN
28	X	111	ASN
28	X	179	ASN

5.3.3 RNA

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates

There are no oligosaccharides in this entry.

5.6 Ligand geometry

429 ligands are modelled in this entry.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
29	CLA	K	101	-	69,73,73	1.15	7 (10%)	82,113,113	1.37	10 (12%)
29	CLA	2	603	2	54,58,73	1.31	8 (14%)	64,95,113	1.43	9 (14%)
29	CLA	A	819	-	69,73,73	1.20	7 (10%)	82,113,113	1.39	9 (10%)
29	CLA	A	842	10	69,73,73	1.15	8 (11%)	82,113,113	1.36	8 (9%)
31	II0	9	323	-	39,43,43	2.17	3 (7%)	48,60,60	1.63	9 (18%)
29	CLA	8	306	8	49,53,73	1.38	7 (14%)	58,89,113	1.46	4 (6%)
29	CLA	2	607	2	49,53,73	1.39	8 (16%)	58,89,113	1.38	4 (6%)
31	II0	4	615	-	39,43,43	2.10	2 (5%)	48,60,60	1.75	10 (20%)
31	II0	d	616	-	39,43,43	2.09	2 (5%)	48,60,60	1.91	13 (27%)
29	CLA	L	203	-	54,58,73	1.30	8 (14%)	64,95,113	1.40	7 (10%)
31	II0	e	612	-	39,43,43	2.16	2 (5%)	48,60,60	1.67	10 (20%)
34	LHG	c	622	29	20,20,48	0.79	1 (5%)	22,25,54	1.35	2 (9%)
29	CLA	1	609	34	45,49,73	1.42	8 (17%)	54,84,113	1.49	5 (9%)
29	CLA	c	608	26	64,68,73	1.20	8 (12%)	76,107,113	1.29	4 (5%)
31	II0	d	614	-	39,43,43	2.08	3 (7%)	48,60,60	1.55	9 (18%)
29	CLA	b	602	25	68,72,73	1.16	7 (10%)	80,111,113	1.33	9 (11%)
31	II0	c	617	-	39,43,43	2.06	3 (7%)	48,60,60	1.37	9 (18%)
33	IHT	a	616	-	40,42,42	1.60	2 (5%)	52,58,58	1.82	13 (25%)
31	II0	R	201	-	39,43,43	2.21	4 (10%)	48,60,60	1.68	9 (18%)
31	II0	1	620	-	39,43,43	2.18	4 (10%)	48,60,60	1.95	8 (16%)
31	II0	a	614	-	39,43,43	2.10	4 (10%)	48,60,60	1.43	6 (12%)
30	KC2	6	610	6	49,53,53	1.75	9 (18%)	60,89,89	1.92	16 (26%)
29	CLA	B	833	-	69,73,73	1.16	7 (10%)	82,113,113	1.27	5 (6%)
29	CLA	B	818	11	64,68,73	1.20	9 (14%)	76,107,113	1.26	6 (7%)
29	CLA	B	836	11	69,73,73	1.14	7 (10%)	82,113,113	1.37	7 (8%)
29	CLA	7	305	7	57,61,73	1.29	8 (14%)	67,98,113	1.36	6 (8%)
36	SQD	7	321	-	34,36,54	1.80	8 (23%)	44,47,65	1.48	6 (13%)
29	CLA	5	605	5	49,53,73	1.39	8 (16%)	58,89,113	1.43	4 (6%)
29	CLA	B	819	-	64,68,73	1.21	8 (12%)	76,107,113	1.32	6 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
37	8CT	B	843	-	40,41,41	4.74	23 (57%)	51,56,56	3.01	20 (39%)
29	CLA	A	825	10	69,73,73	1.16	9 (13%)	82,113,113	1.30	6 (7%)
32	II3	b	613	-	40,43,43	1.55	2 (5%)	47,60,60	1.86	12 (25%)
34	LHG	L	206	-	19,21,48	0.73	1 (5%)	21,23,54	1.23	2 (9%)
29	CLA	2	601	2	46,50,73	1.40	8 (17%)	53,85,113	1.45	4 (7%)
29	CLA	5	601	5	45,49,73	1.42	7 (15%)	54,84,113	1.46	5 (9%)
29	CLA	B	821	11	64,68,73	1.20	7 (10%)	76,107,113	1.35	8 (10%)
30	KC2	3	307	34	49,53,53	1.76	9 (18%)	60,89,89	1.90	16 (26%)
29	CLA	B	841	11	69,73,73	1.15	8 (11%)	82,113,113	1.30	8 (9%)
29	CLA	A	854	-	69,73,73	1.15	9 (13%)	82,113,113	1.38	6 (7%)
29	CLA	d	608	24	69,73,73	1.16	8 (11%)	82,113,113	1.27	7 (8%)
29	CLA	e	601	27	49,53,73	1.39	8 (16%)	58,89,113	1.41	4 (6%)
29	CLA	3	303	3	59,63,73	1.24	9 (15%)	70,101,113	1.35	6 (8%)
29	CLA	A	853	34	49,53,73	1.39	8 (16%)	58,89,113	1.57	4 (6%)
31	II0	J	102	-	39,43,43	2.03	2 (5%)	48,60,60	1.59	11 (22%)
34	LHG	A	852	-	22,22,48	0.83	0	25,27,54	1.34	2 (8%)
29	CLA	4	606	4	64,68,73	1.21	8 (12%)	76,107,113	1.25	5 (6%)
29	CLA	B	837	11	51,55,73	1.32	7 (13%)	60,91,113	1.46	7 (11%)
29	CLA	d	602	24	68,72,73	1.16	8 (11%)	80,111,113	1.29	6 (7%)
29	CLA	2	611	2	54,58,73	1.32	8 (14%)	64,95,113	1.37	6 (9%)
29	CLA	5	612	5	49,53,73	1.39	8 (16%)	58,89,113	1.43	5 (8%)
29	CLA	A	812	10	59,63,73	1.28	8 (13%)	70,101,113	1.34	7 (10%)
29	CLA	6	604	6	64,68,73	1.19	7 (10%)	76,107,113	1.32	5 (6%)
31	II0	4	614	-	39,43,43	2.04	2 (5%)	48,60,60	1.61	9 (18%)
29	CLA	9	305	-	59,63,73	1.26	8 (13%)	70,101,113	1.36	5 (7%)
34	LHG	5	619	29	22,22,48	0.85	0	25,28,54	1.32	2 (8%)
29	CLA	7	312	7	54,58,73	1.31	8 (14%)	64,95,113	1.43	7 (10%)
29	CLA	6	605	6	59,63,73	1.26	8 (13%)	70,101,113	1.34	6 (8%)
30	KC2	b	609	25	49,53,53	1.76	10 (20%)	60,89,89	1.91	15 (25%)
29	CLA	B	808	11	69,73,73	1.15	9 (13%)	82,113,113	1.42	7 (8%)
34	LHG	e	617	29	27,27,48	0.86	2 (7%)	30,33,54	1.27	2 (6%)
29	CLA	Z	302	-	64,68,73	1.21	8 (12%)	76,107,113	1.29	5 (6%)
29	CLA	A	817	10	69,73,73	1.16	8 (11%)	82,113,113	1.24	7 (8%)
29	CLA	d	609	-	45,49,73	1.41	8 (17%)	54,84,113	1.49	5 (9%)
29	CLA	d	604	24	64,68,73	1.21	8 (12%)	76,107,113	1.28	5 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
29	CLA	A	810	10	69,73,73	1.17	7 (10%)	82,113,113	1.31	6 (7%)
31	II0	c	621	29	39,43,43	2.15	3 (7%)	48,60,60	1.66	12 (25%)
29	CLA	a	603	24	64,68,73	1.21	7 (10%)	76,107,113	1.27	4 (5%)
37	8CT	K	103	-	40,41,41	4.76	23 (57%)	51,56,56	2.70	22 (43%)
29	CLA	B	811	11	64,68,73	1.20	8 (12%)	76,107,113	1.21	5 (6%)
31	II0	R	204	-	39,43,43	2.23	4 (10%)	48,60,60	1.58	7 (14%)
29	CLA	4	607	4	64,68,73	1.21	9 (14%)	76,107,113	1.31	7 (9%)
29	CLA	c	602	26	69,73,73	1.15	8 (11%)	82,113,113	1.24	6 (7%)
29	CLA	A	835	10	64,68,73	1.19	9 (14%)	76,107,113	1.34	9 (11%)
31	II0	8	311	-	39,43,43	2.03	2 (5%)	48,60,60	1.64	12 (25%)
29	CLA	1	603	1	56,60,73	1.29	7 (12%)	65,97,113	1.40	7 (10%)
36	SQD	a	618	-	40,42,54	1.72	8 (20%)	50,53,65	1.41	5 (10%)
29	CLA	R	202	22	59,63,73	1.27	9 (15%)	70,101,113	1.45	8 (11%)
33	IHT	L	204	-	40,42,42	1.67	4 (10%)	52,58,58	1.87	16 (30%)
29	CLA	A	804	10	69,73,73	1.16	7 (10%)	82,113,113	1.33	6 (7%)
29	CLA	2	608	2	64,68,73	1.20	9 (14%)	76,107,113	1.31	6 (7%)
29	CLA	e	606	27	64,68,73	1.20	8 (12%)	76,107,113	1.31	7 (9%)
29	CLA	4	610	4	69,73,73	1.16	7 (10%)	82,113,113	1.33	6 (7%)
30	KC2	e	605	27	49,53,53	1.75	9 (18%)	60,89,89	1.88	15 (25%)
29	CLA	1	607	1	49,53,73	1.39	8 (16%)	58,89,113	1.41	4 (6%)
31	II0	b	612	-	39,43,43	2.05	2 (5%)	48,60,60	1.48	8 (16%)
29	CLA	A	838	10	69,73,73	1.16	9 (13%)	82,113,113	1.29	8 (9%)
29	CLA	9	310	-	45,49,73	1.42	8 (17%)	54,84,113	1.52	5 (9%)
29	CLA	5	606	5	49,53,73	1.39	8 (16%)	58,89,113	1.36	4 (6%)
40	PQN	A	849	-	34,34,34	1.61	2 (5%)	43,45,45	1.29	6 (13%)
36	SQD	9	301	-	28,30,54	1.90	7 (25%)	38,41,65	1.52	6 (15%)
29	CLA	3	306	3,29	59,63,73	1.25	7 (11%)	70,101,113	1.33	6 (8%)
29	CLA	a	609	34	64,68,73	1.21	9 (14%)	76,107,113	1.30	6 (7%)
29	CLA	8	302	8	69,73,73	1.17	8 (11%)	82,113,113	1.24	6 (7%)
29	CLA	B	829	11	69,73,73	1.19	6 (8%)	82,113,113	1.32	5 (6%)
29	CLA	A	836	10	59,63,73	1.26	8 (13%)	70,101,113	1.27	5 (7%)
34	LHG	8	316	-	48,48,48	0.61	0	51,54,54	1.27	6 (11%)
29	CLA	A	823	-	69,73,73	1.16	9 (13%)	82,113,113	1.28	8 (9%)
38	DGD	9	322	-	61,61,67	0.95	2 (3%)	75,75,81	1.36	10 (13%)
34	LHG	4	618	-	48,48,48	0.58	0	51,54,54	1.29	6 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
29	CLA	b	604	25	62,66,73	1.22	9 (14%)	73,104,113	1.38	6 (8%)
29	CLA	5	613	5	45,49,73	1.43	8 (17%)	54,84,113	1.44	5 (9%)
33	IHT	K	104	-	40,42,42	1.73	3 (7%)	52,58,58	1.73	12 (23%)
31	II0	a	615	-	39,43,43	2.15	3 (7%)	48,60,60	1.54	8 (16%)
34	LHG	c	623	-	34,34,48	0.75	1 (2%)	37,40,54	1.34	5 (13%)
29	CLA	B	804	11	49,53,73	1.37	8 (16%)	58,89,113	1.50	7 (12%)
29	CLA	4	609	4	64,68,73	1.21	8 (12%)	76,107,113	1.32	4 (5%)
29	CLA	8	303	8	69,73,73	1.16	8 (11%)	82,113,113	1.22	5 (6%)
29	CLA	d	612	24	67,71,73	1.19	7 (10%)	79,110,113	1.30	6 (7%)
29	CLA	J	103	17	45,49,73	1.41	8 (17%)	54,84,113	1.47	5 (9%)
34	LHG	M	102	-	23,23,48	0.95	2 (8%)	26,28,54	1.82	3 (11%)
37	8CT	e	616	-	40,41,41	1.37	4 (10%)	51,56,56	1.44	11 (21%)
31	II0	7	316	-	39,43,43	2.08	2 (5%)	48,60,60	1.80	12 (25%)
29	CLA	B	817	11	63,67,73	1.22	8 (12%)	74,105,113	1.29	5 (6%)
29	CLA	F	201	-	49,53,73	1.36	8 (16%)	58,89,113	1.44	6 (10%)
29	CLA	b	607	25	64,68,73	1.21	8 (12%)	76,107,113	1.31	6 (7%)
29	CLA	9	309	9	59,63,73	1.26	8 (13%)	70,101,113	1.34	4 (5%)
31	II0	a	613	-	39,43,43	2.13	3 (7%)	48,60,60	1.62	12 (25%)
29	CLA	B	806	11	69,73,73	1.16	9 (13%)	82,113,113	1.26	7 (8%)
29	CLA	d	605	24	49,53,73	1.38	8 (16%)	58,89,113	1.42	5 (8%)
29	CLA	A	806	10	69,73,73	1.14	7 (10%)	82,113,113	1.27	5 (6%)
34	LHG	L	208	-	33,33,48	0.74	0	36,39,54	1.28	4 (11%)
29	CLA	b	601	25	49,53,73	1.39	8 (16%)	58,89,113	1.44	4 (6%)
31	II0	9	318	-	39,43,43	2.17	2 (5%)	48,60,60	1.71	13 (27%)
29	CLA	8	317	-	69,73,73	1.16	8 (11%)	82,113,113	1.25	4 (4%)
29	CLA	A	814	-	49,53,73	1.35	8 (16%)	58,89,113	1.48	5 (8%)
34	LHG	Z	311	-	45,45,48	0.64	2 (4%)	48,51,54	1.24	4 (8%)
29	CLA	B	816	11	69,73,73	1.15	8 (11%)	82,113,113	1.28	8 (9%)
29	CLA	A	820	10	69,73,73	1.16	9 (13%)	82,113,113	1.32	8 (9%)
29	CLA	6	611	-	59,63,73	1.26	8 (13%)	70,101,113	1.39	6 (8%)
29	CLA	6	612	6	49,53,73	1.39	8 (16%)	58,89,113	1.37	4 (6%)
31	II0	5	614	-	39,43,43	1.99	2 (5%)	48,60,60	1.69	14 (29%)
29	CLA	c	612	26	59,63,73	1.28	8 (13%)	70,101,113	1.33	5 (7%)
32	II3	8	312	-	40,43,43	1.55	1 (2%)	47,60,60	1.98	14 (29%)
29	CLA	6	602	6	69,73,73	1.15	7 (10%)	82,113,113	1.27	6 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
34	LHG	L	207	-	32,32,48	0.72	1 (3%)	35,37,54	1.38	5 (14%)
29	CLA	8	304	8	54,58,73	1.30	8 (14%)	64,95,113	1.39	7 (10%)
29	CLA	b	603	25	64,68,73	1.21	6 (9%)	76,107,113	1.29	7 (9%)
37	8CT	Z	308	-	40,41,41	4.76	23 (57%)	51,56,56	2.85	21 (41%)
30	KC2	d	610	24	49,53,53	1.73	10 (20%)	60,89,89	1.91	16 (26%)
33	IHT	9	320	-	40,42,42	1.61	3 (7%)	52,58,58	2.06	14 (26%)
29	CLA	d	603	24	54,58,73	1.31	7 (12%)	64,95,113	1.36	6 (9%)
29	CLA	8	305	8	59,63,73	1.26	8 (13%)	70,101,113	1.37	6 (8%)
29	CLA	c	604	26	64,68,73	1.22	8 (12%)	76,107,113	1.29	5 (6%)
29	CLA	8	307	8	45,49,73	1.42	9 (20%)	54,84,113	1.50	5 (9%)
29	CLA	A	809	29,10	64,68,73	1.19	7 (10%)	76,107,113	1.23	5 (6%)
32	II3	1	615	-	40,43,43	1.54	2 (5%)	47,60,60	1.82	9 (19%)
29	CLA	d	607	24	69,73,73	1.17	8 (11%)	82,113,113	1.29	6 (7%)
29	CLA	9	313	9	49,53,73	1.39	8 (16%)	58,89,113	1.36	4 (6%)
29	CLA	B	830	11	49,53,73	1.36	8 (16%)	58,89,113	1.41	5 (8%)
29	CLA	B	814	11	60,64,73	1.25	8 (13%)	71,102,113	1.36	4 (5%)
29	CLA	A	840	-	69,73,73	1.17	9 (13%)	82,113,113	1.36	9 (10%)
34	LHG	2	619	-	38,38,48	0.70	1 (2%)	41,44,54	1.31	5 (12%)
29	CLA	4	608	34	69,73,73	1.16	8 (11%)	82,113,113	1.28	7 (8%)
31	II0	2	615	-	39,43,43	2.09	3 (7%)	48,60,60	1.55	13 (27%)
31	II0	3	314	-	39,43,43	1.98	2 (5%)	48,60,60	1.51	7 (14%)
29	CLA	b	608	34	69,73,73	1.17	7 (10%)	82,113,113	1.25	5 (6%)
29	CLA	6	608	6	64,68,73	1.20	9 (14%)	76,107,113	1.30	6 (7%)
29	CLA	7	304	7	59,63,73	1.25	8 (13%)	70,101,113	1.34	5 (7%)
29	CLA	d	611	-	54,58,73	1.32	8 (14%)	64,95,113	1.37	6 (9%)
29	CLA	7	309	34	45,49,73	1.41	8 (17%)	54,84,113	1.47	5 (9%)
29	CLA	A	824	-	69,73,73	1.15	8 (11%)	82,113,113	1.29	6 (7%)
36	SQD	3	322	-	34,36,54	1.78	7 (20%)	44,47,65	1.50	7 (15%)
29	CLA	B	803	11	69,73,73	1.15	7 (10%)	82,113,113	1.35	5 (6%)
30	KC2	b	605	25	49,53,53	1.74	9 (18%)	60,89,89	1.87	14 (23%)
30	KC2	c	611	30,26	49,53,53	1.74	9 (18%)	60,89,89	1.81	12 (20%)
29	CLA	A	843	-	69,73,73	1.16	8 (11%)	82,113,113	1.20	6 (7%)
31	II0	c	618	-	39,43,43	2.09	2 (5%)	48,60,60	1.52	8 (16%)
34	LHG	Z	309	-	39,39,48	0.65	1 (2%)	42,44,54	1.37	6 (14%)
34	LHG	9	321	-	35,35,48	0.80	2 (5%)	38,40,54	1.64	5 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
31	II0	5	620	-	39,43,43	2.11	2 (5%)	48,60,60	1.83	10 (20%)
31	II0	4	613	-	39,43,43	2.02	2 (5%)	48,60,60	1.52	9 (18%)
34	LHG	7	319	29	38,38,48	0.67	1 (2%)	41,44,54	1.20	3 (7%)
39	SF4	C	102	12	0,12,12	-	-	-		
31	II0	1	614	-	39,43,43	1.97	2 (5%)	48,60,60	1.49	7 (14%)
31	II0	1	616	-	39,43,43	2.08	2 (5%)	48,60,60	1.90	12 (25%)
29	CLA	b	606	25	69,73,73	1.15	9 (13%)	82,113,113	1.39	9 (10%)
29	CLA	A	821	10	59,63,73	1.26	8 (13%)	70,101,113	1.34	7 (10%)
29	CLA	d	606	24	45,49,73	1.42	8 (17%)	54,84,113	1.39	6 (11%)
34	LHG	J	101	30	33,33,48	0.75	1 (3%)	36,39,54	1.29	3 (8%)
29	CLA	c	607	26	69,73,73	1.18	9 (13%)	82,113,113	1.30	4 (4%)
34	LHG	3	321	-	48,48,48	0.61	1 (2%)	51,54,54	1.29	6 (11%)
30	KC2	7	313	-	49,53,53	1.74	8 (16%)	60,89,89	1.83	15 (25%)
29	CLA	1	606	1	49,53,73	1.38	8 (16%)	58,89,113	1.37	4 (6%)
29	CLA	8	308	-	69,73,73	1.15	8 (11%)	82,113,113	1.23	6 (7%)
38	DGD	B	849	-	60,60,67	0.93	2 (3%)	74,74,81	1.38	9 (12%)
29	CLA	3	310	35	69,73,73	1.17	7 (10%)	82,113,113	1.28	6 (7%)
39	SF4	C	101	12	0,12,12	-	-	-		
29	CLA	B	840	34	69,73,73	1.15	8 (11%)	82,113,113	1.29	8 (9%)
29	CLA	B	828	11	69,73,73	1.15	8 (11%)	82,113,113	1.18	6 (7%)
29	CLA	A	828	10	69,73,73	1.15	9 (13%)	82,113,113	1.23	6 (7%)
30	KC2	1	610	1	49,53,53	1.74	10 (20%)	60,89,89	1.90	15 (25%)
29	CLA	5	607	5	49,53,73	1.40	7 (14%)	58,89,113	1.45	4 (6%)
29	CLA	B	832	11	59,63,73	1.24	8 (13%)	70,101,113	1.46	9 (12%)
29	CLA	c	601	26	49,53,73	1.39	8 (16%)	58,89,113	1.43	4 (6%)
29	CLA	c	609	34	45,49,73	1.41	8 (17%)	54,84,113	1.48	6 (11%)
29	CLA	A	827	10	69,73,73	1.16	7 (10%)	82,113,113	1.22	8 (9%)
29	CLA	5	609	34	45,49,73	1.40	8 (17%)	54,84,113	1.50	5 (9%)
31	II0	e	614	-	39,43,43	2.12	3 (7%)	48,60,60	1.64	8 (16%)
29	CLA	3	302	3	49,53,73	1.38	8 (16%)	58,89,113	1.41	5 (8%)
29	CLA	2	605	2	64,68,73	1.20	9 (14%)	76,107,113	1.33	4 (5%)
30	KC2	Z	306	23	49,53,53	1.73	9 (18%)	60,89,89	1.91	16 (26%)
31	II0	5	615	-	39,43,43	2.10	3 (7%)	48,60,60	1.75	9 (18%)
33	IHT	8	309	-	40,42,42	1.60	2 (5%)	52,58,58	2.12	19 (36%)
29	CLA	6	606	6	59,63,73	1.26	8 (13%)	70,101,113	1.31	5 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
29	CLA	1	605	1	45,50,73	1.43	8 (17%)	52,85,113	1.35	4 (7%)
29	CLA	a	604	24	64,68,73	1.21	9 (14%)	76,107,113	1.35	5 (6%)
29	CLA	a	607	24	69,73,73	1.17	8 (11%)	82,113,113	1.26	7 (8%)
29	CLA	7	308	7	59,63,73	1.25	9 (15%)	70,101,113	1.37	7 (10%)
29	CLA	Z	304	23	54,58,73	1.33	8 (14%)	64,95,113	1.37	5 (7%)
29	CLA	a	605	24	59,63,73	1.27	8 (13%)	70,101,113	1.30	6 (8%)
31	II0	5	616	-	39,43,43	2.09	2 (5%)	48,60,60	1.75	14 (29%)
29	CLA	A	813	10	46,50,73	1.38	8 (17%)	53,85,113	1.44	4 (7%)
29	CLA	8	301	8	49,53,73	1.37	8 (16%)	58,89,113	1.43	4 (6%)
33	IHT	1	618	-	40,42,42	1.55	2 (5%)	52,58,58	2.13	17 (32%)
31	II0	c	619	-	39,43,43	2.15	2 (5%)	48,60,60	1.67	9 (18%)
29	CLA	3	311	3	69,73,73	1.16	8 (11%)	82,113,113	1.26	6 (7%)
29	CLA	7	302	7	49,53,73	1.38	8 (16%)	58,89,113	1.44	4 (6%)
34	LHG	5	621	29	34,34,48	0.75	2 (5%)	37,40,54	1.27	4 (10%)
29	CLA	A	829	10	54,58,73	1.30	8 (14%)	64,95,113	1.42	6 (9%)
31	II0	7	301	-	39,43,43	2.03	2 (5%)	48,60,60	1.60	9 (18%)
36	SQD	B	850	-	31,33,54	1.87	9 (29%)	41,44,65	1.60	8 (19%)
29	CLA	A	803	10	69,73,73	1.15	7 (10%)	82,113,113	1.38	6 (7%)
37	8CT	A	844	-	40,41,41	4.71	23 (57%)	51,56,56	2.95	21 (41%)
34	LHG	7	320	-	30,30,48	0.78	2 (6%)	33,36,54	1.22	3 (9%)
31	II0	2	614	-	39,43,43	2.00	2 (5%)	48,60,60	1.55	8 (16%)
29	CLA	c	615	-	59,63,73	1.27	8 (13%)	70,101,113	1.33	6 (8%)
29	CLA	B	827	11	69,73,73	1.15	7 (10%)	82,113,113	1.25	5 (6%)
29	CLA	O	201	34	59,63,73	1.26	8 (13%)	70,101,113	1.36	7 (10%)
29	CLA	B	809	11	69,73,73	1.16	8 (11%)	82,113,113	1.35	8 (9%)
29	CLA	3	304	3	64,68,73	1.20	7 (10%)	76,107,113	1.24	8 (10%)
37	8CT	M	101	-	40,41,41	4.75	23 (57%)	51,56,56	3.03	20 (39%)
29	CLA	3	312	3	54,58,73	1.31	8 (14%)	64,95,113	1.48	6 (9%)
31	II0	9	317	-	39,43,43	2.09	3 (7%)	48,60,60	1.60	10 (20%)
34	LHG	2	617	29	21,21,48	0.79	1 (4%)	23,26,54	1.30	2 (8%)
29	CLA	2	602	2	63,67,73	1.20	8 (12%)	74,105,113	1.36	7 (9%)
29	CLA	4	611	4	69,73,73	1.16	7 (10%)	82,113,113	1.29	7 (8%)
31	II0	a	619	-	39,43,43	2.16	3 (7%)	48,60,60	1.64	9 (18%)
37	8CT	B	846	-	40,41,41	4.75	23 (57%)	51,56,56	2.83	19 (37%)
29	CLA	e	602	27	59,63,73	1.25	8 (13%)	70,101,113	1.36	8 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
29	CLA	A	831	10	69,73,73	1.15	8 (11%)	82,113,113	1.26	5 (6%)
29	CLA	1	602	1	63,67,73	1.20	7 (11%)	74,105,113	1.32	8 (10%)
31	II0	d	613	-	39,43,43	2.09	3 (7%)	48,60,60	1.56	7 (14%)
29	CLA	B	807	11	69,73,73	1.15	8 (11%)	82,113,113	1.29	6 (7%)
29	CLA	4	603	4	58,62,73	1.25	7 (12%)	68,99,113	1.38	9 (13%)
29	CLA	e	603	27	54,58,73	1.31	8 (14%)	64,95,113	1.40	8 (12%)
35	LMG	8	314	-	52,52,55	0.78	1 (1%)	60,60,63	1.36	7 (11%)
29	CLA	1	608	1	64,68,73	1.21	8 (12%)	76,107,113	1.33	7 (9%)
29	CLA	2	604	2	59,63,73	1.26	8 (13%)	70,101,113	1.44	6 (8%)
37	8CT	Z	307	-	40,41,41	4.82	23 (57%)	51,56,56	2.36	22 (43%)
29	CLA	4	601	4	59,63,73	1.26	8 (13%)	70,101,113	1.38	8 (11%)
29	CLA	9	315	-	45,49,73	1.42	8 (17%)	54,84,113	1.49	5 (9%)
29	CLA	L	201	19	55,59,73	1.29	8 (14%)	64,96,113	1.41	5 (7%)
29	CLA	A	808	10	59,63,73	1.24	8 (13%)	70,101,113	1.34	7 (10%)
29	CLA	e	604	-	64,68,73	1.21	8 (12%)	76,107,113	1.35	6 (7%)
37	8CT	7	318	-	40,41,41	1.34	6 (15%)	51,56,56	1.59	11 (21%)
29	CLA	9	303	9	59,63,73	1.25	7 (11%)	70,101,113	1.35	6 (8%)
31	II0	3	317	-	39,43,43	2.05	2 (5%)	48,60,60	1.50	7 (14%)
29	CLA	e	607	27	49,53,73	1.38	8 (16%)	58,89,113	1.43	5 (8%)
29	CLA	6	601	6	49,53,73	1.39	8 (16%)	58,89,113	1.41	5 (8%)
34	LHG	4	619	29	44,44,48	0.64	1 (2%)	47,50,54	1.28	5 (10%)
29	CLA	A	805	10	54,58,73	1.31	8 (14%)	64,95,113	1.35	6 (9%)
29	CLA	O	203	21	59,63,73	1.26	9 (15%)	70,101,113	1.36	6 (8%)
30	KC2	c	610	26	49,53,53	1.74	10 (20%)	60,89,89	1.90	17 (28%)
29	CLA	B	815	11	46,50,73	1.37	8 (17%)	53,85,113	1.40	4 (7%)
35	LMG	Z	310	-	48,48,55	0.78	2 (4%)	56,56,63	1.39	9 (16%)
29	CLA	a	608	24	64,68,73	1.20	7 (10%)	76,107,113	1.32	8 (10%)
29	CLA	a	612	24	69,73,73	1.17	7 (10%)	82,113,113	1.25	8 (9%)
29	CLA	A	811	10	69,73,73	1.18	9 (13%)	82,113,113	1.27	6 (7%)
34	LHG	O	208	-	39,39,48	0.76	2 (5%)	42,44,54	1.61	7 (16%)
31	II0	6	615	-	39,43,43	2.08	2 (5%)	48,60,60	1.66	9 (18%)
37	8CT	A	846	-	40,41,41	4.73	23 (57%)	51,56,56	3.02	20 (39%)
29	CLA	e	610	-	55,59,73	1.31	8 (14%)	64,96,113	1.37	6 (9%)
31	II0	O	205	-	39,43,43	2.19	2 (5%)	48,60,60	1.56	10 (20%)
37	8CT	B	847	-	40,41,41	4.73	23 (57%)	51,56,56	2.89	26 (50%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
29	CLA	B	802	-	59,63,73	1.24	7 (11%)	70,101,113	1.29	7 (10%)
29	CLA	B	826	11	69,73,73	1.15	9 (13%)	82,113,113	1.31	9 (10%)
29	CLA	d	601	24	49,53,73	1.39	8 (16%)	58,89,113	1.41	4 (6%)
37	8CT	F	203	-	40,41,41	4.75	23 (57%)	51,56,56	3.05	21 (41%)
31	II0	e	615	-	39,43,43	2.11	3 (7%)	48,60,60	1.55	9 (18%)
29	CLA	e	611	27	69,73,73	1.18	8 (11%)	82,113,113	1.28	6 (7%)
35	LMG	3	319	29	30,30,55	1.04	1 (3%)	38,38,63	1.23	5 (13%)
31	II0	8	310	-	39,43,43	2.06	2 (5%)	48,60,60	1.66	12 (25%)
29	CLA	O	202	-	45,49,73	1.40	7 (15%)	54,84,113	1.50	6 (11%)
29	CLA	B	805	11	69,73,73	1.14	7 (10%)	82,113,113	1.30	7 (8%)
34	LHG	A	851	29	38,38,48	0.70	1 (2%)	41,44,54	1.33	5 (12%)
37	8CT	A	845	-	40,41,41	4.76	23 (57%)	51,56,56	2.65	23 (45%)
31	II0	c	616	-	39,43,43	2.09	3 (7%)	48,60,60	1.54	10 (20%)
34	LHG	b	616	29	29,29,48	0.74	1 (3%)	32,35,54	1.26	3 (9%)
29	CLA	1	612	1	64,68,73	1.22	7 (10%)	76,107,113	1.28	5 (6%)
29	CLA	B	834	-	49,53,73	1.38	8 (16%)	58,89,113	1.46	5 (8%)
35	LMG	X	302	-	34,34,55	0.93	0	42,42,63	1.23	5 (11%)
29	CLA	A	833	10	69,73,73	1.16	7 (10%)	82,113,113	1.23	4 (4%)
34	LHG	4	617	29	48,48,48	0.66	1 (2%)	51,54,54	1.35	8 (15%)
29	CLA	A	855	-	64,68,73	1.21	7 (10%)	76,107,113	1.30	5 (6%)
29	CLA	4	602	4	63,67,73	1.20	7 (11%)	74,105,113	1.30	7 (9%)
37	8CT	B	852	-	40,41,41	4.72	23 (57%)	51,56,56	3.05	23 (45%)
29	CLA	5	602	5	59,63,73	1.24	9 (15%)	70,101,113	1.34	5 (7%)
37	8CT	J	104	-	40,41,41	4.74	23 (57%)	51,56,56	2.85	24 (47%)
29	CLA	2	609	34	45,49,73	1.41	8 (17%)	54,84,113	1.49	5 (9%)
34	LHG	3	301	29	41,41,48	0.67	1 (2%)	44,47,54	1.25	4 (9%)
29	CLA	b	610	25	55,59,73	1.30	7 (12%)	64,96,113	1.41	5 (7%)
29	CLA	a	611	-	59,63,73	1.25	9 (15%)	70,101,113	1.35	6 (8%)
29	CLA	Z	305	23	64,68,73	1.21	9 (14%)	76,107,113	1.27	5 (6%)
29	CLA	B	838	-	69,73,73	1.15	8 (11%)	82,113,113	1.27	6 (7%)
31	II0	9	316	-	39,43,43	2.13	3 (7%)	48,60,60	1.61	10 (20%)
29	CLA	5	603	5	49,53,73	1.39	7 (14%)	58,89,113	1.38	4 (6%)
36	SQD	3	320	-	34,36,54	1.77	7 (20%)	44,47,65	1.40	6 (13%)
34	LHG	8	315	-	32,32,48	0.76	2 (6%)	35,38,54	1.25	3 (8%)
29	CLA	7	311	-	59,63,73	1.26	7 (11%)	70,101,113	1.34	6 (8%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
29	CLA	A	822	10	69,73,73	1.16	9 (13%)	82,113,113	1.23	4 (4%)
29	CLA	4	604	-	59,63,73	1.27	8 (13%)	70,101,113	1.39	7 (10%)
34	LHG	a	617	29	26,26,48	0.81	1 (3%)	29,32,54	1.33	3 (10%)
29	CLA	A	830	10	64,68,73	1.20	9 (14%)	76,107,113	1.29	9 (11%)
37	8CT	B	845	-	40,41,41	4.81	23 (57%)	51,56,56	2.52	19 (37%)
31	II0	4	612	-	39,43,43	1.99	2 (5%)	48,60,60	1.52	7 (14%)
35	LMG	F	204	-	32,32,55	0.94	2 (6%)	40,40,63	1.36	6 (15%)
29	CLA	B	824	-	69,73,73	1.16	9 (13%)	82,113,113	1.28	4 (4%)
31	II0	3	316	-	39,43,43	2.10	2 (5%)	48,60,60	1.99	13 (27%)
29	CLA	c	613	26	49,53,73	1.40	8 (16%)	58,89,113	1.43	4 (6%)
29	CLA	1	611	1	49,53,73	1.38	8 (16%)	58,89,113	1.47	4 (6%)
29	CLA	A	832	10	69,73,73	1.15	8 (11%)	82,113,113	1.26	6 (7%)
33	IHT	2	616	-	40,42,42	1.58	2 (5%)	52,58,58	2.03	15 (28%)
31	II0	8	313	-	39,43,43	2.10	3 (7%)	48,60,60	1.32	5 (10%)
29	CLA	A	837	10	69,73,73	1.18	8 (11%)	82,113,113	1.36	7 (8%)
29	CLA	F	202	15	59,63,73	1.25	8 (13%)	70,101,113	1.34	6 (8%)
31	II0	1	617	-	39,43,43	2.09	2 (5%)	48,60,60	1.67	12 (25%)
40	PQN	B	842	-	34,34,34	1.60	2 (5%)	43,45,45	1.16	5 (11%)
31	II0	b	614	-	39,43,43	2.14	3 (7%)	48,60,60	1.50	10 (20%)
31	II0	9	319	-	39,43,43	2.11	2 (5%)	48,60,60	1.48	10 (20%)
33	IHT	5	618	-	40,42,42	1.53	2 (5%)	52,58,58	1.91	11 (21%)
29	CLA	c	606	26	69,73,73	1.18	8 (11%)	82,113,113	1.23	5 (6%)
29	CLA	c	603	31,26	69,73,73	1.17	7 (10%)	82,113,113	1.24	8 (9%)
33	IHT	d	617	-	40,42,42	1.62	3 (7%)	52,58,58	1.92	15 (28%)
32	II3	e	613	-	40,43,43	1.57	2 (5%)	47,60,60	1.90	11 (23%)
29	CLA	5	604	5	59,63,73	1.24	8 (13%)	70,101,113	1.35	7 (10%)
31	II0	2	613	-	39,43,43	2.03	2 (5%)	48,60,60	1.59	9 (18%)
34	LHG	A	850	-	48,48,48	0.63	1 (2%)	51,54,54	1.27	5 (9%)
29	CLA	A	807	10	54,58,73	1.29	7 (12%)	64,95,113	1.47	7 (10%)
29	CLA	A	841	10	69,73,73	1.17	9 (13%)	82,113,113	1.29	6 (7%)
29	CLA	B	822	11	64,68,73	1.19	8 (12%)	76,107,113	1.29	6 (7%)
29	CLA	Z	303	23,29	59,63,73	1.26	8 (13%)	70,101,113	1.32	5 (7%)
29	CLA	c	605	26	49,53,73	1.38	8 (16%)	58,89,113	1.41	4 (6%)
29	CLA	3	308	3	64,68,73	1.22	9 (14%)	76,107,113	1.38	5 (6%)
29	CLA	9	306	9	49,53,73	1.39	8 (16%)	58,89,113	1.34	4 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
30	KC2	4	605	4	49,53,53	1.74	9 (18%)	60,89,89	1.85	14 (23%)
29	CLA	B	823	11	69,73,73	1.16	9 (13%)	82,113,113	1.25	5 (6%)
29	CLA	b	611	25	59,63,73	1.25	8 (13%)	70,101,113	1.35	6 (8%)
31	II0	6	614	-	39,43,43	2.02	2 (5%)	48,60,60	1.59	11 (22%)
29	CLA	1	604	1	49,53,73	1.38	7 (14%)	58,89,113	1.47	5 (8%)
29	CLA	a	606	24	69,73,73	1.18	9 (13%)	82,113,113	1.19	5 (6%)
29	CLA	2	612	2	49,53,73	1.39	8 (16%)	58,89,113	1.44	5 (8%)
33	IHT	c	620	-	40,42,42	1.71	2 (5%)	52,58,58	1.97	15 (28%)
37	8CT	R	203	-	40,41,41	4.75	23 (57%)	51,56,56	3.03	23 (45%)
29	CLA	6	607	6	59,63,73	1.29	7 (11%)	70,101,113	1.30	5 (7%)
29	CLA	3	313	3	49,53,73	1.38	8 (16%)	58,89,113	1.46	4 (6%)
29	CLA	e	608	34	45,49,73	1.42	8 (17%)	54,84,113	1.45	6 (11%)
33	IHT	Z	301	-	40,42,42	1.54	1 (2%)	52,58,58	2.21	15 (28%)
29	CLA	B	812	11	59,63,73	1.25	9 (15%)	70,101,113	1.34	6 (8%)
30	KC2	e	609	27	49,53,53	1.73	9 (18%)	60,89,89	1.88	15 (25%)
29	CLA	9	314	9	49,53,73	1.39	8 (16%)	58,89,113	1.43	4 (6%)
29	CLA	K	102	18	59,63,73	1.27	9 (15%)	70,101,113	1.30	4 (5%)
30	KC2	2	610	2	49,53,53	1.75	10 (20%)	60,89,89	1.93	16 (26%)
31	II0	3	315	-	39,43,43	1.98	2 (5%)	48,60,60	1.45	8 (16%)
30	KC2	7	310	7	49,53,53	1.72	9 (18%)	60,89,89	1.90	15 (25%)
29	CLA	A	802	29,10	59,63,73	1.25	8 (13%)	70,101,113	1.30	5 (7%)
29	CLA	L	202	19	64,68,73	1.18	7 (10%)	76,107,113	1.34	7 (9%)
31	II0	7	314	-	39,43,43	1.99	2 (5%)	48,60,60	1.60	10 (20%)
29	CLA	A	826	10	69,73,73	1.16	6 (8%)	82,113,113	1.22	6 (7%)
29	CLA	9	312	9	45,49,73	1.41	8 (17%)	54,84,113	1.48	5 (9%)
31	II0	7	317	-	39,43,43	2.11	2 (5%)	48,60,60	1.61	11 (22%)
37	8CT	B	848	-	40,41,41	4.81	23 (57%)	51,56,56	2.67	19 (37%)
37	8CT	4	616	-	40,41,41	1.35	8 (20%)	51,56,56	1.60	11 (21%)
29	CLA	1	601	1	49,53,73	1.40	7 (14%)	58,89,113	1.49	5 (8%)
29	CLA	B	820	11	64,68,73	1.21	8 (12%)	76,107,113	1.29	7 (9%)
29	CLA	a	601	24	49,53,73	1.40	9 (18%)	58,89,113	1.39	4 (6%)
29	CLA	A	818	10	69,73,73	1.16	8 (11%)	82,113,113	1.28	5 (6%)
29	CLA	B	831	11	64,68,73	1.18	7 (10%)	76,107,113	1.25	7 (9%)
29	CLA	7	306	7	49,53,73	1.39	8 (16%)	58,89,113	1.42	4 (6%)
31	II0	3	318	-	39,43,43	2.05	2 (5%)	48,60,60	1.54	10 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
29	CLA	6	603	6	49,53,73	1.38	8 (16%)	58,89,113	1.41	6 (10%)
29	CLA	B	825	-	64,68,73	1.20	9 (14%)	76,107,113	1.32	9 (11%)
31	II0	d	615	-	39,43,43	2.18	2 (5%)	48,60,60	1.62	8 (16%)
29	CLA	B	835	11	59,63,73	1.25	8 (13%)	70,101,113	1.31	8 (11%)
30	KC2	6	613	6	49,53,53	1.74	10 (20%)	60,89,89	1.89	15 (25%)
29	CLA	B	810	11	69,73,73	1.17	8 (11%)	82,113,113	1.29	6 (7%)
31	II0	7	315	-	39,43,43	1.98	2 (5%)	48,60,60	1.52	8 (16%)
29	CLA	9	307	9	61,65,73	1.24	7 (11%)	72,103,113	1.25	7 (9%)
37	8CT	I	101	-	40,41,41	4.79	23 (57%)	51,56,56	2.68	21 (41%)
34	LHG	4	620	-	44,44,48	0.66	2 (4%)	47,50,54	1.25	4 (8%)
29	CLA	7	307	7	49,53,73	1.37	8 (16%)	58,89,113	1.49	4 (6%)
29	CLA	5	611	5	49,53,73	1.38	7 (14%)	58,89,113	1.42	4 (6%)
37	8CT	b	615	-	40,41,41	1.42	4 (10%)	51,56,56	1.41	10 (19%)
30	KC2	c	614	30	49,53,53	1.79	8 (16%)	60,89,89	1.75	14 (23%)
37	8CT	B	851	-	40,41,41	4.77	23 (57%)	51,56,56	2.93	19 (37%)
37	8CT	B	844	-	40,41,41	4.78	23 (57%)	51,56,56	2.94	19 (37%)
29	CLA	O	204	-	59,63,73	1.26	9 (15%)	70,101,113	1.33	7 (10%)
37	8CT	L	205	-	40,41,41	4.74	23 (57%)	51,56,56	2.90	22 (43%)
29	CLA	A	815	10	66,70,73	1.17	8 (12%)	78,109,113	1.30	7 (8%)
34	LHG	1	619	29	34,34,48	0.66	0	37,40,54	1.30	4 (10%)
29	CLA	a	602	24	59,63,73	1.25	9 (15%)	70,101,113	1.32	5 (7%)
29	CLA	B	839	11	69,73,73	1.15	7 (10%)	82,113,113	1.26	4 (4%)
29	CLA	9	304	9	49,53,73	1.38	9 (18%)	58,89,113	1.40	4 (6%)
29	CLA	A	839	-	69,73,73	1.17	8 (11%)	82,113,113	1.23	6 (7%)
33	IHT	6	616	-	40,42,42	1.52	1 (2%)	52,58,58	1.70	11 (21%)
36	SQD	O	207	-	27,29,54	1.93	7 (25%)	37,40,65	1.55	7 (18%)
29	CLA	3	309	3	64,68,73	1.21	9 (14%)	76,107,113	1.24	5 (6%)
29	CLA	6	609	34	45,49,73	1.41	8 (17%)	54,84,113	1.50	6 (11%)
29	CLA	A	834	10	59,63,73	1.25	7 (11%)	70,101,113	1.35	5 (7%)
29	CLA	X	301	-	56,60,73	1.29	8 (14%)	65,97,113	1.33	5 (7%)
39	SF4	A	848	10,11	0,12,12	-	-	-		
29	CLA	A	801	10	69,73,73	1.16	6 (8%)	82,113,113	1.30	7 (8%)
30	KC2	5	610	5	49,53,53	1.74	10 (20%)	60,89,89	1.90	15 (25%)
29	CLA	3	305	3	69,73,73	1.15	7 (10%)	82,113,113	1.27	6 (7%)
31	II0	O	206	-	39,43,43	2.10	2 (5%)	48,60,60	1.51	8 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
29	CLA	2	606	2	49,53,73	1.38	9 (18%)	58,89,113	1.41	4 (6%)
35	LMG	6	617	-	32,32,55	1.05	3 (9%)	40,40,63	1.28	6 (15%)
29	CLA	5	608	5	64,68,73	1.21	9 (14%)	76,107,113	1.31	6 (7%)
29	CLA	9	308	-	69,73,73	1.20	8 (11%)	82,113,113	1.27	6 (7%)
30	KC2	9	311	9	49,53,53	1.73	10 (20%)	60,89,89	1.87	15 (25%)
34	LHG	B	801	-	39,39,48	0.75	1 (2%)	42,44,54	1.62	5 (11%)
29	CLA	B	813	11	69,73,73	1.18	9 (13%)	82,113,113	1.24	7 (8%)
29	CLA	1	613	1	49,53,73	1.40	8 (16%)	58,89,113	1.42	5 (8%)
30	KC2	a	610	24	49,53,53	1.73	9 (18%)	60,89,89	1.91	15 (25%)
29	CLA	7	303	7	69,73,73	1.15	8 (11%)	82,113,113	1.29	8 (9%)
35	LMG	2	618	-	36,36,55	0.84	1 (2%)	44,44,63	1.36	7 (15%)
29	CLA	9	302	9	49,53,73	1.39	7 (14%)	58,89,113	1.43	4 (6%)
29	CLA	A	816	10	64,68,73	1.20	8 (12%)	76,107,113	1.32	6 (7%)
31	II0	5	617	-	39,43,43	2.08	2 (5%)	48,60,60	1.56	12 (25%)
37	8CT	A	847	-	40,41,41	4.72	23 (57%)	51,56,56	2.94	22 (43%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
29	CLA	K	101	-	1/1/15/20	8/39/115/115	-
29	CLA	2	603	2	1/1/12/20	6/21/97/115	-
29	CLA	A	819	-	1/1/15/20	5/39/115/115	-
29	CLA	A	842	10	1/1/15/20	12/39/115/115	-
31	II0	9	323	-	-	4/21/67/67	0/2/2/2
29	CLA	8	306	8	1/1/11/20	3/15/91/115	-
29	CLA	2	607	2	1/1/11/20	6/15/91/115	-
31	II0	4	615	-	-	3/21/67/67	0/2/2/2
31	II0	d	616	-	-	3/21/67/67	0/2/2/2
29	CLA	L	203	-	1/1/12/20	4/21/97/115	-
31	II0	e	612	-	-	6/21/67/67	0/2/2/2
34	LHG	c	622	29	-	13/23/23/53	-
29	CLA	1	609	34	1/1/10/20	4/10/86/115	-
29	CLA	c	608	26	1/1/14/20	8/33/109/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	II0	d	614	-	-	0/21/67/67	0/2/2/2
29	CLA	b	602	25	1/1/14/20	15/38/114/115	-
31	II0	c	617	-	-	1/21/67/67	0/2/2/2
33	IHT	a	616	-	-	4/25/65/65	0/2/2/2
31	II0	R	201	-	-	0/21/67/67	0/2/2/2
31	II0	1	620	-	-	5/21/67/67	0/2/2/2
31	II0	a	614	-	-	2/21/67/67	0/2/2/2
30	KC2	6	610	6	-	10/15/71/71	-
29	CLA	B	833	-	1/1/15/20	12/39/115/115	-
29	CLA	B	818	11	1/1/14/20	4/33/109/115	-
29	CLA	B	836	11	1/1/15/20	11/39/115/115	-
29	CLA	7	305	7	1/1/12/20	5/25/101/115	-
36	SQD	7	321	-	-	15/31/51/69	0/1/1/1
29	CLA	5	605	5	1/1/11/20	5/15/91/115	-
29	CLA	B	819	-	1/1/14/20	6/33/109/115	-
37	8CT	B	843	-	-	11/29/63/63	0/2/2/2
29	CLA	A	825	10	-	13/39/115/115	-
32	II3	b	613	-	-	2/25/67/67	0/2/2/2
34	LHG	L	206	-	-	8/22/23/53	-
29	CLA	2	601	2	1/1/10/20	3/12/88/115	-
29	CLA	5	601	5	1/1/10/20	4/10/86/115	-
29	CLA	B	821	11	1/1/14/20	8/33/109/115	-
30	KC2	3	307	34	-	10/15/71/71	-
29	CLA	B	841	11	1/1/15/20	1/39/115/115	-
29	CLA	A	854	-	1/1/15/20	19/39/115/115	-
29	CLA	d	608	24	1/1/15/20	13/39/115/115	-
29	CLA	e	601	27	1/1/11/20	4/15/91/115	-
29	CLA	3	303	3	1/1/13/20	4/27/103/115	-
29	CLA	A	853	34	1/1/11/20	10/15/91/115	-
31	II0	J	102	-	-	6/21/67/67	0/2/2/2
34	LHG	A	852	-	-	11/26/26/53	-
29	CLA	4	606	4	1/1/14/20	3/33/109/115	-
29	CLA	B	837	11	1/1/11/20	0/18/94/115	-
29	CLA	d	602	24	1/1/14/20	14/38/114/115	-
29	CLA	2	611	2	1/1/12/20	5/21/97/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
29	CLA	5	612	5	1/1/11/20	7/15/91/115	-
29	CLA	A	812	10	1/1/13/20	2/27/103/115	-
29	CLA	6	604	6	1/1/14/20	12/33/109/115	-
31	II0	4	614	-	-	4/21/67/67	0/2/2/2
29	CLA	9	305	-	1/1/13/20	5/27/103/115	-
34	LHG	5	619	29	-	12/26/26/53	-
29	CLA	7	312	7	1/1/12/20	8/21/97/115	-
29	CLA	6	605	6	1/1/13/20	9/27/103/115	-
30	KC2	b	609	25	-	3/15/71/71	-
29	CLA	B	808	11	1/1/15/20	21/39/115/115	-
34	LHG	e	617	29	-	17/32/32/53	-
29	CLA	Z	302	-	1/1/14/20	13/33/109/115	-
29	CLA	A	817	10	1/1/15/20	12/39/115/115	-
29	CLA	d	609	-	1/1/10/20	2/10/86/115	-
29	CLA	d	604	24	1/1/14/20	7/33/109/115	-
29	CLA	A	810	10	1/1/15/20	14/39/115/115	-
31	II0	c	621	29	-	0/21/67/67	0/2/2/2
29	CLA	a	603	24	1/1/14/20	9/33/109/115	-
37	8CT	K	103	-	-	10/29/63/63	0/2/2/2
29	CLA	B	811	11	1/1/14/20	7/33/109/115	-
31	II0	R	204	-	-	0/21/67/67	0/2/2/2
29	CLA	4	607	4	1/1/14/20	9/33/109/115	-
29	CLA	c	602	26	1/1/15/20	18/39/115/115	-
29	CLA	A	835	10	1/1/14/20	4/33/109/115	-
31	II0	8	311	-	-	6/21/67/67	0/2/2/2
29	CLA	1	603	1	1/1/12/20	7/24/100/115	-
36	SQD	a	618	-	-	17/37/57/69	0/1/1/1
29	CLA	R	202	22	1/1/13/20	10/27/103/115	-
33	IHT	L	204	-	-	0/25/65/65	0/2/2/2
29	CLA	A	804	10	1/1/15/20	15/39/115/115	-
29	CLA	2	608	2	1/1/14/20	7/33/109/115	-
29	CLA	e	606	27	1/1/14/20	9/33/109/115	-
29	CLA	4	610	4	1/1/15/20	12/39/115/115	-
30	KC2	e	605	27	-	8/15/71/71	-
29	CLA	1	607	1	1/1/11/20	6/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	II0	b	612	-	-	3/21/67/67	0/2/2/2
29	CLA	A	838	10	1/1/15/20	7/39/115/115	-
29	CLA	9	310	-	1/1/10/20	4/10/86/115	-
29	CLA	5	606	5	1/1/11/20	4/15/91/115	-
40	PQN	A	849	-	-	2/23/43/43	0/2/2/2
36	SQD	9	301	-	-	10/25/45/69	0/1/1/1
29	CLA	3	306	3,29	1/1/13/20	7/27/103/115	-
29	CLA	a	609	34	1/1/14/20	9/33/109/115	-
29	CLA	8	302	8	1/1/15/20	16/39/115/115	-
29	CLA	B	829	11	1/1/15/20	17/39/115/115	-
29	CLA	A	836	10	1/1/13/20	7/27/103/115	-
34	LHG	8	316	-	-	29/53/53/53	-
29	CLA	A	823	-	1/1/15/20	11/39/115/115	-
38	DGD	9	322	-	-	19/49/89/95	0/2/2/2
34	LHG	4	618	-	-	30/53/53/53	-
29	CLA	b	604	25	1/1/13/20	8/31/107/115	-
29	CLA	5	613	5	1/1/10/20	6/10/86/115	-
33	IHT	K	104	-	-	4/25/65/65	0/2/2/2
31	II0	a	615	-	-	6/21/67/67	0/2/2/2
34	LHG	c	623	-	-	23/38/38/53	-
29	CLA	B	804	11	1/1/11/20	7/15/91/115	-
29	CLA	4	609	4	1/1/14/20	6/33/109/115	-
29	CLA	8	303	8	1/1/15/20	16/39/115/115	-
29	CLA	d	612	24	1/1/14/20	10/37/113/115	-
29	CLA	J	103	17	1/1/10/20	2/10/86/115	-
34	LHG	M	102	-	-	10/25/25/53	-
37	8CT	e	616	-	-	11/29/63/63	0/2/2/2
31	II0	7	316	-	-	3/21/67/67	0/2/2/2
29	CLA	B	817	11	1/1/13/20	14/32/108/115	-
29	CLA	F	201	-	1/1/11/20	3/15/91/115	-
29	CLA	b	607	25	1/1/14/20	5/33/109/115	-
29	CLA	9	309	9	1/1/13/20	10/27/103/115	-
31	II0	a	613	-	-	1/21/67/67	0/2/2/2
29	CLA	B	806	11	1/1/15/20	13/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
29	CLA	d	605	24	1/1/11/20	4/15/91/115	-
29	CLA	A	806	10	1/1/15/20	15/39/115/115	-
34	LHG	L	208	-	-	22/38/38/53	-
29	CLA	b	601	25	1/1/11/20	2/15/91/115	-
31	II0	9	318	-	-	3/21/67/67	0/2/2/2
29	CLA	8	317	-	1/1/15/20	11/39/115/115	-
29	CLA	A	814	-	1/1/11/20	7/15/91/115	-
34	LHG	Z	311	-	-	23/50/50/53	-
29	CLA	B	816	11	1/1/15/20	10/39/115/115	-
29	CLA	A	820	10	1/1/15/20	13/39/115/115	-
29	CLA	6	611	-	1/1/13/20	1/27/103/115	-
29	CLA	6	612	6	1/1/11/20	5/15/91/115	-
31	II0	5	614	-	-	1/21/67/67	0/2/2/2
29	CLA	c	612	26	1/1/13/20	8/27/103/115	-
32	II3	8	312	-	-	8/25/67/67	0/2/2/2
29	CLA	6	602	6	1/1/15/20	12/39/115/115	-
34	LHG	L	207	-	-	16/36/36/53	-
29	CLA	8	304	8	1/1/12/20	2/21/97/115	-
29	CLA	b	603	25	1/1/14/20	6/33/109/115	-
37	8CT	Z	308	-	-	11/29/63/63	0/2/2/2
30	KC2	d	610	24	-	10/15/71/71	-
33	IHT	9	320	-	-	7/25/65/65	0/2/2/2
29	CLA	d	603	24	1/1/12/20	4/21/97/115	-
29	CLA	8	305	8	1/1/13/20	8/27/103/115	-
29	CLA	c	604	26	1/1/14/20	10/33/109/115	-
29	CLA	8	307	8	1/1/10/20	6/10/86/115	-
29	CLA	A	809	29,10	1/1/14/20	7/33/109/115	-
32	II3	1	615	-	-	0/25/67/67	0/2/2/2
29	CLA	d	607	24	1/1/15/20	7/39/115/115	-
29	CLA	9	313	9	1/1/11/20	7/15/91/115	-
29	CLA	B	830	11	1/1/11/20	2/15/91/115	-
29	CLA	B	814	11	1/1/13/20	11/29/105/115	-
29	CLA	A	840	-	1/1/15/20	12/39/115/115	-
34	LHG	2	619	-	-	21/43/43/53	-
29	CLA	4	608	34	1/1/15/20	10/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	II0	2	615	-	-	5/21/67/67	0/2/2/2
31	II0	3	314	-	-	1/21/67/67	0/2/2/2
29	CLA	b	608	34	1/1/15/20	13/39/115/115	-
29	CLA	6	608	6	1/1/14/20	4/33/109/115	-
29	CLA	7	304	7	1/1/13/20	6/27/103/115	-
29	CLA	d	611	-	1/1/12/20	5/21/97/115	-
29	CLA	7	309	34	1/1/10/20	4/10/86/115	-
29	CLA	A	824	-	1/1/15/20	8/39/115/115	-
36	SQD	3	322	-	-	15/31/51/69	0/1/1/1
29	CLA	B	803	11	1/1/15/20	19/39/115/115	-
30	KC2	b	605	25	-	7/15/71/71	-
30	KC2	c	611	30,26	-	4/15/71/71	-
29	CLA	A	843	-	1/1/15/20	8/39/115/115	-
31	II0	c	618	-	-	1/21/67/67	0/2/2/2
34	LHG	Z	309	-	-	17/43/43/53	-
34	LHG	9	321	-	-	19/37/37/53	-
31	II0	5	620	-	-	3/21/67/67	0/2/2/2
31	II0	4	613	-	-	2/21/67/67	0/2/2/2
34	LHG	7	319	29	-	25/43/43/53	-
39	SF4	C	102	12	-	-	0/6/5/5
31	II0	1	614	-	-	3/21/67/67	0/2/2/2
31	II0	1	616	-	-	5/21/67/67	0/2/2/2
29	CLA	b	606	25	1/1/15/20	16/39/115/115	-
29	CLA	A	821	10	1/1/13/20	5/27/103/115	-
29	CLA	d	606	24	1/1/10/20	0/10/86/115	-
34	LHG	J	101	30	-	12/38/38/53	-
29	CLA	c	607	26	1/1/15/20	12/39/115/115	-
34	LHG	3	321	-	-	23/53/53/53	-
30	KC2	7	313	-	-	9/15/71/71	-
29	CLA	1	606	1	1/1/11/20	4/15/91/115	-
29	CLA	8	308	-	1/1/15/20	6/39/115/115	-
38	DGD	B	849	-	-	18/48/88/95	0/2/2/2
29	CLA	3	310	35	1/1/15/20	4/39/115/115	-
39	SF4	C	101	12	-	-	0/6/5/5
29	CLA	B	840	34	1/1/15/20	6/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
29	CLA	B	828	11	1/1/15/20	6/39/115/115	-
29	CLA	A	828	10	1/1/15/20	10/39/115/115	-
30	KC2	1	610	1	-	3/15/71/71	-
29	CLA	5	607	5	1/1/11/20	6/15/91/115	-
29	CLA	B	832	11	1/1/13/20	9/27/103/115	-
29	CLA	c	601	26	1/1/11/20	8/15/91/115	-
29	CLA	c	609	34	1/1/10/20	4/10/86/115	-
29	CLA	A	827	10	1/1/15/20	8/39/115/115	-
29	CLA	5	609	34	1/1/10/20	2/10/86/115	-
31	II0	e	614	-	-	1/21/67/67	0/2/2/2
29	CLA	3	302	3	1/1/11/20	6/15/91/115	-
29	CLA	2	605	2	1/1/14/20	7/33/109/115	-
30	KC2	Z	306	23	-	4/15/71/71	-
31	II0	5	615	-	-	4/21/67/67	0/2/2/2
33	IHT	8	309	-	-	6/25/65/65	0/2/2/2
29	CLA	6	606	6	1/1/13/20	10/27/103/115	-
29	CLA	1	605	1	1/1/10/20	4/11/87/115	-
29	CLA	a	604	24	1/1/14/20	9/33/109/115	-
29	CLA	a	607	24	1/1/15/20	8/39/115/115	-
29	CLA	7	308	7	1/1/13/20	9/27/103/115	-
29	CLA	Z	304	23	1/1/12/20	4/21/97/115	-
29	CLA	a	605	24	1/1/13/20	9/27/103/115	-
31	II0	5	616	-	-	1/21/67/67	0/2/2/2
29	CLA	A	813	10	1/1/10/20	1/12/88/115	-
29	CLA	8	301	8	1/1/11/20	7/15/91/115	-
33	IHT	1	618	-	-	3/25/65/65	0/2/2/2
31	II0	c	619	-	-	4/21/67/67	0/2/2/2
29	CLA	3	311	3	1/1/15/20	10/39/115/115	-
29	CLA	7	302	7	1/1/11/20	2/15/91/115	-
34	LHG	5	621	29	-	14/39/39/53	-
29	CLA	A	829	10	1/1/12/20	8/21/97/115	-
31	II0	7	301	-	-	4/21/67/67	0/2/2/2
36	SQD	B	850	-	-	15/28/48/69	0/1/1/1
29	CLA	A	803	10	1/1/15/20	3/39/115/115	-
37	8CT	A	844	-	-	7/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
34	LHG	7	320	-	-	17/35/35/53	-
31	II0	2	614	-	-	1/21/67/67	0/2/2/2
29	CLA	c	615	-	1/1/13/20	8/27/103/115	-
29	CLA	B	827	11	1/1/15/20	13/39/115/115	-
29	CLA	O	201	34	1/1/13/20	5/27/103/115	-
29	CLA	B	809	11	1/1/15/20	11/39/115/115	-
29	CLA	3	304	3	1/1/14/20	8/33/109/115	-
37	8CT	M	101	-	-	8/29/63/63	0/2/2/2
29	CLA	3	312	3	1/1/12/20	7/21/97/115	-
31	II0	9	317	-	-	0/21/67/67	0/2/2/2
34	LHG	2	617	29	-	10/24/24/53	-
29	CLA	2	602	2	1/1/13/20	9/32/108/115	-
29	CLA	4	611	4	1/1/15/20	9/39/115/115	-
31	II0	a	619	-	-	1/21/67/67	0/2/2/2
37	8CT	B	846	-	-	9/29/63/63	0/2/2/2
29	CLA	e	602	27	1/1/13/20	7/27/103/115	-
29	CLA	A	831	10	1/1/15/20	14/39/115/115	-
29	CLA	1	602	1	1/1/13/20	3/32/108/115	-
31	II0	d	613	-	-	0/21/67/67	0/2/2/2
29	CLA	B	807	11	1/1/15/20	7/39/115/115	-
29	CLA	4	603	4	1/1/12/20	7/26/102/115	-
29	CLA	e	603	27	1/1/12/20	6/21/97/115	-
35	LMG	8	314	-	-	15/47/67/70	0/1/1/1
29	CLA	1	608	1	1/1/14/20	10/33/109/115	-
29	CLA	2	604	2	1/1/13/20	8/27/103/115	-
37	8CT	Z	307	-	-	7/29/63/63	0/2/2/2
29	CLA	4	601	4	1/1/13/20	4/27/103/115	-
29	CLA	9	315	-	1/1/10/20	4/10/86/115	-
29	CLA	L	201	19	1/1/12/20	7/23/99/115	-
29	CLA	A	808	10	1/1/13/20	8/27/103/115	-
29	CLA	e	604	-	1/1/14/20	7/33/109/115	-
37	8CT	7	318	-	-	14/29/63/63	0/2/2/2
29	CLA	9	303	9	1/1/13/20	11/27/103/115	-
31	II0	3	317	-	-	3/21/67/67	0/2/2/2
29	CLA	e	607	27	1/1/11/20	2/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
29	CLA	6	601	6	1/1/11/20	6/15/91/115	-
34	LHG	4	619	29	-	19/49/49/53	-
29	CLA	A	805	10	1/1/12/20	0/21/97/115	-
29	CLA	O	203	21	1/1/13/20	9/27/103/115	-
30	KC2	c	610	26	-	8/15/71/71	-
29	CLA	B	815	11	1/1/10/20	3/12/88/115	-
35	LMG	Z	310	-	-	20/43/63/70	0/1/1/1
29	CLA	a	608	24	1/1/14/20	10/33/109/115	-
29	CLA	a	612	24	1/1/15/20	9/39/115/115	-
29	CLA	A	811	10	1/1/15/20	11/39/115/115	-
34	LHG	O	208	-	-	17/41/41/53	-
31	II0	6	615	-	-	3/21/67/67	0/2/2/2
37	8CT	A	846	-	-	8/29/63/63	0/2/2/2
29	CLA	e	610	-	1/1/12/20	5/23/99/115	-
31	II0	O	205	-	-	1/21/67/67	0/2/2/2
37	8CT	B	847	-	-	3/29/63/63	0/2/2/2
29	CLA	B	802	-	1/1/13/20	4/27/103/115	-
29	CLA	B	826	11	1/1/15/20	4/39/115/115	-
29	CLA	d	601	24	1/1/11/20	7/15/91/115	-
37	8CT	F	203	-	-	9/29/63/63	0/2/2/2
31	II0	e	615	-	-	3/21/67/67	0/2/2/2
29	CLA	e	611	27	1/1/15/20	14/39/115/115	-
35	LMG	3	319	29	-	17/25/45/70	0/1/1/1
31	II0	8	310	-	-	5/21/67/67	0/2/2/2
29	CLA	O	202	-	1/1/10/20	4/10/86/115	-
29	CLA	B	805	11	1/1/15/20	13/39/115/115	-
34	LHG	A	851	29	-	18/43/43/53	-
37	8CT	A	845	-	-	5/29/63/63	0/2/2/2
31	II0	c	616	-	-	1/21/67/67	0/2/2/2
34	LHG	b	616	29	-	17/34/34/53	-
29	CLA	1	612	1	1/1/14/20	7/33/109/115	-
29	CLA	B	834	-	1/1/11/20	2/15/91/115	-
35	LMG	X	302	-	-	9/29/49/70	0/1/1/1
29	CLA	A	833	10	1/1/15/20	6/39/115/115	-
34	LHG	4	617	29	-	25/53/53/53	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
29	CLA	A	855	-	1/1/14/20	9/33/109/115	-
29	CLA	4	602	4	1/1/13/20	4/32/108/115	-
37	8CT	B	852	-	-	14/29/63/63	0/2/2/2
29	CLA	5	602	5	1/1/13/20	2/27/103/115	-
37	8CT	J	104	-	-	9/29/63/63	0/2/2/2
29	CLA	2	609	34	1/1/10/20	4/10/86/115	-
34	LHG	3	301	29	-	13/46/46/53	-
29	CLA	b	610	25	1/1/12/20	7/23/99/115	-
29	CLA	a	611	-	1/1/13/20	9/27/103/115	-
29	CLA	Z	305	23	1/1/14/20	13/33/109/115	-
29	CLA	B	838	-	1/1/15/20	5/39/115/115	-
31	II0	9	316	-	-	0/21/67/67	0/2/2/2
29	CLA	5	603	5	1/1/11/20	2/15/91/115	-
36	SQD	3	320	-	-	13/31/51/69	0/1/1/1
34	LHG	8	315	-	-	23/37/37/53	-
29	CLA	7	311	-	1/1/13/20	4/27/103/115	-
29	CLA	A	822	10	1/1/15/20	13/39/115/115	-
29	CLA	4	604	-	1/1/13/20	11/27/103/115	-
34	LHG	a	617	29	-	15/31/31/53	-
29	CLA	A	830	10	1/1/14/20	7/33/109/115	-
37	8CT	B	845	-	-	6/29/63/63	0/2/2/2
31	II0	4	612	-	-	2/21/67/67	0/2/2/2
35	LMG	F	204	-	-	8/27/47/70	0/1/1/1
29	CLA	B	824	-	1/1/15/20	16/39/115/115	-
31	II0	3	316	-	-	4/21/67/67	0/2/2/2
29	CLA	c	613	26	1/1/11/20	9/15/91/115	-
29	CLA	1	611	1	1/1/11/20	7/15/91/115	-
29	CLA	A	832	10	1/1/15/20	5/39/115/115	-
33	IHT	2	616	-	-	3/25/65/65	0/2/2/2
31	II0	8	313	-	-	4/21/67/67	0/2/2/2
29	CLA	A	837	10	1/1/15/20	11/39/115/115	-
29	CLA	F	202	15	1/1/13/20	7/27/103/115	-
31	II0	1	617	-	-	5/21/67/67	0/2/2/2
40	PQN	B	842	-	-	3/23/43/43	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	II0	b	614	-	-	3/21/67/67	0/2/2/2
31	II0	9	319	-	-	5/21/67/67	0/2/2/2
33	IHT	5	618	-	-	1/25/65/65	0/2/2/2
29	CLA	c	606	26	1/1/15/20	13/39/115/115	-
29	CLA	c	603	31,26	1/1/15/20	12/39/115/115	-
33	IHT	d	617	-	-	0/25/65/65	0/2/2/2
32	II3	e	613	-	-	1/25/67/67	0/2/2/2
29	CLA	5	604	5	1/1/13/20	14/27/103/115	-
31	II0	2	613	-	-	3/21/67/67	0/2/2/2
34	LHG	A	850	-	-	22/53/53/53	-
29	CLA	A	807	10	1/1/12/20	5/21/97/115	-
29	CLA	A	841	10	1/1/15/20	11/39/115/115	-
29	CLA	B	822	11	1/1/14/20	9/33/109/115	-
29	CLA	Z	303	23,29	1/1/13/20	8/27/103/115	-
29	CLA	c	605	26	1/1/11/20	8/15/91/115	-
29	CLA	3	308	3	1/1/14/20	17/33/109/115	-
29	CLA	9	306	9	1/1/11/20	0/15/91/115	-
30	KC2	4	605	4	-	7/15/71/71	-
29	CLA	B	823	11	1/1/15/20	13/39/115/115	-
29	CLA	b	611	25	1/1/13/20	7/27/103/115	-
31	II0	6	614	-	-	0/21/67/67	0/2/2/2
29	CLA	1	604	1	1/1/11/20	2/15/91/115	-
29	CLA	a	606	24	1/1/15/20	10/39/115/115	-
29	CLA	2	612	2	1/1/11/20	8/15/91/115	-
33	IHT	c	620	-	-	4/25/65/65	0/2/2/2
37	8CT	R	203	-	-	4/29/63/63	0/2/2/2
29	CLA	6	607	6	1/1/13/20	10/27/103/115	-
29	CLA	3	313	3	1/1/11/20	5/15/91/115	-
29	CLA	e	608	34	1/1/10/20	4/10/86/115	-
33	IHT	Z	301	-	-	7/25/65/65	0/2/2/2
29	CLA	B	812	11	1/1/13/20	5/27/103/115	-
30	KC2	e	609	27	-	7/15/71/71	-
29	CLA	9	314	9	1/1/11/20	5/15/91/115	-
29	CLA	K	102	18	1/1/13/20	7/27/103/115	-
30	KC2	2	610	2	-	10/15/71/71	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	II0	3	315	-	-	1/21/67/67	0/2/2/2
30	KC2	7	310	7	-	9/15/71/71	-
29	CLA	A	802	29,10	1/1/13/20	3/27/103/115	-
29	CLA	L	202	19	1/1/14/20	7/33/109/115	-
31	II0	7	314	-	-	1/21/67/67	0/2/2/2
29	CLA	A	826	10	1/1/15/20	8/39/115/115	-
29	CLA	9	312	9	1/1/10/20	4/10/86/115	-
31	II0	7	317	-	-	3/21/67/67	0/2/2/2
37	8CT	B	848	-	-	8/29/63/63	0/2/2/2
37	8CT	4	616	-	-	14/29/63/63	0/2/2/2
29	CLA	1	601	1	1/1/11/20	7/15/91/115	-
29	CLA	B	820	11	1/1/14/20	12/33/109/115	-
29	CLA	a	601	24	1/1/11/20	7/15/91/115	-
29	CLA	A	818	10	1/1/15/20	10/39/115/115	-
29	CLA	B	831	11	1/1/14/20	11/33/109/115	-
29	CLA	7	306	7	1/1/11/20	7/15/91/115	-
31	II0	3	318	-	-	3/21/67/67	0/2/2/2
29	CLA	6	603	6	1/1/11/20	4/15/91/115	-
29	CLA	B	825	-	1/1/14/20	6/33/109/115	-
31	II0	d	615	-	-	1/21/67/67	0/2/2/2
29	CLA	B	835	11	1/1/13/20	3/27/103/115	-
30	KC2	6	613	6	-	11/15/71/71	-
29	CLA	B	810	11	1/1/15/20	18/39/115/115	-
31	II0	7	315	-	-	0/21/67/67	0/2/2/2
29	CLA	9	307	9	1/1/13/20	9/30/106/115	-
37	8CT	I	101	-	-	9/29/63/63	0/2/2/2
34	LHG	4	620	-	-	22/49/49/53	-
29	CLA	7	307	7	1/1/11/20	5/15/91/115	-
29	CLA	5	611	5	1/1/11/20	6/15/91/115	-
37	8CT	b	615	-	-	14/29/63/63	0/2/2/2
30	KC2	c	614	30	-	6/15/71/71	-
37	8CT	B	851	-	-	12/29/63/63	0/2/2/2
37	8CT	B	844	-	-	9/29/63/63	0/2/2/2
29	CLA	O	204	-	1/1/13/20	6/27/103/115	-
37	8CT	L	205	-	-	11/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
29	CLA	A	815	10	1/1/14/20	2/36/112/115	-
34	LHG	1	619	29	-	20/39/39/53	-
29	CLA	a	602	24	1/1/13/20	11/27/103/115	-
29	CLA	B	839	11	1/1/15/20	5/39/115/115	-
29	CLA	9	304	9	1/1/11/20	6/15/91/115	-
29	CLA	A	839	-	1/1/15/20	16/39/115/115	-
33	IHT	6	616	-	-	6/25/65/65	0/2/2/2
36	SQD	O	207	-	-	14/24/44/69	0/1/1/1
29	CLA	3	309	3	1/1/14/20	5/33/109/115	-
29	CLA	6	609	34	1/1/10/20	0/10/86/115	-
29	CLA	A	834	10	1/1/13/20	7/27/103/115	-
29	CLA	X	301	-	1/1/12/20	5/24/100/115	-
39	SF4	A	848	10,11	-	-	0/6/5/5
29	CLA	A	801	10	1/1/15/20	20/39/115/115	-
30	KC2	5	610	5	-	9/15/71/71	-
29	CLA	3	305	3	1/1/15/20	6/39/115/115	-
31	II0	O	206	-	-	0/21/67/67	0/2/2/2
29	CLA	2	606	2	1/1/11/20	5/15/91/115	-
35	LMG	6	617	-	-	10/27/47/70	0/1/1/1
29	CLA	5	608	5	1/1/14/20	13/33/109/115	-
29	CLA	9	308	-	1/1/15/20	19/39/115/115	-
30	KC2	9	311	9	-	8/15/71/71	-
34	LHG	B	801	-	-	24/41/41/53	-
29	CLA	B	813	11	1/1/15/20	13/39/115/115	-
29	CLA	1	613	1	1/1/11/20	8/15/91/115	-
30	KC2	a	610	24	-	9/15/71/71	-
29	CLA	7	303	7	1/1/15/20	8/39/115/115	-
35	LMG	2	618	-	-	9/31/51/70	0/1/1/1
29	CLA	9	302	9	1/1/11/20	5/15/91/115	-
29	CLA	A	816	10	1/1/14/20	19/33/109/115	-
31	II0	5	617	-	-	6/21/67/67	0/2/2/2
37	8CT	A	847	-	-	10/29/63/63	0/2/2/2

All (2997) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	B	847	8CT	C02-C03	15.12	1.59	1.34
37	Z	307	8CT	C02-C03	15.03	1.59	1.34
37	B	845	8CT	C02-C03	14.91	1.59	1.34
37	Z	308	8CT	C02-C03	14.83	1.59	1.34
37	I	101	8CT	C02-C03	14.81	1.59	1.34
37	B	846	8CT	C02-C03	14.80	1.59	1.34
37	B	848	8CT	C02-C03	14.80	1.59	1.34
37	L	205	8CT	C02-C03	14.78	1.59	1.34
37	A	846	8CT	C02-C03	14.77	1.59	1.34
37	B	844	8CT	C02-C03	14.77	1.59	1.34
37	A	845	8CT	C02-C03	14.74	1.59	1.34
37	A	844	8CT	C02-C03	14.73	1.59	1.34
37	M	101	8CT	C02-C03	14.73	1.59	1.34
37	B	852	8CT	C02-C03	14.71	1.59	1.34
37	B	851	8CT	C02-C03	14.70	1.59	1.34
37	K	103	8CT	C02-C03	14.56	1.58	1.34
37	Z	307	8CT	C32-C31	14.55	1.60	1.32
37	J	104	8CT	C02-C03	14.53	1.58	1.34
37	F	203	8CT	C02-C03	14.49	1.58	1.34
37	A	847	8CT	C02-C03	14.47	1.58	1.34
37	B	845	8CT	C32-C31	14.47	1.60	1.32
37	R	203	8CT	C02-C03	14.45	1.58	1.34
37	I	101	8CT	C32-C31	14.43	1.60	1.32
37	B	848	8CT	C32-C31	14.37	1.60	1.32
37	B	843	8CT	C02-C03	14.36	1.58	1.34
37	A	845	8CT	C32-C31	14.31	1.59	1.32
37	B	844	8CT	C32-C31	14.22	1.59	1.32
37	K	103	8CT	C32-C31	14.21	1.59	1.32
37	Z	308	8CT	C32-C31	14.21	1.59	1.32
37	R	203	8CT	C32-C31	14.19	1.59	1.32
37	F	203	8CT	C32-C31	14.14	1.59	1.32
37	B	851	8CT	C32-C31	14.12	1.59	1.32
37	J	104	8CT	C32-C31	14.12	1.59	1.32
37	B	852	8CT	C32-C31	14.11	1.59	1.32
37	A	846	8CT	C32-C31	14.04	1.59	1.32
37	M	101	8CT	C32-C31	13.97	1.59	1.32
37	B	847	8CT	C32-C31	13.97	1.59	1.32
37	A	847	8CT	C32-C31	13.96	1.59	1.32
37	B	846	8CT	C32-C31	13.96	1.59	1.32
37	A	844	8CT	C32-C31	13.95	1.59	1.32
37	L	205	8CT	C32-C31	13.88	1.59	1.32
37	B	843	8CT	C32-C31	13.81	1.59	1.32
33	c	620	IHT	C21-C11	-9.11	1.24	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	e	612	II0	C22-C10	-9.06	1.24	1.42
31	O	205	II0	C22-C10	-8.96	1.25	1.42
31	1	620	II0	C22-C10	-8.88	1.25	1.42
31	R	204	II0	C21-C09	-8.83	1.25	1.42
31	9	323	II0	C21-C09	-8.81	1.25	1.42
31	5	615	II0	C22-C10	-8.80	1.25	1.42
31	d	615	II0	C21-C09	-8.78	1.25	1.42
31	4	615	II0	C21-C09	-8.77	1.25	1.42
31	9	318	II0	C22-C10	-8.76	1.25	1.42
31	c	619	II0	C22-C10	-8.76	1.25	1.42
31	c	621	II0	C22-C10	-8.75	1.25	1.42
32	8	312	II3	C23-C16	-8.75	1.25	1.42
31	5	620	II0	C21-C09	-8.74	1.25	1.42
31	R	201	II0	C21-C09	-8.74	1.25	1.42
37	Z	308	8CT	C34-C35	-8.73	1.37	1.54
33	2	616	IHT	C21-C11	-8.73	1.25	1.42
31	b	614	II0	C21-C09	-8.72	1.25	1.42
33	8	309	IHT	C21-C11	-8.71	1.25	1.42
31	1	617	II0	C21-C09	-8.71	1.25	1.42
31	6	615	II0	C22-C10	-8.71	1.25	1.42
33	K	104	IHT	C21-C11	-8.70	1.25	1.42
31	c	619	II0	C21-C09	-8.70	1.25	1.42
31	5	616	II0	C22-C10	-8.70	1.25	1.42
31	7	317	II0	C21-C09	-8.70	1.25	1.42
37	B	848	8CT	C34-C35	-8.70	1.37	1.54
31	7	317	II0	C22-C10	-8.69	1.25	1.42
31	R	204	II0	C22-C10	-8.67	1.25	1.42
31	d	615	II0	C22-C10	-8.67	1.25	1.42
37	B	852	8CT	C34-C35	-8.66	1.37	1.54
31	1	620	II0	C21-C09	-8.66	1.25	1.42
31	O	205	II0	C21-C09	-8.65	1.25	1.42
37	I	101	8CT	C34-C35	-8.65	1.37	1.54
31	7	316	II0	C21-C09	-8.64	1.25	1.42
31	3	316	II0	C21-C09	-8.63	1.25	1.42
31	9	319	II0	C22-C10	-8.63	1.25	1.42
37	A	845	8CT	C34-C35	-8.62	1.37	1.54
37	Z	307	8CT	C34-C35	-8.62	1.37	1.54
31	9	318	II0	C21-C09	-8.62	1.25	1.42
31	2	615	II0	C21-C09	-8.58	1.25	1.42
31	e	614	II0	C22-C10	-8.58	1.25	1.42
31	b	614	II0	C22-C10	-8.57	1.25	1.42
31	a	615	II0	C22-C10	-8.57	1.25	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	1	616	II0	C21-C09	-8.57	1.25	1.42
31	3	316	II0	C22-C10	-8.56	1.25	1.42
31	4	615	II0	C22-C10	-8.56	1.25	1.42
31	1	616	II0	C22-C10	-8.56	1.25	1.42
31	7	316	II0	C22-C10	-8.55	1.25	1.42
31	5	620	II0	C22-C10	-8.54	1.25	1.42
37	A	844	8CT	C34-C35	-8.54	1.38	1.54
31	5	616	II0	C21-C09	-8.53	1.25	1.42
31	8	310	II0	C21-C09	-8.53	1.25	1.42
31	9	323	II0	C22-C10	-8.53	1.25	1.42
37	B	845	8CT	C34-C35	-8.53	1.38	1.54
31	c	621	II0	C21-C09	-8.52	1.25	1.42
37	K	103	8CT	C34-C35	-8.52	1.38	1.54
33	9	320	IHT	C21-C11	-8.52	1.25	1.42
31	5	617	II0	C21-C09	-8.52	1.25	1.42
31	R	201	II0	C22-C10	-8.52	1.25	1.42
37	A	847	8CT	C34-C35	-8.51	1.38	1.54
31	9	316	II0	C21-C09	-8.51	1.26	1.42
33	L	204	IHT	C21-C11	-8.51	1.26	1.42
31	3	318	II0	C22-C10	-8.51	1.26	1.42
33	d	617	IHT	C21-C11	-8.51	1.26	1.42
32	e	613	II3	C23-C16	-8.50	1.26	1.42
33	Z	301	IHT	C21-C11	-8.50	1.26	1.42
31	a	619	II0	C22-C10	-8.50	1.26	1.42
33	1	618	IHT	C21-C11	-8.50	1.26	1.42
33	6	616	IHT	C21-C11	-8.50	1.26	1.42
37	B	844	8CT	C34-C35	-8.50	1.38	1.54
33	a	616	IHT	C21-C11	-8.49	1.26	1.42
31	5	617	II0	C22-C10	-8.49	1.26	1.42
31	a	614	II0	C21-C09	-8.49	1.26	1.42
31	9	316	II0	C22-C10	-8.49	1.26	1.42
31	8	311	II0	C21-C09	-8.48	1.26	1.42
31	8	310	II0	C22-C10	-8.48	1.26	1.42
31	c	618	II0	C21-C09	-8.48	1.26	1.42
31	a	619	II0	C21-C09	-8.48	1.26	1.42
31	e	612	II0	C21-C09	-8.48	1.26	1.42
37	B	851	8CT	C34-C35	-8.47	1.38	1.54
31	e	615	II0	C21-C09	-8.47	1.26	1.42
31	a	615	II0	C21-C09	-8.47	1.26	1.42
33	5	618	IHT	C21-C11	-8.47	1.26	1.42
32	b	613	II3	C23-C16	-8.46	1.26	1.42
37	J	104	8CT	C34-C35	-8.46	1.38	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	a	613	II0	C21-C09	-8.46	1.26	1.42
31	3	317	II0	C21-C09	-8.45	1.26	1.42
31	c	616	II0	C21-C09	-8.45	1.26	1.42
31	J	102	II0	C22-C10	-8.45	1.26	1.42
31	e	615	II0	C22-C10	-8.45	1.26	1.42
31	d	613	II0	C21-C09	-8.44	1.26	1.42
37	B	846	8CT	C34-C35	-8.44	1.38	1.54
31	3	317	II0	C22-C10	-8.44	1.26	1.42
31	d	616	II0	C21-C09	-8.43	1.26	1.42
37	A	846	8CT	C34-C35	-8.43	1.38	1.54
31	4	614	II0	C21-C09	-8.43	1.26	1.42
37	M	101	8CT	C34-C35	-8.42	1.38	1.54
31	5	615	II0	C21-C09	-8.42	1.26	1.42
31	O	206	II0	C21-C09	-8.42	1.26	1.42
31	1	617	II0	C22-C10	-8.42	1.26	1.42
31	9	319	II0	C21-C09	-8.41	1.26	1.42
37	F	203	8CT	C34-C35	-8.41	1.38	1.54
31	7	301	II0	C22-C10	-8.41	1.26	1.42
31	d	616	II0	C22-C10	-8.39	1.26	1.42
31	a	613	II0	C22-C10	-8.39	1.26	1.42
31	9	317	II0	C21-C09	-8.38	1.26	1.42
31	O	206	II0	C22-C10	-8.38	1.26	1.42
32	1	615	II3	C23-C16	-8.38	1.26	1.42
31	c	616	II0	C22-C10	-8.38	1.26	1.42
31	4	614	II0	C22-C10	-8.37	1.26	1.42
37	R	203	8CT	C34-C35	-8.37	1.38	1.54
31	2	615	II0	C22-C10	-8.37	1.26	1.42
31	2	613	II0	C22-C10	-8.37	1.26	1.42
37	B	847	8CT	C34-C35	-8.36	1.38	1.54
31	6	614	II0	C21-C09	-8.35	1.26	1.42
31	2	613	II0	C21-C09	-8.35	1.26	1.42
31	c	618	II0	C22-C10	-8.35	1.26	1.42
31	8	313	II0	C21-C09	-8.34	1.26	1.42
31	8	311	II0	C22-C10	-8.33	1.26	1.42
31	3	318	II0	C21-C09	-8.33	1.26	1.42
31	7	301	II0	C21-C09	-8.33	1.26	1.42
31	J	102	II0	C21-C09	-8.32	1.26	1.42
31	e	614	II0	C21-C09	-8.32	1.26	1.42
31	8	313	II0	C22-C10	-8.31	1.26	1.42
31	4	613	II0	C22-C10	-8.30	1.26	1.42
31	d	614	II0	C21-C09	-8.30	1.26	1.42
31	6	615	II0	C21-C09	-8.29	1.26	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	c	617	II0	C21-C09	-8.29	1.26	1.42
31	4	613	II0	C21-C09	-8.29	1.26	1.42
31	2	614	II0	C22-C10	-8.28	1.26	1.42
31	6	614	II0	C22-C10	-8.26	1.26	1.42
31	9	317	II0	C22-C10	-8.25	1.26	1.42
31	7	315	II0	C22-C10	-8.25	1.26	1.42
31	b	612	II0	C21-C09	-8.23	1.26	1.42
37	L	205	8CT	C34-C35	-8.23	1.38	1.54
31	4	612	II0	C22-C10	-8.21	1.26	1.42
31	5	614	II0	C21-C09	-8.21	1.26	1.42
31	5	614	II0	C22-C10	-8.19	1.26	1.42
31	3	314	II0	C22-C10	-8.19	1.26	1.42
31	b	612	II0	C22-C10	-8.19	1.26	1.42
31	d	614	II0	C22-C10	-8.18	1.26	1.42
37	B	843	8CT	C34-C35	-8.18	1.38	1.54
31	3	315	II0	C22-C10	-8.17	1.26	1.42
31	7	314	II0	C21-C09	-8.17	1.26	1.42
31	a	614	II0	C22-C10	-8.16	1.26	1.42
31	7	314	II0	C22-C10	-8.16	1.26	1.42
31	d	613	II0	C22-C10	-8.16	1.26	1.42
31	3	315	II0	C21-C09	-8.15	1.26	1.42
31	4	612	II0	C21-C09	-8.15	1.26	1.42
31	2	614	II0	C21-C09	-8.14	1.26	1.42
31	1	614	II0	C21-C09	-8.14	1.26	1.42
31	3	314	II0	C21-C09	-8.13	1.26	1.42
31	c	617	II0	C22-C10	-8.13	1.26	1.42
31	1	614	II0	C22-C10	-8.12	1.26	1.42
31	7	315	II0	C21-C09	-8.09	1.26	1.42
40	A	849	PQN	C3-C2	7.69	1.49	1.35
40	B	842	PQN	C3-C2	7.66	1.48	1.35
37	B	846	8CT	C05-C06	-7.04	1.35	1.52
37	B	848	8CT	C05-C06	-6.87	1.36	1.52
37	B	852	8CT	C05-C06	-6.83	1.36	1.52
37	B	847	8CT	C05-C06	-6.82	1.36	1.52
37	Z	307	8CT	C05-C06	-6.82	1.36	1.52
37	B	844	8CT	C05-C06	-6.80	1.36	1.52
37	Z	308	8CT	C05-C06	-6.78	1.36	1.52
37	B	845	8CT	C05-C06	-6.77	1.36	1.52
37	A	844	8CT	C05-C06	-6.76	1.36	1.52
37	K	103	8CT	C05-C06	-6.76	1.36	1.52
37	L	205	8CT	C05-C06	-6.76	1.36	1.52
37	A	845	8CT	C05-C06	-6.75	1.36	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	I	101	8CT	C05-C06	-6.75	1.36	1.52
37	M	101	8CT	C05-C06	-6.73	1.36	1.52
37	B	851	8CT	C05-C06	-6.71	1.36	1.52
37	A	847	8CT	C05-C06	-6.69	1.36	1.52
37	R	203	8CT	C05-C06	-6.69	1.36	1.52
37	A	846	8CT	C05-C06	-6.67	1.36	1.52
37	J	104	8CT	C05-C06	-6.65	1.36	1.52
37	F	203	8CT	C05-C06	-6.61	1.36	1.52
37	B	843	8CT	C05-C06	-6.48	1.37	1.52
37	F	203	8CT	C15-C16	6.31	1.59	1.46
37	B	845	8CT	C15-C16	6.29	1.59	1.46
37	K	103	8CT	C28-C26	6.27	1.59	1.46
37	B	844	8CT	C15-C16	6.26	1.59	1.46
37	B	848	8CT	C28-C26	6.25	1.59	1.46
37	I	101	8CT	C15-C16	6.25	1.59	1.46
37	B	851	8CT	C15-C16	6.25	1.59	1.46
37	B	848	8CT	C15-C16	6.20	1.59	1.46
37	L	205	8CT	C15-C16	6.18	1.59	1.46
37	J	104	8CT	C15-C16	6.18	1.59	1.46
37	B	843	8CT	C15-C16	6.18	1.59	1.46
37	M	101	8CT	C15-C16	6.17	1.59	1.46
37	B	843	8CT	C04-C03	-6.13	1.45	1.53
37	Z	307	8CT	C15-C16	6.13	1.59	1.46
37	F	203	8CT	C28-C26	6.10	1.59	1.46
37	R	203	8CT	C28-C26	6.10	1.59	1.46
37	B	843	8CT	C28-C26	6.09	1.59	1.46
37	A	846	8CT	C15-C16	6.08	1.59	1.46
37	R	203	8CT	C15-C16	6.07	1.59	1.46
37	L	205	8CT	C28-C26	6.07	1.59	1.46
37	B	846	8CT	C28-C26	6.06	1.58	1.46
37	B	844	8CT	C28-C26	6.05	1.58	1.46
37	A	847	8CT	C15-C16	6.04	1.58	1.46
37	A	845	8CT	C15-C16	6.04	1.58	1.46
37	Z	307	8CT	C28-C26	6.03	1.58	1.46
37	J	104	8CT	C28-C26	6.02	1.58	1.46
37	A	845	8CT	C28-C26	6.02	1.58	1.46
37	Z	308	8CT	C15-C16	6.01	1.58	1.46
37	A	847	8CT	C28-C26	6.01	1.58	1.46
37	B	846	8CT	C04-C03	-5.99	1.46	1.53
37	B	851	8CT	C28-C26	5.98	1.58	1.46
37	B	845	8CT	C28-C26	5.97	1.58	1.46
37	K	103	8CT	C15-C16	5.97	1.58	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	M	101	8CT	C28-C26	5.97	1.58	1.46
37	B	852	8CT	C15-C16	5.96	1.58	1.46
37	B	847	8CT	C28-C26	5.96	1.58	1.46
37	Z	308	8CT	C04-C03	-5.94	1.46	1.53
37	I	101	8CT	C28-C26	5.93	1.58	1.46
37	Z	308	8CT	C28-C26	5.91	1.58	1.46
37	F	203	8CT	C04-C03	-5.91	1.46	1.53
37	B	847	8CT	C15-C16	5.89	1.58	1.46
37	A	844	8CT	C04-C03	-5.86	1.46	1.53
37	A	844	8CT	C15-C16	5.85	1.58	1.46
37	A	846	8CT	C28-C26	5.85	1.58	1.46
37	B	846	8CT	C15-C16	5.84	1.58	1.46
37	R	203	8CT	C34-C33	5.83	1.65	1.52
37	A	845	8CT	C34-C33	5.82	1.65	1.52
37	I	101	8CT	C34-C33	5.81	1.65	1.52
37	A	844	8CT	C28-C26	5.81	1.58	1.46
37	A	846	8CT	C34-C33	5.80	1.65	1.52
37	L	205	8CT	C34-C33	5.80	1.65	1.52
37	B	845	8CT	C04-C03	-5.79	1.46	1.53
37	A	847	8CT	C34-C33	5.78	1.65	1.52
37	A	845	8CT	C04-C03	-5.77	1.46	1.53
37	I	101	8CT	C04-C03	-5.77	1.46	1.53
37	B	843	8CT	C34-C33	5.75	1.65	1.52
37	B	852	8CT	C28-C26	5.75	1.58	1.46
37	B	852	8CT	C04-C03	-5.74	1.46	1.53
37	B	845	8CT	C34-C33	5.70	1.65	1.52
37	A	844	8CT	C34-C33	5.70	1.65	1.52
37	J	104	8CT	C34-C33	5.70	1.65	1.52
37	B	844	8CT	C34-C33	5.69	1.65	1.52
37	B	852	8CT	C34-C33	5.69	1.65	1.52
37	B	848	8CT	C23-C21	5.67	1.58	1.46
37	B	851	8CT	C23-C21	5.67	1.58	1.46
37	F	203	8CT	C34-C33	5.67	1.65	1.52
37	Z	307	8CT	C34-C33	5.66	1.65	1.52
37	Z	307	8CT	C23-C21	5.65	1.58	1.46
37	B	843	8CT	C23-C21	5.64	1.58	1.46
37	K	103	8CT	C23-C21	5.63	1.58	1.46
37	A	846	8CT	C04-C03	-5.63	1.46	1.53
37	B	844	8CT	C04-C03	-5.63	1.46	1.53
37	A	847	8CT	C04-C03	-5.62	1.46	1.53
37	B	846	8CT	C34-C33	5.61	1.65	1.52
37	M	101	8CT	C34-C33	5.61	1.65	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	M	101	8CT	C04-C03	-5.61	1.46	1.53
37	B	851	8CT	C34-C33	5.61	1.65	1.52
37	K	103	8CT	C34-C33	5.60	1.65	1.52
37	B	844	8CT	C23-C21	5.58	1.57	1.46
37	R	203	8CT	C23-C21	5.57	1.57	1.46
37	B	851	8CT	C04-C03	-5.57	1.46	1.53
37	B	845	8CT	C23-C21	5.57	1.57	1.46
37	Z	308	8CT	C34-C33	5.57	1.65	1.52
37	Z	307	8CT	C04-C03	-5.56	1.46	1.53
37	R	203	8CT	C04-C03	-5.55	1.46	1.53
37	B	848	8CT	C34-C33	5.55	1.65	1.52
37	J	104	8CT	C23-C21	5.54	1.57	1.46
37	A	847	8CT	C23-C21	5.53	1.57	1.46
37	B	847	8CT	C34-C33	5.52	1.65	1.52
37	M	101	8CT	C23-C21	5.50	1.57	1.46
37	F	203	8CT	C23-C21	5.50	1.57	1.46
37	B	846	8CT	C23-C21	5.47	1.57	1.46
37	L	205	8CT	C23-C21	5.47	1.57	1.46
37	I	101	8CT	C23-C21	5.45	1.57	1.46
37	A	846	8CT	C23-C21	5.45	1.57	1.46
37	K	103	8CT	C04-C03	-5.44	1.46	1.53
37	J	104	8CT	C05-C04	5.44	1.66	1.54
37	R	203	8CT	C05-C04	5.44	1.66	1.54
37	A	845	8CT	C23-C21	5.42	1.57	1.46
37	Z	308	8CT	C23-C21	5.42	1.57	1.46
37	B	852	8CT	C23-C21	5.39	1.57	1.46
37	B	847	8CT	C04-C03	-5.39	1.46	1.53
37	B	848	8CT	C04-C03	-5.36	1.46	1.53
37	A	847	8CT	C05-C04	5.36	1.66	1.54
37	A	844	8CT	C23-C21	5.34	1.57	1.46
30	c	614	KC2	CHD-C4C	5.33	1.49	1.38
37	L	205	8CT	C04-C03	-5.33	1.47	1.53
37	B	847	8CT	C23-C21	5.31	1.57	1.46
37	J	104	8CT	C04-C03	-5.30	1.47	1.53
37	K	103	8CT	C05-C04	5.29	1.66	1.54
30	b	609	KC2	CHD-C4C	5.28	1.49	1.38
30	6	613	KC2	CHD-C4C	5.26	1.49	1.38
37	M	101	8CT	C05-C04	5.26	1.66	1.54
37	B	851	8CT	C05-C04	5.26	1.66	1.54
37	L	205	8CT	C05-C04	5.24	1.66	1.54
30	1	610	KC2	CHD-C4C	5.24	1.49	1.38
37	A	845	8CT	C05-C04	5.23	1.66	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
30	3	307	KC2	CHD-C4C	5.21	1.48	1.38
30	d	610	KC2	CHD-C4C	5.20	1.48	1.38
30	2	610	KC2	CHD-C4C	5.20	1.48	1.38
30	c	610	KC2	CHD-C4C	5.19	1.48	1.38
30	7	313	KC2	CHD-C4C	5.19	1.48	1.38
37	B	844	8CT	C05-C04	5.18	1.66	1.54
37	B	843	8CT	C05-C04	5.17	1.65	1.54
37	I	101	8CT	C05-C04	5.16	1.65	1.54
30	9	311	KC2	CHD-C4C	5.16	1.48	1.38
30	c	611	KC2	CHD-C4C	5.16	1.48	1.38
30	e	609	KC2	CHD-C4C	5.15	1.48	1.38
37	B	848	8CT	C05-C04	5.15	1.65	1.54
30	4	605	KC2	CHD-C4C	5.15	1.48	1.38
37	F	203	8CT	C05-C04	5.14	1.65	1.54
30	6	610	KC2	CHD-C4C	5.14	1.48	1.38
37	B	852	8CT	C05-C04	5.13	1.65	1.54
30	e	605	KC2	CHD-C4C	5.13	1.48	1.38
30	5	610	KC2	CHD-C4C	5.13	1.48	1.38
30	Z	306	KC2	CHD-C4C	5.13	1.48	1.38
30	a	610	KC2	CHD-C4C	5.11	1.48	1.38
30	7	310	KC2	CHD-C4C	5.10	1.48	1.38
37	A	846	8CT	C05-C04	5.08	1.65	1.54
37	Z	307	8CT	C05-C04	5.07	1.65	1.54
37	B	845	8CT	C05-C04	5.07	1.65	1.54
30	b	605	KC2	CHD-C4C	5.06	1.48	1.38
37	A	844	8CT	C05-C04	5.04	1.65	1.54
37	B	847	8CT	C05-C04	5.02	1.65	1.54
40	A	849	PQN	C10-C5	4.98	1.48	1.40
40	B	842	PQN	C10-C5	4.92	1.48	1.40
37	B	846	8CT	C05-C04	4.89	1.65	1.54
37	Z	308	8CT	C05-C04	4.87	1.65	1.54
37	F	203	8CT	C06-C07	4.76	1.67	1.52
37	B	843	8CT	C06-C07	4.76	1.67	1.52
36	a	618	SQD	O48-C23	4.70	1.47	1.33
36	7	321	SQD	O48-C23	4.70	1.47	1.33
36	3	322	SQD	O48-C23	4.70	1.47	1.33
36	O	207	SQD	O48-C23	4.69	1.47	1.33
36	3	320	SQD	O48-C23	4.65	1.46	1.33
36	9	301	SQD	O48-C23	4.65	1.46	1.33
37	I	101	8CT	C06-C07	4.65	1.67	1.52
37	A	846	8CT	C06-C07	4.64	1.67	1.52
37	B	845	8CT	C06-C07	4.63	1.67	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
36	B	850	SQD	O48-C23	4.62	1.46	1.33
30	c	614	KC2	MG-ND	-4.61	1.96	2.05
37	Z	308	8CT	C06-C07	4.59	1.66	1.52
37	B	851	8CT	C06-C07	4.59	1.66	1.52
37	B	844	8CT	C06-C07	4.57	1.66	1.52
37	Z	307	8CT	C06-C07	4.57	1.66	1.52
37	A	845	8CT	C06-C07	4.55	1.66	1.52
37	B	847	8CT	C06-C07	4.53	1.66	1.52
37	J	104	8CT	C06-C07	4.53	1.66	1.52
37	A	847	8CT	C06-C07	4.53	1.66	1.52
37	L	205	8CT	C06-C07	4.52	1.66	1.52
37	B	848	8CT	C06-C07	4.51	1.66	1.52
37	B	852	8CT	C06-C07	4.51	1.66	1.52
30	3	307	KC2	MG-ND	-4.49	1.96	2.05
37	M	101	8CT	C06-C07	4.49	1.66	1.52
37	R	203	8CT	C06-C07	4.48	1.66	1.52
30	c	611	KC2	MG-ND	-4.47	1.96	2.05
30	1	610	KC2	MG-ND	-4.45	1.97	2.05
30	b	609	KC2	MG-ND	-4.44	1.97	2.05
37	K	103	8CT	C06-C07	4.43	1.66	1.52
30	e	605	KC2	MG-ND	-4.43	1.97	2.05
30	5	610	KC2	MG-ND	-4.42	1.97	2.05
30	4	605	KC2	MG-ND	-4.41	1.97	2.05
30	7	313	KC2	MG-ND	-4.41	1.97	2.05
37	B	851	8CT	C19-C20	4.41	1.56	1.43
30	6	610	KC2	MG-ND	-4.41	1.97	2.05
37	A	844	8CT	C06-C07	4.40	1.66	1.52
37	B	846	8CT	C06-C07	4.40	1.66	1.52
30	b	605	KC2	MG-ND	-4.39	1.97	2.05
37	Z	307	8CT	C19-C20	4.38	1.56	1.43
30	Z	306	KC2	MG-ND	-4.38	1.97	2.05
37	B	848	8CT	C19-C20	4.36	1.56	1.43
37	B	844	8CT	C19-C20	4.36	1.56	1.43
30	c	610	KC2	MG-ND	-4.35	1.97	2.05
37	M	101	8CT	C19-C20	4.35	1.56	1.43
37	J	104	8CT	C19-C20	4.35	1.56	1.43
37	I	101	8CT	C19-C20	4.34	1.56	1.43
30	2	610	KC2	MG-ND	-4.34	1.97	2.05
30	e	609	KC2	MG-ND	-4.34	1.97	2.05
30	7	310	KC2	MG-ND	-4.33	1.97	2.05
30	6	613	KC2	MG-ND	-4.33	1.97	2.05
37	B	843	8CT	C19-C20	4.33	1.56	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	A	847	8CT	C19-C20	4.33	1.56	1.43
37	F	203	8CT	C19-C20	4.32	1.56	1.43
30	9	311	KC2	MG-ND	-4.32	1.97	2.05
30	a	610	KC2	MG-ND	-4.32	1.97	2.05
30	d	610	KC2	MG-ND	-4.31	1.97	2.05
37	R	203	8CT	C19-C20	4.31	1.56	1.43
37	A	845	8CT	C19-C20	4.31	1.56	1.43
37	B	845	8CT	C19-C20	4.30	1.56	1.43
37	Z	308	8CT	C19-C20	4.30	1.56	1.43
37	K	103	8CT	C19-C20	4.28	1.56	1.43
37	L	205	8CT	C19-C20	4.27	1.56	1.43
37	B	852	8CT	C19-C20	4.26	1.56	1.43
37	A	846	8CT	C19-C20	4.25	1.56	1.43
30	c	614	KC2	MG-NB	-4.25	1.97	2.05
30	e	605	KC2	CHC-C1C	4.23	1.48	1.39
37	B	846	8CT	C19-C20	4.23	1.56	1.43
30	c	614	KC2	CHC-C1C	4.21	1.48	1.39
30	c	614	KC2	CHC-C4B	4.18	1.46	1.38
30	4	605	KC2	CHC-C1C	4.18	1.48	1.39
30	b	605	KC2	CHC-C1C	4.18	1.48	1.39
37	A	844	8CT	C19-C20	4.18	1.56	1.43
37	B	847	8CT	C19-C20	4.16	1.56	1.43
30	7	313	KC2	CHC-C1C	4.15	1.48	1.39
30	6	610	KC2	MG-NB	-4.15	1.97	2.05
30	b	609	KC2	CHC-C1C	4.15	1.48	1.39
30	4	605	KC2	MG-NB	-4.13	1.97	2.05
30	2	610	KC2	CHC-C1C	4.13	1.48	1.39
37	K	103	8CT	C24-C25	4.13	1.56	1.43
30	3	307	KC2	CHC-C1C	4.13	1.48	1.39
30	5	610	KC2	CHC-C1C	4.12	1.48	1.39
30	1	610	KC2	CHC-C1C	4.11	1.48	1.39
30	e	609	KC2	CHC-C1C	4.11	1.48	1.39
30	7	313	KC2	CHC-C4B	4.11	1.46	1.38
30	7	313	KC2	MG-NB	-4.10	1.97	2.05
30	b	605	KC2	MG-NB	-4.10	1.97	2.05
30	b	605	KC2	CHC-C4B	4.09	1.46	1.38
30	d	610	KC2	CHC-C1C	4.09	1.48	1.39
30	3	307	KC2	MG-NB	-4.09	1.97	2.05
30	c	611	KC2	CHC-C1C	4.09	1.48	1.39
30	2	610	KC2	MG-NB	-4.08	1.97	2.05
30	6	610	KC2	CHC-C1C	4.08	1.48	1.39
30	e	605	KC2	CHC-C4B	4.08	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	B	848	8CT	C24-C25	4.08	1.55	1.43
30	4	605	KC2	CHC-C4B	4.07	1.46	1.38
30	5	610	KC2	MG-NB	-4.07	1.97	2.05
30	Z	306	KC2	CHC-C1C	4.07	1.48	1.39
37	B	843	8CT	C24-C25	4.07	1.55	1.43
30	c	611	KC2	MG-NB	-4.07	1.97	2.05
30	7	310	KC2	CHC-C1C	4.06	1.48	1.39
30	e	605	KC2	MG-NB	-4.06	1.97	2.05
30	a	610	KC2	CHC-C1C	4.06	1.48	1.39
30	9	311	KC2	CHC-C1C	4.06	1.48	1.39
30	6	613	KC2	CHC-C1C	4.05	1.48	1.39
37	B	851	8CT	C24-C25	4.04	1.55	1.43
37	Z	307	8CT	C24-C25	4.04	1.55	1.43
30	Z	306	KC2	MG-NB	-4.04	1.97	2.05
37	B	844	8CT	C24-C25	4.04	1.55	1.43
30	c	610	KC2	CHC-C1C	4.03	1.48	1.39
37	R	203	8CT	C24-C25	4.02	1.55	1.43
30	a	610	KC2	MG-NB	-4.02	1.97	2.05
30	b	609	KC2	MG-NB	-4.01	1.97	2.05
30	2	610	KC2	CHC-C4B	4.01	1.46	1.38
30	c	610	KC2	MG-NB	-4.00	1.97	2.05
30	e	609	KC2	MG-NB	-4.00	1.97	2.05
37	L	205	8CT	C24-C25	3.99	1.55	1.43
30	6	613	KC2	MG-NB	-3.99	1.97	2.05
37	M	101	8CT	C24-C25	3.99	1.55	1.43
37	F	203	8CT	C24-C25	3.99	1.55	1.43
30	Z	306	KC2	CHC-C4B	3.99	1.46	1.38
30	a	610	KC2	CHC-C4B	3.99	1.46	1.38
30	d	610	KC2	CHC-C4B	3.99	1.46	1.38
30	b	609	KC2	CHC-C4B	3.99	1.46	1.38
30	3	307	KC2	CHC-C4B	3.98	1.46	1.38
37	A	847	8CT	C24-C25	3.98	1.55	1.43
30	7	310	KC2	MG-NB	-3.97	1.97	2.05
37	B	846	8CT	C24-C25	3.97	1.55	1.43
30	9	311	KC2	MG-NB	-3.96	1.97	2.05
30	c	611	KC2	CHC-C4B	3.96	1.46	1.38
37	A	845	8CT	C24-C25	3.96	1.55	1.43
37	J	104	8CT	C24-C25	3.96	1.55	1.43
30	e	609	KC2	CHC-C4B	3.96	1.46	1.38
30	5	610	KC2	CHC-C4B	3.96	1.46	1.38
30	d	610	KC2	MG-NB	-3.95	1.98	2.05
37	B	845	8CT	C24-C25	3.95	1.55	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	Z	308	8CT	C24-C25	3.93	1.55	1.43
30	7	310	KC2	CHC-C4B	3.92	1.46	1.38
30	c	610	KC2	CHC-C4B	3.92	1.46	1.38
30	9	311	KC2	CHC-C4B	3.91	1.46	1.38
30	6	610	KC2	CHC-C4B	3.88	1.46	1.38
30	1	610	KC2	MG-NB	-3.88	1.98	2.05
37	I	101	8CT	C24-C25	3.87	1.55	1.43
30	6	613	KC2	CHC-C4B	3.86	1.45	1.38
37	A	846	8CT	C24-C25	3.86	1.55	1.43
30	1	610	KC2	CHC-C4B	3.86	1.45	1.38
37	B	847	8CT	C24-C25	3.86	1.55	1.43
29	B	829	CLA	C1D-ND	3.86	1.42	1.37
37	B	852	8CT	C24-C25	3.84	1.55	1.43
37	A	844	8CT	C24-C25	3.82	1.55	1.43
37	B	844	8CT	C14-C13	3.80	1.55	1.43
37	B	851	8CT	C14-C13	3.79	1.54	1.43
37	F	203	8CT	C14-C13	3.78	1.54	1.43
36	O	207	SQD	O47-C45	-3.77	1.37	1.46
37	I	101	8CT	C14-C13	3.76	1.54	1.43
37	B	845	8CT	C14-C13	3.75	1.54	1.43
37	B	848	8CT	C14-C13	3.74	1.54	1.43
37	J	104	8CT	C14-C13	3.73	1.54	1.43
36	3	322	SQD	O47-C45	-3.73	1.37	1.46
37	B	843	8CT	C14-C13	3.71	1.54	1.43
36	9	301	SQD	O47-C45	-3.71	1.37	1.46
36	a	618	SQD	O47-C45	-3.70	1.37	1.46
37	Z	307	8CT	C14-C13	3.70	1.54	1.43
37	M	101	8CT	C14-C13	3.69	1.54	1.43
37	B	843	8CT	C28-C29	3.69	1.40	1.32
29	c	613	CLA	C1D-ND	3.69	1.42	1.37
37	B	846	8CT	C28-C29	3.68	1.40	1.32
37	B	843	8CT	C35-C30	3.68	1.66	1.56
36	B	850	SQD	O47-C45	-3.68	1.37	1.46
37	A	846	8CT	C14-C13	3.67	1.54	1.43
37	I	101	8CT	C11-C12	3.67	1.53	1.46
37	L	205	8CT	C14-C13	3.66	1.54	1.43
36	7	321	SQD	O47-C45	-3.66	1.38	1.46
37	R	203	8CT	C14-C13	3.65	1.54	1.43
37	B	851	8CT	C11-C12	3.64	1.53	1.46
37	B	852	8CT	C14-C13	3.64	1.54	1.43
37	K	103	8CT	C14-C13	3.63	1.54	1.43
37	K	103	8CT	C28-C29	3.63	1.40	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	B	843	8CT	C11-C12	3.63	1.53	1.46
37	R	203	8CT	C11-C12	3.63	1.53	1.46
29	6	607	CLA	C1D-ND	3.63	1.42	1.37
36	3	320	SQD	O47-C45	-3.62	1.38	1.46
37	A	847	8CT	C14-C13	3.62	1.54	1.43
37	B	848	8CT	C28-C29	3.62	1.40	1.32
37	A	845	8CT	C14-C13	3.62	1.54	1.43
29	5	613	CLA	C1D-ND	3.61	1.42	1.37
29	a	601	CLA	C1D-ND	3.61	1.42	1.37
37	Z	307	8CT	C01-C02	3.61	1.56	1.50
37	M	101	8CT	C28-C29	3.61	1.40	1.32
29	A	811	CLA	C1D-ND	3.60	1.42	1.37
29	A	826	CLA	C1D-ND	3.60	1.42	1.37
37	Z	308	8CT	C14-C13	3.60	1.54	1.43
29	6	609	CLA	C1D-ND	3.60	1.42	1.37
29	1	601	CLA	C1D-ND	3.59	1.42	1.37
37	B	845	8CT	C28-C29	3.58	1.40	1.32
29	d	606	CLA	C1D-ND	3.58	1.42	1.37
29	1	604	CLA	C1D-ND	3.58	1.42	1.37
29	A	819	CLA	C1D-ND	3.57	1.42	1.37
29	A	810	CLA	C1D-ND	3.57	1.42	1.37
29	2	612	CLA	C1D-ND	3.57	1.42	1.37
29	5	601	CLA	C1D-ND	3.56	1.42	1.37
29	4	610	CLA	C1D-ND	3.56	1.42	1.37
37	Z	307	8CT	C28-C29	3.56	1.40	1.32
29	5	607	CLA	C1D-ND	3.56	1.42	1.37
37	B	848	8CT	C11-C12	3.55	1.53	1.46
37	A	844	8CT	C14-C13	3.55	1.54	1.43
29	8	307	CLA	C1D-ND	3.55	1.42	1.37
29	d	604	CLA	C1D-ND	3.55	1.42	1.37
29	3	310	CLA	C1D-ND	3.55	1.42	1.37
29	c	606	CLA	C1D-ND	3.55	1.42	1.37
29	e	604	CLA	C1D-ND	3.55	1.42	1.37
37	L	205	8CT	C28-C29	3.55	1.40	1.32
29	1	613	CLA	C1D-ND	3.55	1.42	1.37
36	B	850	SQD	O5-C1	3.55	1.51	1.41
29	5	611	CLA	C1D-ND	3.55	1.42	1.37
29	9	310	CLA	C1D-ND	3.54	1.42	1.37
29	9	307	CLA	C1D-ND	3.54	1.42	1.37
29	A	853	CLA	C1D-ND	3.54	1.42	1.37
37	B	847	8CT	C14-C13	3.54	1.54	1.43
29	6	612	CLA	C1D-ND	3.54	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	7	309	CLA	C1D-ND	3.54	1.42	1.37
37	B	844	8CT	C11-C12	3.54	1.53	1.46
29	9	314	CLA	C1D-ND	3.54	1.42	1.37
29	K	102	CLA	C1D-ND	3.54	1.42	1.37
29	1	603	CLA	C1D-ND	3.54	1.42	1.37
29	Z	304	CLA	C1D-ND	3.54	1.42	1.37
36	9	301	SQD	O5-C1	3.53	1.50	1.41
29	e	611	CLA	C1D-ND	3.53	1.42	1.37
37	L	205	8CT	C35-C30	3.53	1.66	1.56
37	J	104	8CT	C11-C12	3.53	1.53	1.46
37	B	846	8CT	C35-C30	3.53	1.66	1.56
29	5	612	CLA	C1D-ND	3.53	1.42	1.37
29	B	827	CLA	C1D-ND	3.53	1.42	1.37
29	7	305	CLA	C1D-ND	3.53	1.42	1.37
37	A	846	8CT	C11-C12	3.53	1.53	1.46
29	e	608	CLA	C1D-ND	3.53	1.42	1.37
37	B	852	8CT	C11-C12	3.53	1.53	1.46
29	5	605	CLA	C1D-ND	3.52	1.42	1.37
29	9	308	CLA	C1D-ND	3.52	1.42	1.37
29	A	842	CLA	C1D-ND	3.52	1.42	1.37
29	c	612	CLA	C1D-ND	3.52	1.42	1.37
29	5	609	CLA	C1D-ND	3.52	1.42	1.37
29	B	817	CLA	C1D-ND	3.52	1.42	1.37
29	B	826	CLA	C1D-ND	3.52	1.42	1.37
29	O	204	CLA	C1D-ND	3.52	1.42	1.37
29	1	605	CLA	C1D-ND	3.52	1.42	1.37
29	9	309	CLA	C1D-ND	3.52	1.42	1.37
29	1	609	CLA	C1D-ND	3.51	1.42	1.37
29	1	608	CLA	C1D-ND	3.51	1.42	1.37
29	3	313	CLA	C1D-ND	3.51	1.42	1.37
29	8	306	CLA	C1D-ND	3.51	1.42	1.37
29	9	315	CLA	C1D-ND	3.51	1.42	1.37
37	R	203	8CT	C28-C29	3.51	1.40	1.32
29	d	601	CLA	C1D-ND	3.51	1.42	1.37
37	K	103	8CT	C11-C12	3.51	1.53	1.46
29	4	609	CLA	C1D-ND	3.51	1.42	1.37
29	d	612	CLA	C1D-ND	3.51	1.42	1.37
37	A	846	8CT	C01-C02	3.50	1.56	1.50
29	9	306	CLA	C1D-ND	3.50	1.42	1.37
29	c	609	CLA	C1D-ND	3.50	1.42	1.37
37	Z	307	8CT	C11-C12	3.50	1.53	1.46
29	2	601	CLA	C1D-ND	3.50	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	L	205	8CT	C11-C12	3.50	1.53	1.46
29	e	601	CLA	C1D-ND	3.50	1.42	1.37
29	c	605	CLA	C1D-ND	3.50	1.42	1.37
29	4	604	CLA	C1D-ND	3.50	1.42	1.37
29	c	601	CLA	C1D-ND	3.50	1.42	1.37
29	d	611	CLA	C1D-ND	3.50	1.42	1.37
29	7	304	CLA	C1D-ND	3.49	1.42	1.37
37	M	101	8CT	C35-C30	3.49	1.66	1.56
37	F	203	8CT	C11-C12	3.49	1.53	1.46
29	9	304	CLA	C1D-ND	3.49	1.42	1.37
37	A	845	8CT	C11-C12	3.49	1.53	1.46
29	e	606	CLA	C1D-ND	3.49	1.42	1.37
29	c	604	CLA	C1D-ND	3.49	1.42	1.37
29	9	302	CLA	C1D-ND	3.49	1.42	1.37
29	A	806	CLA	C1D-ND	3.49	1.42	1.37
29	2	607	CLA	C1D-ND	3.48	1.42	1.37
29	A	816	CLA	C1D-ND	3.48	1.42	1.37
29	1	606	CLA	C1D-ND	3.48	1.42	1.37
37	B	846	8CT	C01-C02	3.48	1.56	1.50
37	B	847	8CT	C01-C02	3.48	1.56	1.50
37	B	846	8CT	C14-C13	3.48	1.54	1.43
29	b	608	CLA	C1D-ND	3.48	1.42	1.37
29	2	603	CLA	C1D-ND	3.48	1.42	1.37
29	b	601	CLA	C1D-ND	3.48	1.42	1.37
37	B	844	8CT	C28-C29	3.48	1.40	1.32
29	7	302	CLA	C1D-ND	3.48	1.42	1.37
29	d	603	CLA	C1D-ND	3.48	1.42	1.37
37	B	851	8CT	C35-C30	3.48	1.66	1.56
29	5	608	CLA	C1D-ND	3.48	1.42	1.37
29	b	606	CLA	C1D-ND	3.48	1.42	1.37
29	9	312	CLA	C1D-ND	3.47	1.42	1.37
29	4	608	CLA	C1D-ND	3.47	1.42	1.37
29	a	606	CLA	C1D-ND	3.47	1.42	1.37
29	1	607	CLA	C1D-ND	3.47	1.42	1.37
29	Z	302	CLA	C1D-ND	3.47	1.42	1.37
37	I	101	8CT	C01-C02	3.47	1.56	1.50
29	8	305	CLA	C1D-ND	3.47	1.42	1.37
29	O	202	CLA	C1D-ND	3.47	1.42	1.37
29	R	202	CLA	C1D-ND	3.46	1.42	1.37
29	a	604	CLA	C1D-ND	3.46	1.42	1.37
37	B	851	8CT	C01-C02	3.46	1.56	1.50
29	b	610	CLA	C1D-ND	3.46	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	4	603	CLA	C1D-ND	3.46	1.42	1.37
29	A	837	CLA	C1D-ND	3.46	1.42	1.37
37	B	847	8CT	C11-C12	3.46	1.53	1.46
29	c	608	CLA	C1D-ND	3.46	1.42	1.37
29	2	611	CLA	C1D-ND	3.46	1.42	1.37
29	L	203	CLA	C1D-ND	3.46	1.42	1.37
29	B	825	CLA	C1D-ND	3.46	1.42	1.37
29	X	301	CLA	C1D-ND	3.46	1.42	1.37
37	A	844	8CT	C28-C29	3.46	1.40	1.32
29	O	201	CLA	C1D-ND	3.46	1.42	1.37
29	b	603	CLA	C1D-ND	3.46	1.42	1.37
29	1	611	CLA	C1D-ND	3.46	1.42	1.37
29	7	311	CLA	C1D-ND	3.46	1.42	1.37
29	1	612	CLA	C1D-ND	3.46	1.42	1.37
29	c	603	CLA	C1D-ND	3.45	1.42	1.37
30	c	614	KC2	CHD-C1D	3.45	1.47	1.39
29	7	312	CLA	C1D-ND	3.45	1.42	1.37
29	B	821	CLA	C1D-ND	3.45	1.42	1.37
29	F	202	CLA	C1D-ND	3.45	1.42	1.37
29	a	609	CLA	C1D-ND	3.45	1.42	1.37
29	d	609	CLA	C1D-ND	3.45	1.42	1.37
37	B	845	8CT	C11-C12	3.45	1.53	1.46
36	O	207	SQD	O5-C1	3.44	1.50	1.41
29	9	303	CLA	C1D-ND	3.44	1.42	1.37
29	b	611	CLA	C1D-ND	3.44	1.42	1.37
29	d	608	CLA	C1D-ND	3.44	1.42	1.37
29	A	801	CLA	C1D-ND	3.44	1.42	1.37
29	O	203	CLA	C1D-ND	3.44	1.42	1.37
29	3	302	CLA	C1D-ND	3.44	1.42	1.37
29	B	810	CLA	C1D-ND	3.44	1.42	1.37
37	B	848	8CT	C35-C30	3.44	1.66	1.56
29	7	306	CLA	C1D-ND	3.44	1.42	1.37
29	B	828	CLA	C1D-ND	3.44	1.42	1.37
29	d	607	CLA	C1D-ND	3.44	1.42	1.37
29	A	822	CLA	C1D-ND	3.43	1.42	1.37
29	B	807	CLA	C1D-ND	3.43	1.42	1.37
37	B	845	8CT	C01-C02	3.43	1.56	1.50
29	A	836	CLA	C1D-ND	3.43	1.42	1.37
29	A	838	CLA	C1D-ND	3.43	1.42	1.37
29	2	609	CLA	C1D-ND	3.43	1.42	1.37
29	B	822	CLA	C1D-ND	3.43	1.42	1.37
29	e	602	CLA	C1D-ND	3.43	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	B	838	CLA	C1D-ND	3.43	1.42	1.37
29	B	833	CLA	C1D-ND	3.43	1.42	1.37
37	F	203	8CT	C28-C29	3.43	1.40	1.32
29	2	606	CLA	C1D-ND	3.43	1.42	1.37
37	B	851	8CT	C28-C29	3.42	1.40	1.32
29	6	611	CLA	C1D-ND	3.42	1.42	1.37
29	4	611	CLA	C1D-ND	3.42	1.42	1.37
29	7	308	CLA	C1D-ND	3.42	1.42	1.37
29	B	824	CLA	C1D-ND	3.42	1.42	1.37
29	b	607	CLA	C1D-ND	3.42	1.42	1.37
29	A	805	CLA	C1D-ND	3.42	1.42	1.37
29	B	837	CLA	C1D-ND	3.42	1.42	1.37
29	4	607	CLA	C1D-ND	3.41	1.42	1.37
29	a	608	CLA	C1D-ND	3.41	1.42	1.37
29	e	610	CLA	C1D-ND	3.41	1.42	1.37
37	L	205	8CT	C01-C02	3.41	1.56	1.50
29	5	603	CLA	C1D-ND	3.41	1.42	1.37
29	e	603	CLA	C1D-ND	3.41	1.42	1.37
36	a	618	SQD	O5-C1	3.41	1.50	1.41
29	2	605	CLA	C1D-ND	3.41	1.42	1.37
37	J	104	8CT	C01-C02	3.41	1.56	1.50
29	b	604	CLA	C1D-ND	3.41	1.42	1.37
29	3	306	CLA	C1D-ND	3.41	1.42	1.37
37	J	104	8CT	C28-C29	3.41	1.40	1.32
29	7	307	CLA	C1D-ND	3.41	1.42	1.37
29	B	836	CLA	C1D-ND	3.41	1.42	1.37
29	9	305	CLA	C1D-ND	3.40	1.42	1.37
29	B	804	CLA	C1D-ND	3.40	1.42	1.37
29	2	604	CLA	C1D-ND	3.40	1.42	1.37
29	6	605	CLA	C1D-ND	3.40	1.42	1.37
29	8	303	CLA	C1D-ND	3.40	1.42	1.37
29	A	841	CLA	C1D-ND	3.40	1.42	1.37
29	6	606	CLA	C1D-ND	3.40	1.42	1.37
29	A	812	CLA	C1D-ND	3.40	1.42	1.37
29	A	843	CLA	C1D-ND	3.40	1.42	1.37
29	A	825	CLA	C1D-ND	3.40	1.42	1.37
37	M	101	8CT	C01-C02	3.40	1.56	1.50
29	9	313	CLA	C1D-ND	3.40	1.42	1.37
29	B	820	CLA	C1D-ND	3.39	1.42	1.37
37	b	615	8CT	C11-C12	-3.39	1.38	1.46
29	A	835	CLA	C1D-ND	3.39	1.42	1.37
29	B	834	CLA	C1D-ND	3.39	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	A	820	CLA	C1D-ND	3.39	1.42	1.37
37	A	847	8CT	C28-C29	3.39	1.40	1.32
29	6	601	CLA	C1D-ND	3.39	1.42	1.37
29	A	818	CLA	C1D-ND	3.39	1.42	1.37
29	B	813	CLA	C1D-ND	3.39	1.42	1.37
29	8	302	CLA	C1D-ND	3.39	1.42	1.37
37	B	843	8CT	C01-C02	3.39	1.56	1.50
29	B	816	CLA	C1D-ND	3.39	1.42	1.37
29	c	607	CLA	C1D-ND	3.39	1.42	1.37
29	B	806	CLA	C1D-ND	3.39	1.42	1.37
29	Z	303	CLA	C1D-ND	3.39	1.42	1.37
29	A	824	CLA	C1D-ND	3.38	1.42	1.37
37	B	847	8CT	C28-C29	3.38	1.40	1.32
29	4	602	CLA	C1D-ND	3.38	1.42	1.37
29	A	815	CLA	C1D-ND	3.38	1.42	1.37
29	a	605	CLA	C1D-ND	3.38	1.42	1.37
37	B	844	8CT	C01-C02	3.38	1.56	1.50
29	5	606	CLA	C1D-ND	3.38	1.42	1.37
29	6	608	CLA	C1D-ND	3.38	1.42	1.37
29	B	818	CLA	C1D-ND	3.38	1.42	1.37
29	B	835	CLA	C1D-ND	3.38	1.42	1.37
29	3	311	CLA	C1D-ND	3.37	1.42	1.37
29	8	304	CLA	C1D-ND	3.37	1.42	1.37
29	a	607	CLA	C1D-ND	3.37	1.42	1.37
29	6	603	CLA	C1D-ND	3.37	1.42	1.37
29	A	813	CLA	C1D-ND	3.37	1.42	1.37
37	K	103	8CT	C35-C30	3.37	1.65	1.56
29	8	301	CLA	C1D-ND	3.37	1.42	1.37
29	B	814	CLA	C1D-ND	3.37	1.42	1.37
37	A	847	8CT	C11-C12	3.37	1.53	1.46
29	A	803	CLA	C1D-ND	3.37	1.42	1.37
29	A	823	CLA	C1D-ND	3.37	1.42	1.37
29	F	201	CLA	C1D-ND	3.37	1.42	1.37
29	B	812	CLA	C1D-ND	3.36	1.42	1.37
37	Z	308	8CT	C11-C12	3.36	1.53	1.46
29	6	602	CLA	C1D-ND	3.36	1.42	1.37
29	3	303	CLA	C1D-ND	3.36	1.42	1.37
29	B	805	CLA	C1D-ND	3.36	1.42	1.37
30	3	307	KC2	CHD-C1D	3.36	1.47	1.39
36	7	321	SQD	O5-C1	3.36	1.50	1.41
29	4	606	CLA	C1D-ND	3.36	1.42	1.37
29	e	607	CLA	C1D-ND	3.36	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	B	839	CLA	C1D-ND	3.36	1.42	1.37
30	6	613	KC2	CHD-C1D	3.36	1.46	1.39
36	7	321	SQD	O47-C7	3.35	1.43	1.34
29	3	308	CLA	C1D-ND	3.35	1.42	1.37
37	F	203	8CT	C01-C02	3.35	1.56	1.50
29	Z	305	CLA	C1D-ND	3.35	1.42	1.37
29	c	602	CLA	C1D-ND	3.35	1.42	1.37
37	Z	308	8CT	C01-C02	3.35	1.56	1.50
36	3	320	SQD	O5-C1	3.35	1.50	1.41
29	J	103	CLA	C1D-ND	3.35	1.42	1.37
29	a	612	CLA	C1D-ND	3.35	1.42	1.37
37	R	203	8CT	C01-C02	3.35	1.56	1.50
37	A	845	8CT	C01-C02	3.35	1.56	1.50
29	3	305	CLA	C1D-ND	3.35	1.42	1.37
29	a	603	CLA	C1D-ND	3.35	1.42	1.37
29	d	602	CLA	C1D-ND	3.34	1.42	1.37
29	b	602	CLA	C1D-ND	3.34	1.42	1.37
30	c	611	KC2	CHD-C1D	3.34	1.46	1.39
29	a	602	CLA	C1D-ND	3.34	1.42	1.37
29	a	611	CLA	C1D-ND	3.34	1.42	1.37
37	A	844	8CT	C35-C30	3.34	1.65	1.56
37	B	847	8CT	C35-C30	3.34	1.65	1.56
29	A	802	CLA	C1D-ND	3.33	1.42	1.37
29	1	602	CLA	C1D-ND	3.33	1.42	1.37
29	c	615	CLA	C1D-ND	3.33	1.42	1.37
29	6	604	CLA	C1D-ND	3.33	1.42	1.37
29	A	817	CLA	C1D-ND	3.33	1.42	1.37
29	L	201	CLA	C1D-ND	3.33	1.42	1.37
30	2	610	KC2	CHD-C1D	3.33	1.46	1.39
37	J	104	8CT	C35-C30	3.33	1.65	1.56
29	7	303	CLA	C1D-ND	3.33	1.42	1.37
29	B	823	CLA	C1D-ND	3.32	1.42	1.37
37	I	101	8CT	C28-C29	3.32	1.39	1.32
30	c	610	KC2	CHD-C1D	3.32	1.46	1.39
29	2	608	CLA	C1D-ND	3.32	1.42	1.37
30	4	605	KC2	CHD-C1D	3.32	1.46	1.39
29	4	601	CLA	C1D-ND	3.32	1.42	1.37
29	A	830	CLA	C1D-ND	3.32	1.42	1.37
37	A	845	8CT	C28-C29	3.32	1.39	1.32
37	M	101	8CT	C11-C12	3.32	1.53	1.46
37	B	848	8CT	C01-C02	3.32	1.56	1.50
29	A	821	CLA	C1D-ND	3.31	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
30	d	610	KC2	CHD-C1D	3.31	1.46	1.39
29	A	829	CLA	C1D-ND	3.31	1.42	1.37
29	A	832	CLA	C1D-ND	3.31	1.42	1.37
29	3	304	CLA	C1D-ND	3.31	1.42	1.37
37	Z	308	8CT	C35-C30	3.31	1.65	1.56
37	Z	308	8CT	C28-C29	3.31	1.39	1.32
29	B	819	CLA	C1D-ND	3.30	1.42	1.37
36	B	850	SQD	O47-C7	3.30	1.43	1.34
37	R	203	8CT	C35-C30	3.30	1.65	1.56
37	F	203	8CT	C35-C30	3.30	1.65	1.56
37	A	846	8CT	C28-C29	3.30	1.39	1.32
29	B	811	CLA	C1D-ND	3.30	1.42	1.37
29	2	602	CLA	C1D-ND	3.29	1.42	1.37
29	B	840	CLA	C1D-ND	3.29	1.42	1.37
36	3	322	SQD	O5-C1	3.29	1.50	1.41
29	A	855	CLA	C1D-ND	3.29	1.42	1.37
30	6	610	KC2	CHD-C1D	3.29	1.46	1.39
30	5	610	KC2	CHD-C1D	3.29	1.46	1.39
30	a	610	KC2	CHD-C1D	3.29	1.46	1.39
29	A	808	CLA	C1D-ND	3.28	1.42	1.37
37	B	844	8CT	C35-C30	3.28	1.65	1.56
30	Z	306	KC2	CHD-C1D	3.28	1.46	1.39
37	A	844	8CT	C11-C12	3.28	1.53	1.46
37	A	847	8CT	C01-C02	3.28	1.56	1.50
29	3	312	CLA	C1D-ND	3.28	1.42	1.37
37	B	848	8CT	C30-C29	3.28	1.55	1.50
29	d	605	CLA	C1D-ND	3.28	1.42	1.37
29	A	809	CLA	C1D-ND	3.28	1.42	1.37
29	B	809	CLA	C1D-ND	3.27	1.42	1.37
29	3	309	CLA	C1D-ND	3.27	1.42	1.37
29	A	831	CLA	C1D-ND	3.27	1.42	1.37
30	9	311	KC2	CHD-C1D	3.27	1.46	1.39
30	e	609	KC2	CHD-C1D	3.27	1.46	1.39
29	B	815	CLA	C1D-ND	3.26	1.42	1.37
29	B	808	CLA	C1D-ND	3.26	1.42	1.37
30	7	313	KC2	CHD-C1D	3.26	1.46	1.39
36	3	320	SQD	O47-C7	3.26	1.43	1.34
37	K	103	8CT	C01-C02	3.26	1.56	1.50
29	A	807	CLA	C1D-ND	3.26	1.42	1.37
36	9	301	SQD	O47-C7	3.26	1.43	1.34
30	b	609	KC2	CHD-C1D	3.26	1.46	1.39
29	B	841	CLA	C1D-ND	3.25	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
30	e	605	KC2	CHD-C1D	3.25	1.46	1.39
30	7	310	KC2	CHD-C1D	3.25	1.46	1.39
37	B	852	8CT	C01-C02	3.24	1.56	1.50
29	A	841	CLA	C4B-NB	3.24	1.42	1.37
37	K	103	8CT	C07-C02	-3.24	1.45	1.51
29	A	833	CLA	C1D-ND	3.24	1.42	1.37
29	7	312	CLA	C4B-NB	3.24	1.42	1.37
29	A	828	CLA	C1D-ND	3.23	1.42	1.37
30	1	610	KC2	CHD-C1D	3.23	1.46	1.39
37	A	844	8CT	C01-C02	3.23	1.56	1.50
29	8	308	CLA	C1D-ND	3.23	1.42	1.37
29	B	832	CLA	C1D-ND	3.23	1.42	1.37
29	A	834	CLA	C1D-ND	3.23	1.42	1.37
37	B	845	8CT	C35-C30	3.23	1.65	1.56
29	5	612	CLA	C4B-NB	3.22	1.42	1.37
29	3	312	CLA	C4B-NB	3.22	1.42	1.37
29	a	606	CLA	C4B-NB	3.22	1.42	1.37
37	B	852	8CT	C35-C30	3.22	1.65	1.56
29	A	854	CLA	C1D-ND	3.22	1.42	1.37
29	K	101	CLA	C1D-ND	3.22	1.42	1.37
29	A	804	CLA	C1D-ND	3.21	1.42	1.37
30	b	605	KC2	CHD-C1D	3.21	1.46	1.39
36	a	618	SQD	O47-C7	3.21	1.43	1.34
29	B	830	CLA	C1D-ND	3.21	1.42	1.37
36	3	322	SQD	O47-C7	3.21	1.43	1.34
37	J	104	8CT	C07-C02	-3.21	1.45	1.51
29	8	317	CLA	C1D-ND	3.21	1.42	1.37
37	R	203	8CT	C07-C02	-3.21	1.45	1.51
29	c	606	CLA	C4B-NB	3.21	1.42	1.37
37	A	847	8CT	C35-C30	3.21	1.65	1.56
29	9	313	CLA	C4B-NB	3.21	1.42	1.37
29	A	810	CLA	C4B-NB	3.20	1.42	1.37
36	O	207	SQD	O47-C7	3.20	1.43	1.34
37	M	101	8CT	C30-C29	3.19	1.55	1.50
29	B	802	CLA	C1D-ND	3.19	1.42	1.37
29	B	831	CLA	C1D-ND	3.19	1.42	1.37
29	A	821	CLA	C4B-NB	3.18	1.42	1.37
29	5	602	CLA	C1D-ND	3.17	1.42	1.37
29	A	834	CLA	C4B-NB	3.17	1.42	1.37
29	9	308	CLA	C4B-NB	3.17	1.42	1.37
29	2	604	CLA	C4B-NB	3.17	1.42	1.37
29	3	313	CLA	C4B-NB	3.17	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	L	202	CLA	C1D-ND	3.16	1.42	1.37
29	B	803	CLA	C1D-ND	3.16	1.42	1.37
37	A	846	8CT	C35-C30	3.16	1.65	1.56
29	A	833	CLA	C4B-NB	3.15	1.42	1.37
29	7	307	CLA	C4B-NB	3.15	1.42	1.37
29	5	606	CLA	C4B-NB	3.15	1.42	1.37
29	1	612	CLA	C4B-NB	3.15	1.42	1.37
29	1	605	CLA	C4B-NB	3.14	1.42	1.37
29	c	612	CLA	C4B-NB	3.14	1.42	1.37
29	B	829	CLA	C4B-NB	3.14	1.42	1.37
29	2	612	CLA	C4B-NB	3.14	1.42	1.37
29	9	306	CLA	C4B-NB	3.14	1.42	1.37
29	2	601	CLA	C4B-NB	3.13	1.42	1.37
29	1	601	CLA	C4B-NB	3.13	1.42	1.37
29	a	605	CLA	C4B-NB	3.13	1.42	1.37
29	R	202	CLA	C4B-NB	3.13	1.42	1.37
29	d	606	CLA	C4B-NB	3.13	1.42	1.37
37	B	852	8CT	C28-C29	3.13	1.39	1.32
29	6	601	CLA	C4B-NB	3.13	1.42	1.37
37	B	843	8CT	C30-C29	3.12	1.55	1.50
37	7	318	8CT	C11-C12	-3.12	1.39	1.46
37	A	844	8CT	C07-C02	-3.12	1.45	1.51
29	A	814	CLA	C1D-ND	3.12	1.42	1.37
29	1	613	CLA	C4B-NB	3.12	1.42	1.37
37	B	846	8CT	C11-C12	3.12	1.52	1.46
29	B	810	CLA	C4B-NB	3.12	1.42	1.37
37	I	101	8CT	C10-C03	3.12	1.55	1.45
29	6	612	CLA	C4B-NB	3.12	1.42	1.37
29	A	839	CLA	C4B-NB	3.11	1.42	1.37
29	5	601	CLA	C4B-NB	3.11	1.41	1.37
29	A	805	CLA	C4B-NB	3.11	1.41	1.37
29	6	607	CLA	C4B-NB	3.11	1.41	1.37
37	e	616	8CT	C11-C12	-3.10	1.39	1.46
29	1	604	CLA	C4B-NB	3.10	1.41	1.37
29	8	302	CLA	C4B-NB	3.10	1.41	1.37
37	A	847	8CT	C07-C02	-3.10	1.45	1.51
29	5	605	CLA	C4B-NB	3.10	1.41	1.37
29	A	819	CLA	C4B-NB	3.10	1.41	1.37
29	9	315	CLA	C4B-NB	3.09	1.41	1.37
29	e	601	CLA	C4B-NB	3.09	1.41	1.37
29	A	837	CLA	C4B-NB	3.09	1.41	1.37
29	Z	304	CLA	C4B-NB	3.09	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	B	846	8CT	C30-C29	3.09	1.55	1.50
29	5	604	CLA	C1D-ND	3.09	1.41	1.37
37	b	615	8CT	C28-C26	-3.09	1.39	1.46
29	5	603	CLA	C4B-NB	3.09	1.41	1.37
29	J	103	CLA	C4B-NB	3.09	1.41	1.37
29	d	611	CLA	C4B-NB	3.09	1.41	1.37
29	6	606	CLA	C4B-NB	3.08	1.41	1.37
37	M	101	8CT	C07-C02	-3.08	1.45	1.51
29	5	604	CLA	C4B-NB	3.08	1.41	1.37
29	A	839	CLA	C1D-ND	3.08	1.41	1.37
29	A	840	CLA	C1D-ND	3.08	1.41	1.37
37	B	843	8CT	C10-C03	3.07	1.55	1.45
29	K	102	CLA	C4B-NB	3.07	1.41	1.37
29	e	611	CLA	C4B-NB	3.07	1.41	1.37
37	Z	307	8CT	C10-C03	3.07	1.55	1.45
36	3	320	SQD	C24-C23	3.07	1.59	1.50
29	a	612	CLA	C4B-NB	3.06	1.41	1.37
37	K	103	8CT	C30-C29	3.06	1.54	1.50
29	b	603	CLA	C4B-NB	3.06	1.41	1.37
37	B	851	8CT	C10-C03	3.06	1.55	1.45
29	7	306	CLA	C4B-NB	3.06	1.41	1.37
29	a	604	CLA	C4B-NB	3.06	1.41	1.37
29	b	601	CLA	C4B-NB	3.06	1.41	1.37
37	B	852	8CT	C07-C02	-3.06	1.45	1.51
37	B	846	8CT	C07-C02	-3.06	1.45	1.51
29	A	827	CLA	C1D-ND	3.06	1.41	1.37
29	B	839	CLA	C4B-NB	3.06	1.41	1.37
29	2	606	CLA	C4B-NB	3.06	1.41	1.37
29	d	605	CLA	C4B-NB	3.06	1.41	1.37
37	L	205	8CT	C10-C03	3.06	1.55	1.45
29	A	802	CLA	C4B-NB	3.06	1.41	1.37
29	5	607	CLA	C4B-NB	3.05	1.41	1.37
37	B	844	8CT	C18-C17	3.05	1.52	1.43
37	B	843	8CT	C07-C02	-3.05	1.45	1.51
37	B	847	8CT	C10-C03	3.05	1.55	1.45
37	Z	307	8CT	C35-C30	3.04	1.64	1.56
29	5	611	CLA	C4B-NB	3.04	1.41	1.37
36	3	322	SQD	C24-C23	3.04	1.59	1.50
29	9	305	CLA	C4B-NB	3.04	1.41	1.37
37	A	846	8CT	C10-C03	3.04	1.55	1.45
36	a	618	SQD	C24-C23	3.04	1.59	1.50
29	5	613	CLA	C4B-NB	3.04	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	d	604	CLA	C4B-NB	3.04	1.41	1.37
29	1	609	CLA	C4B-NB	3.04	1.41	1.37
37	B	851	8CT	C18-C17	3.04	1.52	1.43
37	F	203	8CT	C18-C17	3.04	1.52	1.43
36	B	850	SQD	C24-C23	3.04	1.59	1.50
29	a	609	CLA	C4B-NB	3.04	1.41	1.37
37	R	203	8CT	C10-C03	3.04	1.55	1.45
29	1	607	CLA	C4B-NB	3.04	1.41	1.37
29	c	615	CLA	C4B-NB	3.03	1.41	1.37
29	d	609	CLA	C4B-NB	3.03	1.41	1.37
37	B	848	8CT	C07-C02	-3.03	1.45	1.51
29	3	302	CLA	C4B-NB	3.03	1.41	1.37
29	a	601	CLA	C4B-NB	3.03	1.41	1.37
29	4	606	CLA	C4B-NB	3.03	1.41	1.37
29	A	855	CLA	C4B-NB	3.02	1.41	1.37
37	B	847	8CT	C30-C29	3.02	1.54	1.50
37	J	104	8CT	C10-C03	3.02	1.55	1.45
37	B	848	8CT	C18-C17	3.02	1.52	1.43
29	c	601	CLA	C4B-NB	3.01	1.41	1.37
37	I	101	8CT	C18-C17	3.01	1.52	1.43
29	9	314	CLA	C4B-NB	3.01	1.41	1.37
29	c	613	CLA	C4B-NB	3.01	1.41	1.37
29	A	827	CLA	C4B-NB	3.01	1.41	1.37
29	d	612	CLA	C4B-NB	3.01	1.41	1.37
29	d	601	CLA	C4B-NB	3.01	1.41	1.37
29	7	305	CLA	C4B-NB	3.01	1.41	1.37
37	J	104	8CT	C18-C17	3.01	1.52	1.43
29	A	828	CLA	C4B-NB	3.00	1.41	1.37
29	e	608	CLA	C4B-NB	3.00	1.41	1.37
29	A	826	CLA	C4B-NB	3.00	1.41	1.37
29	O	202	CLA	C4B-NB	3.00	1.41	1.37
29	A	812	CLA	C4B-NB	3.00	1.41	1.37
29	3	309	CLA	C4B-NB	3.00	1.41	1.37
29	9	310	CLA	C4B-NB	3.00	1.41	1.37
36	7	321	SQD	C24-C23	3.00	1.59	1.50
37	M	101	8CT	C18-C17	3.00	1.52	1.43
29	2	607	CLA	C4B-NB	3.00	1.41	1.37
29	9	302	CLA	C4B-NB	3.00	1.41	1.37
37	B	844	8CT	C10-C03	2.99	1.55	1.45
29	2	611	CLA	C4B-NB	2.99	1.41	1.37
29	O	203	CLA	C4B-NB	2.99	1.41	1.37
29	b	608	CLA	C4B-NB	2.99	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	A	836	CLA	C4B-NB	2.99	1.41	1.37
29	B	841	CLA	C4B-NB	2.99	1.41	1.37
37	F	203	8CT	C10-C03	2.99	1.55	1.45
37	K	103	8CT	C10-C03	2.98	1.55	1.45
29	1	611	CLA	C4B-NB	2.98	1.41	1.37
37	A	847	8CT	C18-C17	2.98	1.52	1.43
37	B	845	8CT	C18-C17	2.98	1.52	1.43
29	9	312	CLA	C4B-NB	2.98	1.41	1.37
29	A	811	CLA	C4B-NB	2.98	1.41	1.37
37	Z	307	8CT	C18-C17	2.98	1.52	1.43
37	B	845	8CT	C30-C29	2.98	1.54	1.50
29	3	308	CLA	C4B-NB	2.97	1.41	1.37
37	A	845	8CT	C18-C17	2.97	1.52	1.43
37	A	845	8CT	C10-C03	2.97	1.55	1.45
37	Z	308	8CT	C18-C17	2.97	1.52	1.43
29	B	820	CLA	C4B-NB	2.97	1.41	1.37
29	c	603	CLA	C4B-NB	2.97	1.41	1.37
29	A	808	CLA	C4B-NB	2.97	1.41	1.37
37	B	852	8CT	C10-C03	2.97	1.55	1.45
29	1	606	CLA	C4B-NB	2.97	1.41	1.37
29	8	304	CLA	C4B-NB	2.97	1.41	1.37
29	8	317	CLA	C4B-NB	2.97	1.41	1.37
29	e	610	CLA	C4B-NB	2.97	1.41	1.37
37	B	845	8CT	C10-C03	2.97	1.55	1.45
37	L	205	8CT	C07-C02	-2.97	1.45	1.51
37	L	205	8CT	C18-C17	2.97	1.52	1.43
37	B	848	8CT	C10-C03	2.97	1.55	1.45
29	L	203	CLA	C4B-NB	2.97	1.41	1.37
37	Z	308	8CT	C10-C03	2.96	1.55	1.45
29	2	609	CLA	C4B-NB	2.96	1.41	1.37
29	c	607	CLA	C4B-NB	2.96	1.41	1.37
29	Z	305	CLA	C4B-NB	2.96	1.41	1.37
29	7	309	CLA	C4B-NB	2.96	1.41	1.37
37	B	843	8CT	C18-C17	2.96	1.52	1.43
29	F	202	CLA	C4B-NB	2.96	1.41	1.37
29	L	201	CLA	C4B-NB	2.96	1.41	1.37
29	Z	302	CLA	C4B-NB	2.96	1.41	1.37
29	a	603	CLA	C4B-NB	2.96	1.41	1.37
29	A	822	CLA	C4B-NB	2.96	1.41	1.37
29	A	829	CLA	C4B-NB	2.96	1.41	1.37
29	L	202	CLA	C4B-NB	2.96	1.41	1.37
29	d	603	CLA	C4B-NB	2.96	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	A	845	8CT	C07-C02	-2.95	1.45	1.51
29	A	832	CLA	C4B-NB	2.95	1.41	1.37
29	e	603	CLA	C4B-NB	2.95	1.41	1.37
29	2	608	CLA	C4B-NB	2.95	1.41	1.37
29	A	809	CLA	C4B-NB	2.95	1.41	1.37
29	6	605	CLA	C4B-NB	2.95	1.41	1.37
29	A	813	CLA	C4B-NB	2.95	1.41	1.37
29	B	814	CLA	C4B-NB	2.95	1.41	1.37
29	B	815	CLA	C4B-NB	2.95	1.41	1.37
29	B	803	CLA	C1B-C2B	2.95	1.50	1.43
29	B	804	CLA	C4B-NB	2.94	1.41	1.37
29	B	836	CLA	C4B-NB	2.94	1.41	1.37
29	Z	303	CLA	C4B-NB	2.94	1.41	1.37
29	c	605	CLA	C4B-NB	2.94	1.41	1.37
29	A	831	CLA	C4B-NB	2.94	1.41	1.37
29	6	603	CLA	C4B-NB	2.94	1.41	1.37
29	6	604	CLA	C4B-NB	2.94	1.41	1.37
29	B	819	CLA	C4B-NB	2.94	1.41	1.37
37	b	615	8CT	C23-C21	-2.94	1.39	1.46
29	8	306	CLA	C4B-NB	2.94	1.41	1.37
37	B	851	8CT	C30-C29	2.94	1.54	1.50
37	A	846	8CT	C18-C17	2.93	1.52	1.43
29	B	816	CLA	C4B-NB	2.93	1.41	1.37
37	K	103	8CT	C18-C17	2.93	1.52	1.43
29	5	609	CLA	C4B-NB	2.93	1.41	1.37
29	A	838	CLA	C4B-NB	2.93	1.41	1.37
29	c	609	CLA	C4B-NB	2.93	1.41	1.37
29	3	306	CLA	C4B-NB	2.92	1.41	1.37
29	4	604	CLA	C4B-NB	2.92	1.41	1.37
29	c	604	CLA	C4B-NB	2.92	1.41	1.37
29	9	304	CLA	C4B-NB	2.92	1.41	1.37
29	B	823	CLA	C4B-NB	2.92	1.41	1.37
29	b	610	CLA	C4B-NB	2.92	1.41	1.37
37	R	203	8CT	C18-C17	2.92	1.52	1.43
29	a	602	CLA	C4B-NB	2.92	1.41	1.37
29	B	806	CLA	C4B-NB	2.92	1.41	1.37
29	b	611	CLA	C4B-NB	2.92	1.41	1.37
29	1	603	CLA	C4B-NB	2.92	1.41	1.37
29	1	608	CLA	C4B-NB	2.92	1.41	1.37
29	7	304	CLA	C4B-NB	2.92	1.41	1.37
29	A	825	CLA	CMC-C2C	-2.91	1.44	1.50
29	2	603	CLA	C4B-NB	2.91	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	6	609	CLA	C4B-NB	2.91	1.41	1.37
37	F	203	8CT	C30-C29	2.91	1.54	1.50
37	B	851	8CT	C07-C02	-2.91	1.45	1.51
29	e	604	CLA	C4B-NB	2.91	1.41	1.37
37	M	101	8CT	C10-C03	2.91	1.55	1.45
37	b	615	8CT	C15-C16	-2.91	1.39	1.46
37	A	847	8CT	C10-C03	2.91	1.55	1.45
29	8	301	CLA	C4B-NB	2.91	1.41	1.37
29	B	832	CLA	C4B-NB	2.91	1.41	1.37
29	A	853	CLA	C4B-NB	2.91	1.41	1.37
29	X	301	CLA	C4B-NB	2.91	1.41	1.37
37	L	205	8CT	C30-C29	2.90	1.54	1.50
29	8	308	CLA	C4B-NB	2.90	1.41	1.37
29	e	607	CLA	C4B-NB	2.90	1.41	1.37
29	3	305	CLA	C4B-NB	2.90	1.41	1.37
29	4	611	CLA	C4B-NB	2.90	1.41	1.37
29	B	818	CLA	C4B-NB	2.90	1.41	1.37
29	B	811	CLA	C4B-NB	2.90	1.41	1.37
29	a	608	CLA	C4B-NB	2.90	1.41	1.37
29	6	611	CLA	C4B-NB	2.90	1.41	1.37
29	8	307	CLA	C4B-NB	2.89	1.41	1.37
37	I	101	8CT	C35-C30	2.89	1.64	1.56
29	A	817	CLA	C4B-NB	2.89	1.41	1.37
29	A	818	CLA	C4B-NB	2.89	1.41	1.37
29	3	304	CLA	C4B-NB	2.89	1.41	1.37
29	b	604	CLA	C4B-NB	2.89	1.41	1.37
29	b	607	CLA	C4B-NB	2.89	1.41	1.37
29	A	801	CLA	C1B-C2B	2.88	1.49	1.43
29	d	607	CLA	C4B-NB	2.88	1.41	1.37
29	A	840	CLA	C4B-NB	2.88	1.41	1.37
37	B	846	8CT	C18-C17	2.88	1.52	1.43
29	a	607	CLA	C4B-NB	2.88	1.41	1.37
29	B	827	CLA	C4B-NB	2.88	1.41	1.37
37	B	852	8CT	C18-C17	2.88	1.52	1.43
37	B	844	8CT	C30-C29	2.88	1.54	1.50
29	B	817	CLA	C4B-NB	2.87	1.41	1.37
37	A	844	8CT	C18-C17	2.87	1.52	1.43
29	B	805	CLA	C4B-NB	2.87	1.41	1.37
29	d	608	CLA	C4B-NB	2.87	1.41	1.37
29	3	311	CLA	C4B-NB	2.87	1.41	1.37
29	9	307	CLA	C4B-NB	2.87	1.41	1.37
29	7	302	CLA	C4B-NB	2.87	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	A	843	CLA	C4B-NB	2.86	1.41	1.37
29	A	830	CLA	C4B-NB	2.86	1.41	1.37
29	B	821	CLA	C4B-NB	2.86	1.41	1.37
29	5	607	CLA	C1B-C2B	2.86	1.49	1.43
29	A	824	CLA	C4B-NB	2.86	1.41	1.37
29	4	609	CLA	C4B-NB	2.86	1.41	1.37
29	5	608	CLA	C4B-NB	2.86	1.41	1.37
29	6	608	CLA	C4B-NB	2.85	1.41	1.37
37	B	844	8CT	C07-C02	-2.85	1.45	1.51
37	A	844	8CT	C10-C03	2.85	1.54	1.45
29	8	305	CLA	C4B-NB	2.85	1.41	1.37
29	9	309	CLA	C4B-NB	2.85	1.41	1.37
29	4	607	CLA	C4B-NB	2.85	1.41	1.37
29	4	603	CLA	C4B-NB	2.85	1.41	1.37
37	R	203	8CT	C30-C29	2.84	1.54	1.50
29	e	606	CLA	C4B-NB	2.84	1.41	1.37
29	B	814	CLA	C1B-C2B	2.84	1.49	1.43
29	B	813	CLA	C4B-NB	2.84	1.41	1.37
29	7	311	CLA	C4B-NB	2.84	1.41	1.37
29	B	837	CLA	C4B-NB	2.84	1.41	1.37
37	A	845	8CT	C35-C30	2.84	1.64	1.56
29	4	610	CLA	C4B-NB	2.84	1.41	1.37
31	R	204	II0	C27-C25	-2.83	1.49	1.50
29	4	608	CLA	C4B-NB	2.83	1.41	1.37
37	B	847	8CT	C18-C17	2.83	1.52	1.43
29	A	842	CLA	C4B-NB	2.83	1.41	1.37
29	A	842	CLA	C1B-C2B	2.83	1.49	1.43
37	B	847	8CT	C07-C02	-2.83	1.45	1.51
37	4	616	8CT	C11-C12	-2.83	1.39	1.46
29	B	830	CLA	C4B-NB	2.83	1.41	1.37
29	c	608	CLA	C4B-NB	2.83	1.41	1.37
37	B	846	8CT	C10-C03	2.82	1.54	1.45
29	B	827	CLA	C1B-C2B	2.82	1.49	1.43
29	A	803	CLA	C4B-NB	2.82	1.41	1.37
29	B	838	CLA	C4B-NB	2.82	1.41	1.37
29	B	808	CLA	C4B-NB	2.82	1.41	1.37
37	Z	307	8CT	C07-C02	-2.82	1.45	1.51
29	a	611	CLA	C4B-NB	2.81	1.41	1.37
29	4	601	CLA	C4B-NB	2.81	1.41	1.37
29	B	809	CLA	C4B-NB	2.81	1.41	1.37
29	3	310	CLA	C4B-NB	2.81	1.41	1.37
29	A	820	CLA	C4B-NB	2.81	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	B	824	CLA	C4B-NB	2.81	1.41	1.37
29	B	812	CLA	C1B-C2B	2.81	1.49	1.43
37	A	846	8CT	C07-C02	-2.81	1.45	1.51
29	4	602	CLA	C4B-NB	2.80	1.41	1.37
29	c	602	CLA	C4B-NB	2.80	1.41	1.37
29	e	602	CLA	C4B-NB	2.80	1.41	1.37
33	K	104	IHT	C02-C07	-2.80	1.50	1.53
37	Z	308	8CT	C30-C29	2.80	1.54	1.50
29	A	813	CLA	C1B-C2B	2.80	1.49	1.43
29	B	815	CLA	C1B-C2B	2.80	1.49	1.43
29	O	202	CLA	C1B-C2B	2.80	1.49	1.43
29	B	807	CLA	C4B-NB	2.80	1.41	1.37
29	B	828	CLA	C4B-NB	2.80	1.41	1.37
29	A	807	CLA	C1B-C2B	2.80	1.49	1.43
29	B	834	CLA	C4B-NB	2.80	1.41	1.37
29	7	303	CLA	C4B-NB	2.80	1.41	1.37
29	A	804	CLA	C4B-NB	2.80	1.41	1.37
29	O	201	CLA	C4B-NB	2.79	1.41	1.37
29	8	303	CLA	C4B-NB	2.79	1.41	1.37
29	B	833	CLA	C4B-NB	2.79	1.41	1.37
29	O	204	CLA	C4B-NB	2.79	1.41	1.37
29	9	309	CLA	C1B-C2B	2.79	1.49	1.43
29	3	303	CLA	C4B-NB	2.79	1.41	1.37
29	B	822	CLA	C1B-C2B	2.79	1.49	1.43
29	3	305	CLA	C1B-C2B	2.79	1.49	1.43
29	A	823	CLA	C4B-NB	2.78	1.41	1.37
29	b	606	CLA	C4B-NB	2.78	1.41	1.37
29	A	831	CLA	C1B-C2B	2.78	1.49	1.43
29	A	815	CLA	C1B-C2B	2.78	1.49	1.43
29	B	824	CLA	C1B-C2B	2.78	1.49	1.43
31	e	615	II0	C28-C26	-2.77	1.49	1.50
29	K	101	CLA	C1B-C2B	2.77	1.49	1.43
29	b	602	CLA	C4B-NB	2.77	1.41	1.37
37	F	203	8CT	C07-C02	-2.77	1.45	1.51
29	7	308	CLA	C4B-NB	2.77	1.41	1.37
29	2	602	CLA	C4B-NB	2.77	1.41	1.37
29	1	608	CLA	C1B-C2B	2.76	1.49	1.43
29	9	313	CLA	C1B-C2B	2.76	1.49	1.43
37	B	845	8CT	C07-C02	-2.76	1.45	1.51
29	B	807	CLA	C1B-C2B	2.76	1.49	1.43
29	B	840	CLA	C4B-NB	2.76	1.41	1.37
29	7	311	CLA	C1B-C2B	2.76	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	2	605	CLA	C4B-NB	2.76	1.41	1.37
29	1	602	CLA	C4B-NB	2.76	1.41	1.37
29	b	608	CLA	C1B-C2B	2.76	1.49	1.43
29	b	604	CLA	C1B-C2B	2.76	1.49	1.43
29	a	611	CLA	C1B-C2B	2.76	1.49	1.43
29	B	833	CLA	C1B-C2B	2.75	1.49	1.43
29	5	608	CLA	C1B-C2B	2.75	1.49	1.43
29	L	203	CLA	C1B-C2B	2.75	1.49	1.43
29	e	604	CLA	C1B-C2B	2.75	1.49	1.43
29	8	307	CLA	C1B-C2B	2.75	1.49	1.43
29	A	814	CLA	C4B-NB	2.75	1.41	1.37
29	8	306	CLA	C1B-C2B	2.75	1.49	1.43
29	c	613	CLA	C1B-C2B	2.75	1.49	1.43
29	3	308	CLA	C1B-C2B	2.75	1.49	1.43
29	7	302	CLA	C1B-C2B	2.74	1.49	1.43
29	A	816	CLA	C4B-NB	2.74	1.41	1.37
37	Z	307	8CT	C30-C29	2.74	1.54	1.50
29	B	837	CLA	C1B-C2B	2.74	1.49	1.43
31	R	201	II0	C28-C26	-2.74	1.49	1.50
37	I	101	8CT	C07-C02	-2.74	1.45	1.51
29	5	602	CLA	C4B-NB	2.74	1.41	1.37
29	A	835	CLA	C4B-NB	2.74	1.41	1.37
29	K	101	CLA	C4B-NB	2.74	1.41	1.37
29	B	822	CLA	C4B-NB	2.73	1.41	1.37
38	B	849	DGD	O2G-C2G	-2.73	1.40	1.46
29	d	612	CLA	C1B-C2B	2.73	1.49	1.43
29	b	611	CLA	C1B-C2B	2.73	1.49	1.43
29	1	604	CLA	C1B-C2B	2.73	1.49	1.43
29	B	802	CLA	C4B-NB	2.73	1.41	1.37
29	6	601	CLA	C1B-C2B	2.73	1.49	1.43
29	5	611	CLA	C1B-C2B	2.73	1.49	1.43
29	7	309	CLA	C1B-C2B	2.73	1.49	1.43
29	e	608	CLA	C1B-C2B	2.73	1.49	1.43
29	B	831	CLA	C4B-NB	2.73	1.41	1.37
29	2	602	CLA	C1B-C2B	2.73	1.49	1.43
29	2	605	CLA	C1B-C2B	2.73	1.49	1.43
29	5	602	CLA	C1B-C2B	2.73	1.49	1.43
29	9	303	CLA	C4B-NB	2.73	1.41	1.37
29	9	302	CLA	C1B-C2B	2.73	1.49	1.43
29	a	608	CLA	C1B-C2B	2.73	1.49	1.43
29	e	610	CLA	C1B-C2B	2.72	1.49	1.43
29	B	826	CLA	C4B-NB	2.72	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	Z	308	8CT	C07-C02	-2.72	1.45	1.51
29	A	806	CLA	C4B-NB	2.72	1.41	1.37
29	c	605	CLA	C1B-C2B	2.72	1.49	1.43
29	d	602	CLA	C4B-NB	2.72	1.41	1.37
29	2	611	CLA	C1B-C2B	2.72	1.49	1.43
29	5	603	CLA	C1B-C2B	2.72	1.49	1.43
29	7	308	CLA	C1B-C2B	2.72	1.49	1.43
33	L	204	IHT	C02-C07	-2.72	1.50	1.53
29	1	603	CLA	C1B-C2B	2.72	1.49	1.43
29	d	603	CLA	C1B-C2B	2.72	1.49	1.43
29	d	602	CLA	C1B-C2B	2.72	1.49	1.43
29	d	608	CLA	C1B-C2B	2.72	1.49	1.43
37	J	104	8CT	C30-C29	2.71	1.54	1.50
29	e	606	CLA	C1B-C2B	2.71	1.49	1.43
29	e	601	CLA	C1B-C2B	2.71	1.49	1.43
29	2	608	CLA	C1B-C2B	2.71	1.49	1.43
29	d	611	CLA	C1B-C2B	2.71	1.49	1.43
29	2	603	CLA	C1B-C2B	2.71	1.49	1.43
29	3	310	CLA	C1B-C2B	2.71	1.49	1.43
29	B	812	CLA	C4B-NB	2.71	1.41	1.37
29	A	854	CLA	C4B-NB	2.71	1.41	1.37
29	1	611	CLA	C1B-C2B	2.71	1.49	1.43
29	6	611	CLA	C1B-C2B	2.71	1.49	1.43
29	d	609	CLA	C1B-C2B	2.71	1.49	1.43
29	5	609	CLA	C1B-C2B	2.71	1.49	1.43
33	L	204	IHT	C28-C26	-2.70	1.49	1.50
29	8	308	CLA	C1B-C2B	2.70	1.49	1.43
29	1	609	CLA	C1B-C2B	2.70	1.49	1.43
29	6	605	CLA	C1B-C2B	2.70	1.49	1.43
29	6	602	CLA	C4B-NB	2.70	1.41	1.37
29	B	835	CLA	C4B-NB	2.70	1.41	1.37
29	9	303	CLA	C1B-C2B	2.70	1.49	1.43
29	c	608	CLA	C1B-C2B	2.70	1.49	1.43
29	2	609	CLA	C1B-C2B	2.70	1.49	1.43
29	A	853	CLA	C1B-C2B	2.70	1.49	1.43
29	a	601	CLA	C1B-C2B	2.70	1.49	1.43
29	A	803	CLA	C1B-C2B	2.70	1.49	1.43
29	8	305	CLA	C1B-C2B	2.70	1.49	1.43
29	a	609	CLA	C1B-C2B	2.69	1.49	1.43
29	c	601	CLA	C1B-C2B	2.69	1.49	1.43
29	Z	302	CLA	C1B-C2B	2.69	1.49	1.43
29	A	837	CLA	C1B-C2B	2.69	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	B	832	CLA	C1B-C2B	2.69	1.49	1.43
29	6	609	CLA	C1B-C2B	2.69	1.49	1.43
29	B	821	CLA	C1B-C2B	2.69	1.49	1.43
29	9	312	CLA	C1B-C2B	2.69	1.49	1.43
29	9	304	CLA	C1B-C2B	2.69	1.49	1.43
29	b	610	CLA	C1B-C2B	2.69	1.49	1.43
29	X	301	CLA	C1B-C2B	2.69	1.49	1.43
29	d	601	CLA	C1B-C2B	2.69	1.49	1.43
29	e	611	CLA	C1B-C2B	2.69	1.49	1.43
29	Z	303	CLA	C1B-C2B	2.69	1.49	1.43
29	4	609	CLA	C1B-C2B	2.68	1.49	1.43
29	2	606	CLA	C1B-C2B	2.68	1.49	1.43
29	4	610	CLA	C1B-C2B	2.68	1.49	1.43
29	A	818	CLA	C1B-C2B	2.68	1.49	1.43
29	1	601	CLA	C1B-C2B	2.68	1.49	1.43
29	6	612	CLA	C1B-C2B	2.68	1.49	1.43
29	b	601	CLA	C1B-C2B	2.68	1.49	1.43
37	A	846	8CT	C30-C29	2.68	1.54	1.50
29	c	602	CLA	C1B-C2B	2.68	1.49	1.43
29	1	602	CLA	C1B-C2B	2.68	1.49	1.43
29	A	816	CLA	C1B-C2B	2.68	1.49	1.43
29	B	830	CLA	C1B-C2B	2.68	1.49	1.43
29	5	613	CLA	C1B-C2B	2.67	1.49	1.43
29	O	204	CLA	C1B-C2B	2.67	1.49	1.43
29	3	313	CLA	C1B-C2B	2.67	1.49	1.43
29	A	825	CLA	C1B-C2B	2.67	1.49	1.43
29	9	310	CLA	C1B-C2B	2.67	1.49	1.43
29	F	202	CLA	C1B-C2B	2.67	1.49	1.43
29	1	606	CLA	C1B-C2B	2.67	1.49	1.43
29	A	804	CLA	C1B-C2B	2.67	1.49	1.43
29	9	315	CLA	C1B-C2B	2.67	1.49	1.43
29	B	825	CLA	C4B-NB	2.67	1.41	1.37
29	c	603	CLA	C1B-C2B	2.67	1.49	1.43
29	c	609	CLA	C1B-C2B	2.67	1.49	1.43
29	9	306	CLA	C1B-C2B	2.66	1.49	1.43
29	b	602	CLA	C1B-C2B	2.66	1.49	1.43
29	3	311	CLA	C1B-C2B	2.66	1.49	1.43
37	e	616	8CT	C15-C16	-2.66	1.40	1.46
29	6	608	CLA	C1B-C2B	2.66	1.49	1.43
29	1	605	CLA	C1B-C2B	2.66	1.49	1.43
29	3	312	CLA	C1B-C2B	2.66	1.49	1.43
29	O	201	CLA	C1B-C2B	2.66	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	7	318	8CT	C15-C16	-2.66	1.40	1.46
29	1	612	CLA	C1B-C2B	2.66	1.49	1.43
35	6	617	LMG	C4-C5	2.66	1.58	1.53
29	B	806	CLA	C1B-C2B	2.66	1.49	1.43
29	Z	304	CLA	C1B-C2B	2.66	1.49	1.43
29	b	607	CLA	C1B-C2B	2.65	1.49	1.43
29	2	601	CLA	C1B-C2B	2.65	1.49	1.43
29	A	838	CLA	C1B-C2B	2.65	1.49	1.43
29	A	815	CLA	C4B-NB	2.65	1.41	1.37
29	5	601	CLA	C1B-C2B	2.65	1.49	1.43
29	F	201	CLA	C4B-NB	2.65	1.41	1.37
37	e	616	8CT	C23-C21	-2.65	1.40	1.46
34	4	617	LHG	O7-C5	-2.65	1.40	1.46
29	A	806	CLA	C1B-C2B	2.65	1.49	1.43
29	5	612	CLA	C1B-C2B	2.65	1.49	1.43
29	B	803	CLA	C4B-NB	2.65	1.41	1.37
30	e	609	KC2	CBA-CGA	-2.65	1.41	1.48
29	d	606	CLA	C1B-C2B	2.64	1.49	1.43
29	A	807	CLA	C4B-NB	2.64	1.41	1.37
29	B	816	CLA	CMC-C2C	-2.64	1.45	1.50
29	B	805	CLA	C1B-C2B	2.64	1.49	1.43
29	e	607	CLA	C1B-C2B	2.64	1.49	1.43
29	e	602	CLA	C1B-C2B	2.64	1.49	1.43
29	3	306	CLA	C1B-C2B	2.64	1.49	1.43
29	b	603	CLA	C1B-C2B	2.64	1.49	1.43
29	2	612	CLA	C1B-C2B	2.64	1.49	1.43
37	e	616	8CT	C28-C26	-2.64	1.40	1.46
29	5	605	CLA	C1B-C2B	2.64	1.49	1.43
29	A	832	CLA	C1B-C2B	2.64	1.49	1.43
29	a	606	CLA	C1B-C2B	2.64	1.49	1.43
29	B	829	CLA	C1B-C2B	2.63	1.49	1.43
29	B	811	CLA	C1B-C2B	2.63	1.49	1.43
29	A	808	CLA	C1B-C2B	2.63	1.49	1.43
29	6	607	CLA	C1B-C2B	2.63	1.49	1.43
29	A	836	CLA	C1B-C2B	2.63	1.49	1.43
29	d	605	CLA	C1B-C2B	2.63	1.49	1.43
29	1	607	CLA	C1B-C2B	2.63	1.49	1.43
29	9	307	CLA	C1B-C2B	2.63	1.49	1.43
29	7	305	CLA	C1B-C2B	2.63	1.49	1.43
29	4	604	CLA	C1B-C2B	2.63	1.49	1.43
29	4	608	CLA	C1B-C2B	2.63	1.49	1.43
29	2	607	CLA	C1B-C2B	2.63	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
30	7	310	KC2	CBA-CGA	-2.63	1.41	1.48
29	c	615	CLA	C1B-C2B	2.63	1.49	1.43
29	A	811	CLA	C1B-C2B	2.62	1.49	1.43
30	6	610	KC2	CBA-CGA	-2.62	1.41	1.48
29	7	304	CLA	C1B-C2B	2.62	1.49	1.43
29	B	825	CLA	C1B-C2B	2.62	1.49	1.43
29	A	814	CLA	C1B-C2B	2.62	1.49	1.43
29	A	801	CLA	C4B-NB	2.62	1.41	1.37
29	a	603	CLA	C1B-C2B	2.62	1.49	1.43
29	4	611	CLA	C1B-C2B	2.62	1.49	1.43
29	B	823	CLA	C1B-C2B	2.62	1.49	1.43
29	6	602	CLA	C1B-C2B	2.61	1.49	1.43
29	9	305	CLA	C1B-C2B	2.61	1.49	1.43
29	9	308	CLA	C1B-C2B	2.61	1.49	1.43
29	A	809	CLA	C1B-C2B	2.61	1.49	1.43
29	B	841	CLA	C1B-C2B	2.61	1.49	1.43
29	c	612	CLA	C1B-C2B	2.61	1.49	1.43
30	a	610	KC2	CBA-CGA	-2.61	1.41	1.48
29	A	823	CLA	C1B-C2B	2.61	1.49	1.43
30	b	609	KC2	CBA-CGA	-2.61	1.41	1.48
29	6	606	CLA	C1B-C2B	2.61	1.49	1.43
30	6	613	KC2	CBA-CGA	-2.61	1.41	1.48
29	a	602	CLA	C1B-C2B	2.60	1.49	1.43
29	A	824	CLA	C1B-C2B	2.60	1.49	1.43
29	c	607	CLA	C1B-C2B	2.60	1.49	1.43
29	A	828	CLA	C1B-C2B	2.60	1.49	1.43
29	4	607	CLA	C1B-C2B	2.60	1.49	1.43
29	a	607	CLA	C1B-C2B	2.60	1.49	1.43
30	c	614	KC2	CBA-CGA	-2.60	1.41	1.48
29	3	302	CLA	C1B-C2B	2.60	1.49	1.43
29	8	301	CLA	C1B-C2B	2.60	1.49	1.43
29	8	303	CLA	C1B-C2B	2.60	1.49	1.43
29	F	201	CLA	C1B-C2B	2.60	1.49	1.43
29	b	606	CLA	C1B-C2B	2.60	1.49	1.43
29	5	606	CLA	C1B-C2B	2.60	1.49	1.43
29	7	306	CLA	C1B-C2B	2.60	1.49	1.43
29	K	102	CLA	C1B-C2B	2.60	1.49	1.43
34	c	623	LHG	O7-C5	-2.60	1.40	1.46
29	A	855	CLA	C3B-C4B	2.60	1.50	1.42
37	A	847	8CT	C30-C29	2.60	1.54	1.50
29	7	307	CLA	C1B-C2B	2.59	1.49	1.43
29	A	854	CLA	C1B-C2B	2.59	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	3	303	CLA	C1B-C2B	2.59	1.49	1.43
30	5	610	KC2	CBA-CGA	-2.59	1.41	1.48
29	B	816	CLA	C1B-C2B	2.59	1.49	1.43
29	8	304	CLA	C1B-C2B	2.59	1.49	1.43
30	c	610	KC2	CBA-CGA	-2.59	1.41	1.48
29	6	604	CLA	C1B-C2B	2.59	1.49	1.43
29	A	810	CLA	C3B-C4B	2.59	1.50	1.42
29	O	203	CLA	C1B-C2B	2.59	1.49	1.43
29	A	841	CLA	C3B-C4B	2.59	1.50	1.42
38	B	849	DGD	O1G-C1G	-2.58	1.39	1.45
29	1	613	CLA	C1B-C2B	2.58	1.49	1.43
30	c	611	KC2	CBA-CGA	-2.58	1.42	1.48
29	B	818	CLA	C1B-C2B	2.58	1.49	1.43
30	b	605	KC2	CBA-CGA	-2.58	1.42	1.48
29	a	604	CLA	C1B-C2B	2.58	1.49	1.43
29	B	808	CLA	C1B-C2B	2.58	1.49	1.43
29	J	103	CLA	C1B-C2B	2.58	1.49	1.43
29	Z	305	CLA	C1B-C2B	2.58	1.49	1.43
30	9	311	KC2	CBA-CGA	-2.58	1.42	1.48
30	1	610	KC2	CBA-CGA	-2.57	1.42	1.48
29	A	821	CLA	C3B-C4B	2.57	1.50	1.42
37	A	844	8CT	C30-C29	2.57	1.54	1.50
29	B	839	CLA	C1B-C2B	2.57	1.49	1.43
29	B	838	CLA	C1B-C2B	2.57	1.49	1.43
29	8	317	CLA	C1B-C2B	2.57	1.49	1.43
33	K	104	IHT	C28-C26	-2.57	1.49	1.50
30	d	610	KC2	CBA-CGA	-2.57	1.42	1.48
29	7	303	CLA	C1B-C2B	2.57	1.49	1.43
30	c	614	KC2	C4B-NB	-2.57	1.34	1.37
29	B	826	CLA	C1B-C2B	2.56	1.49	1.43
29	B	804	CLA	C1B-C2B	2.56	1.49	1.43
29	B	810	CLA	C1B-C2B	2.56	1.49	1.43
29	L	202	CLA	C1B-C2B	2.56	1.49	1.43
29	4	603	CLA	C1B-C2B	2.56	1.49	1.43
29	8	302	CLA	C1B-C2B	2.56	1.49	1.43
29	A	826	CLA	C1B-C2B	2.56	1.49	1.43
29	A	834	CLA	C3B-C4B	2.56	1.50	1.42
30	2	610	KC2	CBA-CGA	-2.56	1.42	1.48
29	4	602	CLA	C1B-C2B	2.56	1.49	1.43
29	5	604	CLA	C1B-C2B	2.55	1.49	1.43
29	a	612	CLA	C1B-C2B	2.55	1.49	1.43
29	A	830	CLA	C1B-C2B	2.55	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	A	825	CLA	C4B-NB	2.55	1.41	1.37
37	7	318	8CT	C23-C21	-2.55	1.40	1.46
29	A	827	CLA	C1B-C2B	2.55	1.49	1.43
29	4	606	CLA	C1B-C2B	2.55	1.49	1.43
29	B	802	CLA	C1B-C2B	2.55	1.49	1.43
29	A	805	CLA	C1B-C2B	2.55	1.49	1.43
29	9	314	CLA	C1B-C2B	2.55	1.49	1.43
37	4	616	8CT	C28-C26	-2.54	1.40	1.46
29	A	854	CLA	CMC-C2C	-2.54	1.45	1.50
29	A	833	CLA	C1B-C2B	2.54	1.49	1.43
29	B	834	CLA	C1B-C2B	2.54	1.49	1.43
29	3	304	CLA	C1B-C2B	2.54	1.49	1.43
29	B	831	CLA	C1B-C2B	2.54	1.49	1.43
29	2	604	CLA	C1B-C2B	2.54	1.49	1.43
30	7	313	KC2	CBA-CGA	-2.54	1.42	1.48
31	a	613	II0	C27-C25	-2.54	1.49	1.50
29	B	828	CLA	C1B-C2B	2.53	1.49	1.43
29	a	605	CLA	C1B-C2B	2.53	1.49	1.43
30	e	605	KC2	CBA-CGA	-2.53	1.42	1.48
30	Z	306	KC2	CBA-CGA	-2.53	1.42	1.48
29	B	820	CLA	C1B-C2B	2.53	1.49	1.43
29	e	603	CLA	C1B-C2B	2.53	1.49	1.43
30	4	605	KC2	CBA-CGA	-2.53	1.42	1.48
29	7	307	CLA	C3B-C4B	2.53	1.50	1.42
29	A	833	CLA	C3B-C4B	2.53	1.50	1.42
29	A	841	CLA	C1B-C2B	2.52	1.49	1.43
29	c	606	CLA	C1B-C2B	2.52	1.49	1.43
29	A	805	CLA	C3B-C4B	2.52	1.50	1.42
29	A	829	CLA	C1B-C2B	2.52	1.49	1.43
37	7	318	8CT	C28-C26	-2.52	1.40	1.46
29	3	309	CLA	C1B-C2B	2.52	1.49	1.43
30	3	307	KC2	CBA-CGA	-2.51	1.42	1.48
29	6	603	CLA	C1B-C2B	2.51	1.49	1.43
29	c	606	CLA	C3B-C4B	2.51	1.50	1.42
29	A	820	CLA	C1B-C2B	2.51	1.49	1.43
29	A	822	CLA	C1B-C2B	2.50	1.49	1.43
29	a	605	CLA	C3B-C4B	2.50	1.50	1.42
29	d	604	CLA	C1B-C2B	2.50	1.49	1.43
30	6	613	KC2	C4B-NB	-2.50	1.34	1.37
30	6	610	KC2	C4B-NB	-2.49	1.34	1.37
29	4	601	CLA	C1B-C2B	2.49	1.49	1.43
29	B	836	CLA	C1B-C2B	2.48	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	7	312	CLA	C1B-C2B	2.48	1.48	1.43
29	A	855	CLA	C1B-C2B	2.48	1.48	1.43
30	Z	306	KC2	C4B-NB	-2.48	1.34	1.37
29	6	607	CLA	C3B-C4B	2.48	1.49	1.42
29	A	821	CLA	C1B-C2B	2.48	1.48	1.43
29	L	201	CLA	C1B-C2B	2.47	1.48	1.43
29	B	813	CLA	C1B-C2B	2.47	1.48	1.43
29	3	309	CLA	C3B-C4B	2.47	1.49	1.42
29	J	103	CLA	C3B-C4B	2.47	1.49	1.42
30	c	610	KC2	C4B-NB	-2.47	1.34	1.37
29	3	309	CLA	CHC-C1C	2.47	1.43	1.38
29	A	822	CLA	C3B-C4B	2.47	1.49	1.42
29	A	835	CLA	C1B-C2B	2.46	1.48	1.43
38	9	322	DGD	O1G-C1G	-2.46	1.39	1.45
37	B	846	8CT	C33-C32	-2.46	1.43	1.50
29	A	802	CLA	C1B-C2B	2.46	1.48	1.43
29	B	829	CLA	CMD-C2D	-2.46	1.45	1.50
33	d	617	IHT	C02-C07	-2.45	1.50	1.53
29	B	820	CLA	C3B-C4B	2.45	1.49	1.42
29	5	605	CLA	C3B-C4B	2.45	1.49	1.42
29	A	810	CLA	C1B-C2B	2.45	1.48	1.43
29	c	604	CLA	C1B-C2B	2.45	1.48	1.43
29	a	606	CLA	C3B-C4B	2.45	1.49	1.42
29	B	840	CLA	C1B-C2B	2.45	1.48	1.43
29	A	839	CLA	C1B-C2B	2.44	1.48	1.43
29	9	308	CLA	CMB-C2B	-2.44	1.45	1.50
29	1	601	CLA	C3B-C4B	2.44	1.49	1.42
29	B	804	CLA	CHC-C1C	2.44	1.43	1.38
38	9	322	DGD	O2G-C2G	-2.44	1.40	1.46
29	R	202	CLA	C1B-C2B	2.44	1.48	1.43
29	d	606	CLA	C3B-C4B	2.44	1.49	1.42
29	A	821	CLA	CHC-C1C	2.44	1.43	1.38
29	A	834	CLA	C1B-C2B	2.44	1.48	1.43
29	A	812	CLA	C1B-C2B	2.44	1.48	1.43
29	A	812	CLA	CHC-C1C	2.44	1.43	1.38
29	A	817	CLA	C3B-C4B	2.44	1.49	1.42
29	A	840	CLA	C3B-C4B	2.43	1.49	1.42
29	A	839	CLA	C3B-C4B	2.43	1.49	1.42
29	d	607	CLA	C1B-C2B	2.43	1.48	1.43
37	B	852	8CT	C30-C29	2.43	1.54	1.50
29	B	817	CLA	C1B-C2B	2.43	1.48	1.43
29	d	605	CLA	CHC-C1C	2.43	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	9	320	IHT	C02-C07	-2.43	1.50	1.53
29	B	819	CLA	C1B-C2B	2.43	1.48	1.43
29	5	606	CLA	C3B-C4B	2.42	1.49	1.42
29	A	802	CLA	CHC-C1C	2.42	1.43	1.38
29	d	607	CLA	CHC-C1C	2.42	1.43	1.38
31	1	620	II0	C13-C09	-2.42	1.32	1.35
30	9	311	KC2	C4B-NB	-2.42	1.34	1.37
29	5	601	CLA	C3B-C4B	2.42	1.49	1.42
29	9	306	CLA	C3B-C4B	2.41	1.49	1.42
29	A	810	CLA	CHC-C1C	2.41	1.43	1.38
37	4	616	8CT	C23-C21	-2.41	1.40	1.46
29	d	604	CLA	CHC-C1C	2.41	1.43	1.38
29	2	601	CLA	C3B-C4B	2.41	1.49	1.42
31	2	615	II0	C13-C09	-2.41	1.32	1.35
29	B	813	CLA	MG-NB	-2.40	2.01	2.05
29	e	601	CLA	C3B-C4B	2.40	1.49	1.42
29	A	812	CLA	CMD-C2D	-2.40	1.45	1.50
29	B	809	CLA	C1B-C2B	2.40	1.48	1.43
29	4	606	CLA	C3B-C4B	2.40	1.49	1.42
29	9	302	CLA	C3B-C4B	2.40	1.49	1.42
29	O	203	CLA	C3B-C4B	2.40	1.49	1.42
29	A	843	CLA	C1B-C2B	2.40	1.48	1.43
30	3	307	KC2	C4B-NB	-2.40	1.34	1.37
29	a	602	CLA	CHC-C1C	2.40	1.43	1.38
29	6	605	CLA	C3B-C4B	2.39	1.49	1.42
29	A	827	CLA	CMD-C2D	-2.39	1.45	1.50
29	7	312	CLA	C3B-C4B	2.39	1.49	1.42
29	B	810	CLA	C3B-C4B	2.39	1.49	1.42
29	L	201	CLA	C3B-C4B	2.39	1.49	1.42
37	B	843	8CT	C33-C32	-2.39	1.43	1.50
37	A	844	8CT	C33-C32	-2.39	1.43	1.50
30	e	609	KC2	C4B-NB	-2.39	1.34	1.37
29	3	302	CLA	C3B-C4B	2.39	1.49	1.42
29	c	615	CLA	C3B-C4B	2.39	1.49	1.42
29	B	835	CLA	C1B-C2B	2.39	1.48	1.43
29	F	202	CLA	C3B-C4B	2.39	1.49	1.42
29	d	605	CLA	C3B-C4B	2.39	1.49	1.42
29	d	604	CLA	C3B-C4B	2.38	1.49	1.42
37	4	616	8CT	C15-C16	-2.38	1.40	1.46
31	c	617	II0	C27-C25	-2.38	1.49	1.50
29	A	809	CLA	C3B-C4B	2.38	1.49	1.42
29	A	839	CLA	CMB-C2B	-2.38	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
30	2	610	KC2	C4B-NB	-2.38	1.34	1.37
29	d	609	CLA	C3B-C4B	2.38	1.49	1.42
29	6	601	CLA	C3B-C4B	2.38	1.49	1.42
29	3	306	CLA	C3B-C4B	2.38	1.49	1.42
31	R	204	II0	C28-C26	-2.38	1.49	1.50
29	8	301	CLA	CMC-C2C	-2.38	1.45	1.50
29	A	805	CLA	CHC-C1C	2.37	1.43	1.38
29	a	608	CLA	C3B-C4B	2.37	1.49	1.42
29	3	312	CLA	C3B-C4B	2.37	1.49	1.42
29	c	605	CLA	C3B-C4B	2.37	1.49	1.42
29	2	612	CLA	C3B-C4B	2.37	1.49	1.42
29	A	840	CLA	CHC-C1C	2.37	1.43	1.38
29	d	601	CLA	C3B-C4B	2.37	1.49	1.42
29	a	612	CLA	CHC-C1C	2.37	1.43	1.38
29	c	612	CLA	C3B-C4B	2.37	1.49	1.42
29	a	605	CLA	CHC-C1C	2.37	1.43	1.38
30	a	610	KC2	C4B-NB	-2.37	1.34	1.37
29	b	601	CLA	C3B-C4B	2.37	1.49	1.42
30	7	310	KC2	C4B-NB	-2.36	1.34	1.37
37	M	101	8CT	C33-C32	-2.36	1.43	1.50
29	4	604	CLA	CMD-C2D	-2.36	1.45	1.50
29	B	817	CLA	CMB-C2B	-2.36	1.45	1.50
29	a	612	CLA	C3B-C4B	2.36	1.49	1.42
29	A	855	CLA	CHC-C1C	2.36	1.43	1.38
29	A	811	CLA	C3B-C4B	2.36	1.49	1.42
29	A	830	CLA	C3B-C4B	2.36	1.49	1.42
37	B	847	8CT	C33-C32	-2.36	1.44	1.50
29	7	306	CLA	C3B-C4B	2.36	1.49	1.42
29	d	607	CLA	C3B-C4B	2.36	1.49	1.42
29	B	804	CLA	C3B-C4B	2.35	1.49	1.42
29	8	303	CLA	MG-NB	-2.35	2.01	2.05
29	R	202	CLA	MG-NB	-2.35	2.01	2.05
30	4	605	KC2	C4B-NB	-2.35	1.34	1.37
29	L	202	CLA	C3B-C4B	2.35	1.49	1.42
29	Z	305	CLA	C3B-C4B	2.35	1.49	1.42
29	e	608	CLA	C3B-C4B	2.35	1.49	1.42
29	B	836	CLA	C3B-C4B	2.35	1.49	1.42
29	A	823	CLA	MG-NB	-2.35	2.01	2.05
30	b	609	KC2	C4B-NB	-2.35	1.34	1.37
29	1	613	CLA	C3B-C4B	2.35	1.49	1.42
31	a	615	II0	C14-C10	-2.35	1.32	1.35
29	O	202	CLA	C3B-C4B	2.35	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	A	830	CLA	CHC-C1C	2.35	1.43	1.38
29	6	612	CLA	C3B-C4B	2.34	1.49	1.42
29	7	305	CLA	C3B-C4B	2.34	1.49	1.42
29	A	817	CLA	CHC-C1C	2.34	1.43	1.38
29	a	602	CLA	C3B-C4B	2.34	1.49	1.42
30	b	605	KC2	C4B-NB	-2.34	1.34	1.37
29	e	603	CLA	C3B-C4B	2.34	1.49	1.42
29	A	819	CLA	C1B-C2B	2.34	1.48	1.43
30	c	611	KC2	C4B-NB	-2.34	1.34	1.37
29	A	834	CLA	CHC-C1C	2.34	1.43	1.38
29	1	607	CLA	C3B-C4B	2.34	1.49	1.42
29	A	826	CLA	C3B-C4B	2.34	1.49	1.42
29	B	819	CLA	CMB-C2B	-2.34	1.46	1.50
29	A	812	CLA	C3B-C4B	2.34	1.49	1.42
29	B	835	CLA	C3B-C4B	2.34	1.49	1.42
29	K	102	CLA	C3B-C4B	2.34	1.49	1.42
29	A	828	CLA	CMB-C2B	-2.34	1.46	1.50
29	B	809	CLA	CMB-C2B	-2.34	1.46	1.50
34	3	301	LHG	O7-C5	-2.34	1.41	1.46
29	1	606	CLA	C3B-C4B	2.34	1.49	1.42
29	A	820	CLA	C3B-C4B	2.34	1.49	1.42
29	3	310	CLA	C3B-C4B	2.34	1.49	1.42
29	5	609	CLA	C3B-C4B	2.34	1.49	1.42
29	5	613	CLA	C3B-C4B	2.34	1.49	1.42
29	3	306	CLA	CHC-C1C	2.34	1.43	1.38
29	5	604	CLA	CHC-C1C	2.34	1.43	1.38
29	6	609	CLA	C3B-C4B	2.34	1.49	1.42
29	6	612	CLA	CHC-C1C	2.34	1.43	1.38
37	L	205	8CT	C33-C32	-2.34	1.44	1.50
29	5	602	CLA	CMD-C2D	-2.33	1.46	1.50
29	B	816	CLA	CHC-C1C	2.33	1.43	1.38
29	a	603	CLA	C3B-C4B	2.33	1.49	1.42
29	5	604	CLA	C3B-C4B	2.33	1.49	1.42
34	Z	311	LHG	O7-C5	-2.33	1.41	1.46
29	B	836	CLA	CHC-C1C	2.33	1.43	1.38
29	c	607	CLA	C3B-C4B	2.33	1.49	1.42
29	8	301	CLA	C3B-C4B	2.33	1.49	1.42
29	e	607	CLA	C3B-C4B	2.33	1.49	1.42
35	Z	310	LMG	C4-C5	2.33	1.58	1.53
29	b	603	CLA	C3B-C4B	2.33	1.49	1.42
29	7	305	CLA	CHC-C1C	2.33	1.43	1.38
29	3	304	CLA	C3B-C4B	2.33	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	9	313	CLA	C3B-C4B	2.33	1.49	1.42
29	6	604	CLA	C3B-C4B	2.33	1.49	1.42
29	c	601	CLA	C3B-C4B	2.33	1.49	1.42
29	Z	302	CLA	C3B-C4B	2.33	1.49	1.42
29	a	608	CLA	CHC-C1C	2.33	1.43	1.38
29	B	810	CLA	CHC-C1C	2.33	1.43	1.38
29	e	611	CLA	C3B-C4B	2.33	1.49	1.42
29	A	802	CLA	C3B-C4B	2.33	1.49	1.42
29	6	603	CLA	C3B-C4B	2.33	1.49	1.42
29	1	609	CLA	C3B-C4B	2.33	1.49	1.42
29	4	602	CLA	CHC-C1C	2.33	1.43	1.38
33	c	620	IHT	C28-C26	-2.33	1.49	1.50
29	2	606	CLA	C3B-C4B	2.32	1.49	1.42
29	1	612	CLA	C3B-C4B	2.32	1.49	1.42
37	B	851	8CT	C33-C32	-2.32	1.44	1.50
29	6	607	CLA	CHC-C1C	2.32	1.43	1.38
29	c	604	CLA	C3B-C4B	2.32	1.49	1.42
29	A	817	CLA	C1B-C2B	2.32	1.48	1.43
29	2	607	CLA	C3B-C4B	2.32	1.49	1.42
37	I	101	8CT	C30-C29	2.32	1.53	1.50
29	6	606	CLA	C3B-C4B	2.32	1.49	1.42
29	a	601	CLA	C3B-C4B	2.32	1.49	1.42
29	c	609	CLA	C3B-C4B	2.32	1.49	1.42
29	c	601	CLA	CHC-C1C	2.32	1.43	1.38
29	1	608	CLA	C3B-C4B	2.32	1.49	1.42
29	d	608	CLA	C3B-C4B	2.32	1.49	1.42
30	e	605	KC2	C4B-NB	-2.32	1.34	1.37
29	B	811	CLA	CMD-C2D	-2.32	1.46	1.50
29	7	306	CLA	CHC-C1C	2.32	1.43	1.38
29	2	611	CLA	C3B-C4B	2.32	1.49	1.42
29	9	315	CLA	C3B-C4B	2.31	1.49	1.42
29	4	611	CLA	C3B-C4B	2.31	1.49	1.42
29	c	612	CLA	CHC-C1C	2.31	1.43	1.38
29	4	602	CLA	C3B-C4B	2.31	1.49	1.42
29	3	304	CLA	CHC-C1C	2.31	1.43	1.38
29	c	606	CLA	CHC-C1C	2.31	1.43	1.38
29	2	602	CLA	CHC-C1C	2.31	1.43	1.38
30	5	610	KC2	C4B-NB	-2.31	1.34	1.37
29	5	603	CLA	C3B-C4B	2.31	1.49	1.42
29	a	604	CLA	C3B-C4B	2.31	1.49	1.42
29	2	604	CLA	CMB-C2B	-2.31	1.46	1.50
29	2	607	CLA	CHC-C1C	2.31	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	B	802	CLA	MG-NB	-2.31	2.01	2.05
29	A	839	CLA	CMD-C2D	-2.31	1.46	1.50
29	9	310	CLA	C3B-C4B	2.31	1.49	1.42
29	B	805	CLA	C3B-C4B	2.31	1.49	1.42
29	B	838	CLA	C3B-C4B	2.31	1.49	1.42
29	3	313	CLA	C3B-C4B	2.31	1.49	1.42
29	Z	305	CLA	CHC-C1C	2.31	1.43	1.38
36	a	618	SQD	O9-S	2.30	1.51	1.45
29	4	610	CLA	CMD-C2D	-2.30	1.46	1.50
33	8	309	IHT	C02-C07	-2.30	1.50	1.53
29	c	604	CLA	CHC-C1C	2.30	1.43	1.38
29	B	809	CLA	MG-NB	-2.30	2.01	2.05
29	2	604	CLA	C3B-C4B	2.30	1.49	1.42
29	9	305	CLA	C3B-C4B	2.30	1.49	1.42
29	4	606	CLA	CHC-C1C	2.30	1.43	1.38
29	c	602	CLA	CHC-C1C	2.30	1.43	1.38
31	8	313	II0	C27-C25	-2.30	1.49	1.50
29	Z	304	CLA	C3B-C4B	2.30	1.49	1.42
29	X	301	CLA	C3B-C4B	2.30	1.49	1.42
29	8	302	CLA	C3B-C4B	2.30	1.49	1.42
29	7	303	CLA	CHC-C1C	2.30	1.43	1.38
29	1	604	CLA	C3B-C4B	2.30	1.49	1.42
29	9	304	CLA	C3B-C4B	2.30	1.49	1.42
29	e	607	CLA	CHC-C1C	2.30	1.43	1.38
36	9	301	SQD	O9-S	2.30	1.51	1.45
29	A	840	CLA	C1B-C2B	2.29	1.48	1.43
29	8	304	CLA	C3B-C4B	2.29	1.49	1.42
29	9	314	CLA	C3B-C4B	2.29	1.49	1.42
29	a	606	CLA	CMD-C2D	-2.29	1.46	1.50
30	1	610	KC2	C4B-NB	-2.29	1.34	1.37
30	d	610	KC2	C4B-NB	-2.29	1.34	1.37
29	A	825	CLA	C3B-C4B	2.29	1.49	1.42
29	1	604	CLA	CHC-C1C	2.29	1.43	1.38
29	B	839	CLA	C3B-C4B	2.29	1.49	1.42
29	e	603	CLA	CHC-C1C	2.29	1.43	1.38
29	B	840	CLA	C3B-C4B	2.29	1.49	1.42
29	5	612	CLA	C3B-C4B	2.29	1.49	1.42
29	8	303	CLA	CHC-C1C	2.29	1.43	1.38
29	B	825	CLA	CHC-C1C	2.29	1.43	1.38
29	B	826	CLA	C3B-C4B	2.29	1.49	1.42
29	8	306	CLA	C3B-C4B	2.29	1.49	1.42
29	1	601	CLA	CHC-C1C	2.29	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	8	301	CLA	CHC-C1C	2.29	1.43	1.38
29	A	824	CLA	CHC-C1C	2.29	1.43	1.38
29	A	843	CLA	C3B-C4B	2.29	1.49	1.42
29	b	608	CLA	C3B-C4B	2.29	1.49	1.42
29	c	602	CLA	C3B-C4B	2.29	1.49	1.42
29	A	823	CLA	CHC-C1C	2.29	1.43	1.38
29	a	609	CLA	C3B-C4B	2.29	1.49	1.42
35	F	204	LMG	O8-C9	-2.29	1.40	1.45
29	A	822	CLA	CHC-C1C	2.28	1.43	1.38
29	2	612	CLA	CHC-C1C	2.28	1.43	1.38
29	9	315	CLA	CHC-C1C	2.28	1.43	1.38
29	Z	303	CLA	C3B-C4B	2.28	1.49	1.42
29	B	837	CLA	MG-NB	-2.28	2.01	2.05
30	3	307	KC2	C4A-C3A	-2.28	1.39	1.44
29	c	615	CLA	CHC-C1C	2.28	1.43	1.38
29	3	308	CLA	CMD-C2D	-2.28	1.46	1.50
37	A	845	8CT	C30-C29	2.28	1.53	1.50
29	F	201	CLA	MG-NB	-2.28	2.01	2.05
33	a	616	IHT	C02-C07	-2.28	1.50	1.53
29	B	816	CLA	C3B-C4B	2.28	1.49	1.42
29	7	312	CLA	CHC-C1C	2.28	1.43	1.38
29	O	204	CLA	C3B-C4B	2.28	1.49	1.42
36	7	321	SQD	O9-S	2.27	1.51	1.45
34	A	851	LHG	O7-C5	-2.27	1.41	1.46
29	X	301	CLA	CHC-C1C	2.27	1.43	1.38
34	9	321	LHG	O7-C5	-2.27	1.41	1.46
29	Z	302	CLA	CHC-C1C	2.27	1.43	1.38
29	3	311	CLA	C3B-C4B	2.27	1.49	1.42
36	3	322	SQD	O9-S	2.27	1.51	1.45
29	A	824	CLA	C3B-C4B	2.27	1.49	1.42
29	1	608	CLA	CHC-C1C	2.27	1.43	1.38
29	5	604	CLA	CMD-C2D	-2.27	1.46	1.50
35	6	617	LMG	C4-C3	2.27	1.58	1.52
37	K	103	8CT	C33-C32	-2.27	1.44	1.50
29	2	609	CLA	C3B-C4B	2.27	1.49	1.42
29	5	611	CLA	C3B-C4B	2.27	1.49	1.42
29	1	609	CLA	CHC-C1C	2.27	1.43	1.38
29	4	603	CLA	C3B-C4B	2.27	1.49	1.42
29	6	602	CLA	CHC-C1C	2.27	1.43	1.38
37	Z	308	8CT	C33-C32	-2.27	1.44	1.50
29	A	826	CLA	CHC-C1C	2.27	1.43	1.38
29	L	202	CLA	CHC-C1C	2.27	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	5	601	CLA	CHC-C1C	2.27	1.43	1.38
29	B	813	CLA	CHC-C1C	2.27	1.43	1.38
29	b	610	CLA	C3B-C4B	2.27	1.49	1.42
29	7	302	CLA	C3B-C4B	2.26	1.49	1.42
36	O	207	SQD	O9-S	2.26	1.51	1.45
29	B	826	CLA	CMC-C2C	-2.26	1.46	1.50
29	A	829	CLA	CHC-C1C	2.26	1.43	1.38
37	A	847	8CT	C33-C32	-2.26	1.44	1.50
29	8	303	CLA	C3B-C4B	2.26	1.49	1.42
29	A	827	CLA	C3B-C4B	2.26	1.49	1.42
29	5	602	CLA	MG-NB	-2.26	2.01	2.05
29	1	612	CLA	CHC-C1C	2.26	1.43	1.38
29	B	840	CLA	MG-NB	-2.26	2.01	2.05
29	2	603	CLA	C3B-C4B	2.26	1.49	1.42
29	O	202	CLA	CHC-C1C	2.26	1.43	1.38
29	A	840	CLA	CMB-C2B	-2.26	1.46	1.50
34	4	619	LHG	O7-C5	-2.26	1.41	1.46
29	8	308	CLA	C3B-C4B	2.26	1.49	1.42
29	B	817	CLA	MG-NB	-2.26	2.01	2.05
29	b	610	CLA	CHC-C1C	2.26	1.43	1.38
29	3	303	CLA	C3B-C4B	2.26	1.49	1.42
29	e	610	CLA	C3B-C4B	2.26	1.49	1.42
29	A	836	CLA	C3B-C4B	2.26	1.49	1.42
29	3	302	CLA	CHC-C1C	2.26	1.43	1.38
29	5	612	CLA	CHC-C1C	2.26	1.43	1.38
29	B	823	CLA	C3B-C4B	2.26	1.49	1.42
29	B	821	CLA	C3B-C4B	2.26	1.49	1.42
29	B	825	CLA	C3B-C4B	2.26	1.49	1.42
29	J	103	CLA	CMD-C2D	-2.26	1.46	1.50
29	a	605	CLA	CMD-C2D	-2.26	1.46	1.50
29	B	826	CLA	CHC-C1C	2.26	1.43	1.38
29	d	611	CLA	C3B-C4B	2.26	1.49	1.42
29	c	604	CLA	CMB-C2B	-2.25	1.46	1.50
29	B	834	CLA	MG-NB	-2.25	2.01	2.05
29	A	840	CLA	MG-NB	-2.25	2.01	2.05
29	6	604	CLA	CHC-C1C	2.25	1.43	1.38
29	B	819	CLA	C3B-C4B	2.25	1.49	1.42
37	B	848	8CT	C33-C32	-2.25	1.44	1.50
29	1	611	CLA	C3B-C4B	2.25	1.49	1.42
29	6	602	CLA	C3B-C4B	2.25	1.49	1.42
29	A	827	CLA	CHC-C1C	2.25	1.43	1.38
31	d	613	II0	C27-C25	-2.25	1.49	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	8	317	CLA	C3B-C4B	2.25	1.49	1.42
29	B	802	CLA	CHC-C1C	2.25	1.43	1.38
29	O	203	CLA	CHC-C1C	2.25	1.43	1.38
29	4	601	CLA	C3B-C4B	2.25	1.49	1.42
29	5	613	CLA	CHC-C1C	2.25	1.43	1.38
29	4	601	CLA	MG-NB	-2.25	2.01	2.05
29	4	609	CLA	C3B-C4B	2.25	1.49	1.42
29	A	816	CLA	CHC-C1C	2.25	1.43	1.38
29	A	811	CLA	CHC-C1C	2.25	1.43	1.38
29	a	609	CLA	CHC-C1C	2.25	1.43	1.38
29	e	602	CLA	C3B-C4B	2.25	1.49	1.42
29	c	607	CLA	CHC-C1C	2.25	1.43	1.38
29	e	601	CLA	CHC-C1C	2.25	1.43	1.38
29	7	309	CLA	C3B-C4B	2.25	1.49	1.42
29	c	609	CLA	CHC-C1C	2.25	1.43	1.38
29	1	613	CLA	CHC-C1C	2.25	1.43	1.38
29	a	603	CLA	CHC-C1C	2.25	1.43	1.38
29	d	609	CLA	CHC-C1C	2.25	1.43	1.38
29	B	823	CLA	CMD-C2D	-2.25	1.46	1.50
29	1	605	CLA	C3B-C4B	2.25	1.49	1.42
29	A	843	CLA	CHC-C1C	2.25	1.43	1.38
29	A	829	CLA	C3B-C4B	2.24	1.49	1.42
29	c	603	CLA	C3B-C4B	2.24	1.49	1.42
30	7	310	KC2	C4A-C3A	-2.24	1.40	1.44
34	e	617	LHG	P-O6	2.24	1.68	1.59
29	9	314	CLA	CHC-C1C	2.24	1.43	1.38
29	8	302	CLA	CMB-C2B	-2.24	1.46	1.50
29	d	602	CLA	MG-NB	-2.24	2.01	2.05
29	A	823	CLA	C3B-C4B	2.24	1.49	1.42
29	A	819	CLA	C3B-C4B	2.24	1.49	1.42
29	3	312	CLA	CHC-C1C	2.24	1.43	1.38
29	9	313	CLA	CHC-C1C	2.24	1.43	1.38
34	B	801	LHG	P-O6	2.24	1.67	1.60
29	B	833	CLA	CMD-C2D	-2.24	1.46	1.50
29	A	838	CLA	C3B-C4B	2.24	1.49	1.42
37	4	616	8CT	C17-C16	2.24	1.41	1.35
29	3	310	CLA	CHC-C1C	2.24	1.43	1.38
29	4	604	CLA	CHC-C1C	2.24	1.43	1.38
29	A	821	CLA	CMD-C2D	-2.24	1.46	1.50
29	7	304	CLA	C3B-C4B	2.24	1.49	1.42
29	A	808	CLA	C3B-C4B	2.24	1.49	1.42
29	B	822	CLA	CMD-C2D	-2.24	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	A	833	CLA	CHC-C1C	2.24	1.43	1.38
29	Z	303	CLA	CHC-C1C	2.24	1.43	1.38
29	A	819	CLA	CMB-C2B	-2.24	1.46	1.50
29	a	607	CLA	CHC-C1C	2.24	1.43	1.38
29	1	602	CLA	CHC-C1C	2.24	1.43	1.38
29	A	838	CLA	CHC-C1C	2.24	1.43	1.38
31	b	614	II0	C28-C26	-2.24	1.49	1.50
29	7	303	CLA	MG-NB	-2.24	2.01	2.05
29	a	604	CLA	CHC-C1C	2.24	1.43	1.38
34	2	619	LHG	O7-C5	-2.24	1.41	1.46
29	e	606	CLA	CMD-C2D	-2.24	1.46	1.50
29	A	801	CLA	MG-NB	-2.24	2.01	2.05
29	7	303	CLA	C3B-C4B	2.24	1.49	1.42
29	9	305	CLA	CHC-C1C	2.24	1.43	1.38
29	a	607	CLA	MG-NB	-2.24	2.01	2.05
29	A	803	CLA	C3B-C4B	2.24	1.49	1.42
29	e	611	CLA	CHC-C1C	2.24	1.43	1.38
33	1	618	IHT	C02-C07	-2.24	1.50	1.53
29	B	835	CLA	CHC-C1C	2.24	1.43	1.38
29	A	836	CLA	CMB-C2B	-2.24	1.46	1.50
29	4	604	CLA	C3B-C4B	2.24	1.49	1.42
29	6	609	CLA	CHC-C1C	2.23	1.43	1.38
29	1	603	CLA	C3B-C4B	2.23	1.49	1.42
29	2	611	CLA	CHC-C1C	2.23	1.43	1.38
29	b	607	CLA	CHC-C1C	2.23	1.43	1.38
29	B	811	CLA	C3B-C4B	2.23	1.49	1.42
29	8	302	CLA	CHC-C1C	2.23	1.43	1.38
30	7	313	KC2	C4B-NB	-2.23	1.34	1.37
29	B	823	CLA	CMC-C2C	-2.23	1.46	1.50
29	B	813	CLA	C3B-C4B	2.23	1.49	1.42
29	c	615	CLA	CMD-C2D	-2.23	1.46	1.50
36	3	322	SQD	O7-S	2.23	1.51	1.45
29	3	304	CLA	CMD-C2D	-2.23	1.46	1.50
31	a	614	II0	C27-C25	-2.23	1.49	1.50
37	F	203	8CT	C33-C32	-2.23	1.44	1.50
29	5	605	CLA	CHC-C1C	2.23	1.43	1.38
29	7	309	CLA	CHC-C1C	2.23	1.43	1.38
29	B	840	CLA	CHC-C1C	2.23	1.43	1.38
29	B	829	CLA	C3B-C4B	2.23	1.49	1.42
29	d	603	CLA	C3B-C4B	2.23	1.49	1.42
29	c	603	CLA	MG-NB	-2.23	2.01	2.05
29	B	823	CLA	CHC-C1C	2.23	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	A	835	CLA	C3B-C4B	2.23	1.49	1.42
29	2	609	CLA	CHC-C1C	2.23	1.43	1.38
36	3	320	SQD	O9-S	2.23	1.51	1.45
36	3	320	SQD	O7-S	2.23	1.51	1.45
29	B	828	CLA	CHC-C1C	2.23	1.43	1.38
29	b	606	CLA	C3B-C4B	2.23	1.49	1.42
29	d	608	CLA	CHC-C1C	2.23	1.43	1.38
29	B	802	CLA	C3B-C4B	2.23	1.49	1.42
29	4	607	CLA	MG-NB	-2.23	2.01	2.05
29	A	836	CLA	MG-NB	-2.23	2.01	2.05
29	b	603	CLA	CHC-C1C	2.23	1.42	1.38
29	a	607	CLA	C3B-C4B	2.23	1.49	1.42
29	1	602	CLA	MG-NB	-2.23	2.01	2.05
31	c	621	II0	C14-C10	-2.22	1.32	1.35
29	d	601	CLA	CHC-C1C	2.22	1.42	1.38
29	e	610	CLA	CHC-C1C	2.22	1.42	1.38
29	b	604	CLA	C3B-C4B	2.22	1.49	1.42
29	6	603	CLA	CHC-C1C	2.22	1.42	1.38
29	e	608	CLA	CHC-C1C	2.22	1.42	1.38
29	A	853	CLA	CMB-C2B	-2.22	1.46	1.50
29	6	611	CLA	C3B-C4B	2.22	1.49	1.42
29	e	602	CLA	CHC-C1C	2.22	1.42	1.38
29	6	608	CLA	C3B-C4B	2.22	1.49	1.42
29	4	607	CLA	C3B-C4B	2.22	1.49	1.42
29	9	308	CLA	C3B-C4B	2.22	1.49	1.42
29	9	309	CLA	CHC-C1C	2.22	1.42	1.38
29	2	602	CLA	CMD-C2D	-2.22	1.46	1.50
29	B	834	CLA	CMD-C2D	-2.22	1.46	1.50
29	9	312	CLA	C3B-C4B	2.22	1.49	1.42
29	d	611	CLA	CHC-C1C	2.22	1.42	1.38
29	B	822	CLA	MG-NB	-2.22	2.01	2.05
29	2	608	CLA	C3B-C4B	2.22	1.49	1.42
29	B	831	CLA	C3B-C4B	2.22	1.49	1.42
29	A	839	CLA	CHC-C1C	2.22	1.42	1.38
29	1	602	CLA	C3B-C4B	2.22	1.49	1.42
31	R	201	II0	C27-C25	-2.22	1.49	1.50
29	4	608	CLA	C3B-C4B	2.22	1.49	1.42
29	A	837	CLA	C3B-C4B	2.22	1.49	1.42
29	B	841	CLA	C3B-C4B	2.22	1.49	1.42
29	2	604	CLA	CHC-C1C	2.22	1.42	1.38
29	4	607	CLA	CHC-C1C	2.22	1.42	1.38
29	B	819	CLA	CHC-C1C	2.22	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	O	201	CLA	CMD-C2D	-2.22	1.46	1.50
29	7	302	CLA	CHC-C1C	2.22	1.42	1.38
29	A	836	CLA	CHC-C1C	2.22	1.42	1.38
29	A	814	CLA	C3B-C4B	2.21	1.49	1.42
29	b	611	CLA	C3B-C4B	2.21	1.49	1.42
37	4	616	8CT	C25-C26	2.21	1.40	1.35
29	9	306	CLA	CHC-C1C	2.21	1.42	1.38
29	A	854	CLA	C3B-C4B	2.21	1.49	1.42
29	4	601	CLA	CMB-C2B	-2.21	1.46	1.50
29	2	603	CLA	CHC-C1C	2.21	1.42	1.38
29	c	603	CLA	CHC-C1C	2.21	1.42	1.38
29	b	608	CLA	CHC-C1C	2.21	1.42	1.38
29	e	604	CLA	C3B-C4B	2.21	1.49	1.42
29	A	817	CLA	MG-NB	-2.21	2.01	2.05
29	c	608	CLA	C3B-C4B	2.21	1.49	1.42
30	d	610	KC2	C4A-C3A	-2.21	1.40	1.44
29	5	603	CLA	CHC-C1C	2.21	1.42	1.38
29	B	805	CLA	CHC-C1C	2.21	1.42	1.38
29	B	827	CLA	CHC-C1C	2.21	1.42	1.38
29	B	808	CLA	CMD-C2D	-2.21	1.46	1.50
29	5	611	CLA	CHC-C1C	2.21	1.42	1.38
29	B	803	CLA	CMD-C2D	-2.21	1.46	1.50
29	a	607	CLA	CMB-C2B	-2.21	1.46	1.50
29	7	308	CLA	C3B-C4B	2.21	1.49	1.42
29	A	853	CLA	C3B-C4B	2.21	1.49	1.42
29	b	607	CLA	C3B-C4B	2.21	1.49	1.42
29	B	825	CLA	CMD-C2D	-2.21	1.46	1.50
29	B	828	CLA	C3B-C4B	2.21	1.49	1.42
29	A	818	CLA	MG-NB	-2.21	2.01	2.05
29	B	818	CLA	MG-NB	-2.21	2.01	2.05
29	B	834	CLA	CMB-C2B	-2.21	1.46	1.50
35	8	314	LMG	O7-C8	-2.21	1.41	1.46
29	e	606	CLA	C3B-C4B	2.21	1.49	1.42
29	B	809	CLA	C3B-C4B	2.21	1.49	1.42
36	O	207	SQD	C24-C23	2.21	1.59	1.51
29	B	808	CLA	C3B-C4B	2.21	1.49	1.42
29	1	607	CLA	CHC-C1C	2.21	1.42	1.38
29	A	829	CLA	CMB-C2B	-2.21	1.46	1.50
29	A	843	CLA	MG-NB	-2.20	2.01	2.05
37	J	104	8CT	C33-C32	-2.20	1.44	1.50
29	A	816	CLA	C3B-C4B	2.20	1.49	1.42
29	K	101	CLA	C3B-C4B	2.20	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	a	611	CLA	C3B-C4B	2.20	1.49	1.42
29	e	610	CLA	MG-NB	-2.20	2.01	2.05
29	7	311	CLA	C3B-C4B	2.20	1.49	1.42
29	A	840	CLA	CMC-C2C	-2.20	1.46	1.50
29	8	306	CLA	CHC-C1C	2.20	1.42	1.38
29	B	838	CLA	CHC-C1C	2.20	1.42	1.38
29	7	308	CLA	MG-NB	-2.20	2.01	2.05
36	7	321	SQD	O7-S	2.20	1.51	1.45
29	B	817	CLA	CHC-C1C	2.20	1.42	1.38
29	6	603	CLA	MG-NB	-2.20	2.01	2.05
29	A	841	CLA	CHC-C1C	2.20	1.42	1.38
29	B	833	CLA	CHC-C1C	2.20	1.42	1.38
29	A	833	CLA	CMB-C2B	-2.20	1.46	1.50
29	R	202	CLA	CMB-C2B	-2.20	1.46	1.50
29	2	602	CLA	C3B-C4B	2.20	1.49	1.42
29	5	608	CLA	C3B-C4B	2.20	1.49	1.42
32	1	615	II3	C05-C03	-2.20	1.52	1.54
29	A	804	CLA	C3B-C4B	2.20	1.49	1.42
34	A	850	LHG	O7-C5	-2.20	1.41	1.46
29	a	611	CLA	MG-NB	-2.20	2.01	2.05
29	A	806	CLA	C3B-C4B	2.20	1.49	1.42
29	a	601	CLA	CHC-C1C	2.20	1.42	1.38
29	B	832	CLA	CMD-C2D	-2.20	1.46	1.50
31	d	614	II0	C28-C26	-2.20	1.49	1.50
29	a	603	CLA	CMD-C2D	-2.20	1.46	1.50
29	B	831	CLA	CHC-C1C	2.20	1.42	1.38
29	6	607	CLA	CMD-C2D	-2.20	1.46	1.50
29	B	803	CLA	CMC-C2C	-2.20	1.46	1.50
36	a	618	SQD	O7-S	2.20	1.51	1.45
29	8	307	CLA	C3B-C4B	2.20	1.49	1.42
29	8	307	CLA	CHC-C1C	2.20	1.42	1.38
29	1	603	CLA	CHC-C1C	2.20	1.42	1.38
29	B	811	CLA	CHC-C1C	2.20	1.42	1.38
36	9	301	SQD	O7-S	2.20	1.51	1.45
29	d	602	CLA	CMD-C2D	-2.20	1.46	1.50
37	B	844	8CT	C33-C32	-2.20	1.44	1.50
29	7	311	CLA	MG-NB	-2.20	2.01	2.05
29	9	304	CLA	CHC-C1C	2.19	1.42	1.38
29	6	611	CLA	MG-NB	-2.19	2.01	2.05
29	F	201	CLA	CMD-C2D	-2.19	1.46	1.50
29	A	839	CLA	MG-NB	-2.19	2.01	2.05
29	3	308	CLA	C3B-C4B	2.19	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	2	605	CLA	CHC-C1C	2.19	1.42	1.38
29	B	831	CLA	MG-NB	-2.19	2.01	2.05
29	a	606	CLA	CHC-C1C	2.19	1.42	1.38
29	d	602	CLA	CHC-C1C	2.19	1.42	1.38
29	B	829	CLA	CMB-C2B	-2.19	1.46	1.50
29	d	603	CLA	CHC-C1C	2.19	1.42	1.38
29	B	812	CLA	MG-NB	-2.19	2.01	2.05
29	B	833	CLA	C3B-C4B	2.19	1.49	1.42
29	3	312	CLA	CMD-C2D	-2.19	1.46	1.50
29	A	832	CLA	MG-NB	-2.19	2.01	2.05
29	2	608	CLA	CHC-C1C	2.19	1.42	1.38
31	1	620	II0	C14-C10	-2.19	1.32	1.35
29	b	602	CLA	C3B-C4B	2.19	1.49	1.42
29	B	837	CLA	C3B-C4B	2.19	1.49	1.42
29	A	829	CLA	MG-NB	-2.19	2.01	2.05
29	K	101	CLA	CMD-C2D	-2.19	1.46	1.50
34	7	319	LHG	P-O6	2.19	1.68	1.59
34	J	101	LHG	P-O6	2.19	1.68	1.59
29	A	831	CLA	C3B-C4B	2.19	1.49	1.42
29	B	807	CLA	C3B-C4B	2.19	1.49	1.42
29	b	602	CLA	MG-NB	-2.19	2.01	2.05
29	1	611	CLA	CMD-C2D	-2.19	1.46	1.50
29	5	607	CLA	CMB-C2B	-2.19	1.46	1.50
29	A	801	CLA	CMD-C2D	-2.19	1.46	1.50
29	8	308	CLA	CHC-C1C	2.19	1.42	1.38
29	B	819	CLA	MG-NB	-2.19	2.01	2.05
29	O	204	CLA	CHC-C1C	2.19	1.42	1.38
30	c	610	KC2	C4A-C3A	-2.19	1.40	1.44
29	9	307	CLA	MG-NB	-2.19	2.01	2.05
29	A	853	CLA	CMD-C2D	-2.18	1.46	1.50
29	5	608	CLA	CHC-C1C	2.18	1.42	1.38
30	1	610	KC2	C4A-C3A	-2.18	1.40	1.44
30	e	609	KC2	C4A-C3A	-2.18	1.40	1.44
29	5	607	CLA	MG-NB	-2.18	2.01	2.05
29	d	612	CLA	C3B-C4B	2.18	1.49	1.42
29	8	305	CLA	C3B-C4B	2.18	1.49	1.42
29	K	101	CLA	MG-NB	-2.18	2.01	2.05
29	4	610	CLA	C3B-C4B	2.18	1.49	1.42
36	9	301	SQD	C24-C23	2.18	1.59	1.51
29	b	602	CLA	CMD-C2D	-2.18	1.46	1.50
29	A	838	CLA	MG-NB	-2.18	2.01	2.05
29	A	843	CLA	CMB-C2B	-2.18	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
34	M	102	LHG	O7-C5	-2.18	1.41	1.46
29	9	309	CLA	C3B-C4B	2.18	1.49	1.42
29	L	203	CLA	C3B-C4B	2.18	1.49	1.42
29	a	611	CLA	CHC-C1C	2.18	1.42	1.38
29	b	611	CLA	CHC-C1C	2.18	1.42	1.38
29	9	308	CLA	CMD-C2D	-2.18	1.46	1.50
29	b	601	CLA	CHC-C1C	2.18	1.42	1.38
29	A	827	CLA	MG-NB	-2.18	2.01	2.05
29	A	808	CLA	CHC-C1C	2.18	1.42	1.38
36	B	850	SQD	O9-S	2.18	1.51	1.45
37	A	846	8CT	C33-C32	-2.18	1.44	1.50
29	B	821	CLA	CHC-C1C	2.18	1.42	1.38
29	e	610	CLA	CMD-C2D	-2.18	1.46	1.50
36	O	207	SQD	O7-S	2.18	1.51	1.45
29	5	602	CLA	C3B-C4B	2.18	1.49	1.42
29	c	613	CLA	C3B-C4B	2.18	1.49	1.42
29	B	808	CLA	MG-NB	-2.18	2.01	2.05
29	Z	303	CLA	MG-NB	-2.18	2.01	2.05
29	b	607	CLA	MG-NB	-2.18	2.01	2.05
29	A	814	CLA	MG-NB	-2.18	2.01	2.05
29	A	837	CLA	CMB-C2B	-2.18	1.46	1.50
29	c	608	CLA	CHC-C1C	2.18	1.42	1.38
34	4	620	LHG	P-O6	2.18	1.67	1.59
29	b	606	CLA	MG-NB	-2.18	2.01	2.05
29	5	607	CLA	CMD-C2D	-2.18	1.46	1.50
29	7	311	CLA	CMD-C2D	-2.18	1.46	1.50
30	6	610	KC2	C4A-C3A	-2.18	1.40	1.44
29	B	816	CLA	MG-NB	-2.18	2.01	2.05
29	d	611	CLA	MG-NB	-2.18	2.01	2.05
29	B	818	CLA	CMB-C2B	-2.18	1.46	1.50
30	Z	306	KC2	C4A-C3A	-2.18	1.40	1.44
29	Z	304	CLA	CHC-C1C	2.18	1.42	1.38
29	A	854	CLA	MG-NB	-2.18	2.01	2.05
29	9	307	CLA	C3B-C4B	2.17	1.49	1.42
29	6	605	CLA	CHC-C1C	2.17	1.42	1.38
29	O	201	CLA	MG-NB	-2.17	2.01	2.05
29	2	603	CLA	MG-NB	-2.17	2.01	2.05
29	B	835	CLA	MG-NB	-2.17	2.01	2.05
29	8	317	CLA	CMB-C2B	-2.17	1.46	1.50
29	b	602	CLA	CHC-C1C	2.17	1.42	1.38
35	6	617	LMG	O7-C8	-2.17	1.41	1.46
33	2	616	IHT	C02-C07	-2.17	1.51	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	d	607	CLA	MG-NB	-2.17	2.01	2.05
29	O	201	CLA	C3B-C4B	2.17	1.49	1.42
29	3	306	CLA	CMD-C2D	-2.17	1.46	1.50
30	2	610	KC2	C4A-C3A	-2.17	1.40	1.44
31	9	316	II0	C27-C25	-2.17	1.49	1.50
29	B	834	CLA	C3B-C4B	2.17	1.49	1.42
29	B	839	CLA	CMB-C2B	-2.17	1.46	1.50
29	A	832	CLA	C3B-C4B	2.17	1.49	1.42
29	9	312	CLA	CMB-C2B	-2.17	1.46	1.50
29	B	814	CLA	CMD-C2D	-2.17	1.46	1.50
29	1	613	CLA	CMB-C2B	-2.17	1.46	1.50
29	6	611	CLA	CHC-C1C	2.17	1.42	1.38
29	7	307	CLA	CMB-C2B	-2.17	1.46	1.50
29	7	303	CLA	CMD-C2D	-2.17	1.46	1.50
29	9	302	CLA	CHC-C1C	2.17	1.42	1.38
29	9	303	CLA	CHC-C1C	2.17	1.42	1.38
29	B	806	CLA	C3B-C4B	2.17	1.49	1.42
29	6	602	CLA	CMD-C2D	-2.17	1.46	1.50
29	8	317	CLA	CMD-C2D	-2.17	1.46	1.50
37	B	852	8CT	C33-C32	-2.17	1.44	1.50
29	4	604	CLA	MG-NB	-2.17	2.01	2.05
30	b	605	KC2	C4A-C3A	-2.17	1.40	1.44
29	3	311	CLA	CHC-C1C	2.17	1.42	1.38
29	A	820	CLA	CHC-C1C	2.17	1.42	1.38
29	d	606	CLA	CHC-C1C	2.17	1.42	1.38
29	L	203	CLA	CHC-C1C	2.17	1.42	1.38
29	A	840	CLA	CMD-C2D	-2.17	1.46	1.50
29	4	608	CLA	MG-NB	-2.17	2.01	2.05
29	B	808	CLA	CMB-C2B	-2.17	1.46	1.50
29	3	308	CLA	MG-NB	-2.17	2.01	2.05
29	8	304	CLA	CMD-C2D	-2.16	1.46	1.50
29	7	304	CLA	MG-NB	-2.16	2.01	2.05
29	8	304	CLA	CHC-C1C	2.16	1.42	1.38
29	B	803	CLA	MG-NB	-2.16	2.01	2.05
29	L	201	CLA	CHC-C1C	2.16	1.42	1.38
29	R	202	CLA	C3B-C4B	2.16	1.49	1.42
29	1	605	CLA	CHC-C1C	2.16	1.42	1.38
29	1	611	CLA	CHC-C1C	2.16	1.42	1.38
29	8	307	CLA	CMD-C2D	-2.16	1.46	1.50
29	B	812	CLA	CMC-C2C	-2.16	1.46	1.50
29	B	818	CLA	CHC-C1C	2.16	1.42	1.38
29	B	814	CLA	C3B-C4B	2.16	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	9	310	CLA	CHC-C1C	2.16	1.42	1.38
33	L	204	IHT	C29-C26	-2.16	1.32	1.37
29	9	303	CLA	C3B-C4B	2.16	1.49	1.42
29	B	827	CLA	C3B-C4B	2.16	1.49	1.42
29	L	203	CLA	CMD-C2D	-2.16	1.46	1.50
29	A	830	CLA	MG-NB	-2.16	2.01	2.05
29	4	611	CLA	CHC-C1C	2.16	1.42	1.38
29	B	818	CLA	C3B-C4B	2.16	1.49	1.42
29	A	835	CLA	CMD-C2D	-2.16	1.46	1.50
29	c	604	CLA	MG-NB	-2.16	2.01	2.05
29	b	604	CLA	CHC-C1C	2.16	1.42	1.38
29	A	803	CLA	CMC-C2C	-2.16	1.46	1.50
29	9	305	CLA	MG-NB	-2.16	2.01	2.05
29	B	819	CLA	CMD-C2D	-2.16	1.46	1.50
29	B	837	CLA	CMD-C2D	-2.16	1.46	1.50
34	L	206	LHG	O7-C5	-2.16	1.41	1.46
29	A	829	CLA	CMD-C2D	-2.16	1.46	1.50
29	B	838	CLA	CMD-C2D	-2.16	1.46	1.50
29	B	841	CLA	CHC-C1C	2.16	1.42	1.38
29	3	308	CLA	CMB-C2B	-2.15	1.46	1.50
29	A	801	CLA	CMB-C2B	-2.15	1.46	1.50
29	B	820	CLA	CHC-C1C	2.15	1.42	1.38
29	5	607	CLA	C3B-C4B	2.15	1.49	1.42
29	4	603	CLA	MG-NB	-2.15	2.01	2.05
29	e	603	CLA	MG-NB	-2.15	2.01	2.05
29	4	608	CLA	CHC-C1C	2.15	1.42	1.38
29	A	817	CLA	CMB-C2B	-2.15	1.46	1.50
29	9	308	CLA	MG-NB	-2.15	2.01	2.05
29	B	840	CLA	CMD-C2D	-2.15	1.46	1.50
29	b	610	CLA	MG-NB	-2.15	2.01	2.05
29	c	602	CLA	MG-NB	-2.15	2.01	2.05
29	a	604	CLA	CMB-C2B	-2.15	1.46	1.50
29	A	812	CLA	MG-NB	-2.15	2.01	2.05
29	a	603	CLA	MG-NB	-2.15	2.01	2.05
30	e	605	KC2	C4A-C3A	-2.15	1.40	1.44
29	A	835	CLA	MG-NB	-2.15	2.01	2.05
29	e	606	CLA	MG-NB	-2.15	2.01	2.05
29	2	605	CLA	C3B-C4B	2.15	1.49	1.42
29	6	608	CLA	CHC-C1C	2.15	1.42	1.38
29	6	601	CLA	CHC-C1C	2.15	1.42	1.38
29	5	604	CLA	CMB-C2B	-2.15	1.46	1.50
31	a	619	II0	C28-C26	-2.15	1.49	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	B	835	CLA	CMD-C2D	-2.15	1.46	1.50
29	2	601	CLA	CHC-C1C	2.15	1.42	1.38
29	J	103	CLA	CHC-C1C	2.15	1.42	1.38
29	7	311	CLA	CHC-C1C	2.15	1.42	1.38
29	8	305	CLA	CHC-C1C	2.15	1.42	1.38
29	8	307	CLA	MG-NB	-2.15	2.01	2.05
29	9	312	CLA	CHC-C1C	2.15	1.42	1.38
29	A	815	CLA	MG-NB	-2.15	2.01	2.05
29	B	830	CLA	C3B-C4B	2.15	1.49	1.42
29	Z	305	CLA	CMD-C2D	-2.15	1.46	1.50
36	B	850	SQD	O7-S	2.15	1.51	1.45
29	5	606	CLA	CHC-C1C	2.15	1.42	1.38
29	5	609	CLA	CHC-C1C	2.15	1.42	1.38
29	7	304	CLA	CHC-C1C	2.15	1.42	1.38
29	2	606	CLA	CMC-C2C	-2.15	1.46	1.50
29	8	308	CLA	CMD-C2D	-2.15	1.46	1.50
29	8	308	CLA	MG-NB	-2.15	2.01	2.05
29	O	203	CLA	MG-NB	-2.15	2.01	2.05
29	3	305	CLA	C3B-C4B	2.15	1.49	1.42
29	4	606	CLA	MG-NB	-2.15	2.01	2.05
29	B	810	CLA	CMD-C2D	-2.15	1.46	1.50
29	e	603	CLA	CMD-C2D	-2.15	1.46	1.50
34	Z	309	LHG	P-O6	2.15	1.67	1.59
37	4	616	8CT	C13-C12	2.15	1.40	1.35
29	J	103	CLA	MG-NB	-2.15	2.01	2.05
29	a	606	CLA	CMB-C2B	-2.15	1.46	1.50
29	9	305	CLA	CMB-C2B	-2.14	1.46	1.50
29	B	827	CLA	CMD-C2D	-2.14	1.46	1.50
29	e	607	CLA	MG-NB	-2.14	2.01	2.05
29	6	611	CLA	CMD-C2D	-2.14	1.46	1.50
29	A	805	CLA	CMD-C2D	-2.14	1.46	1.50
29	A	828	CLA	C3B-C4B	2.14	1.49	1.42
29	5	602	CLA	CHC-C1C	2.14	1.42	1.38
29	B	841	CLA	MG-NB	-2.14	2.01	2.05
29	3	303	CLA	MG-NB	-2.14	2.01	2.05
29	3	309	CLA	MG-NB	-2.14	2.01	2.05
29	c	615	CLA	MG-NB	-2.14	2.01	2.05
29	A	808	CLA	CMC-C2C	-2.14	1.46	1.50
29	A	807	CLA	CMD-C2D	-2.14	1.46	1.50
29	B	806	CLA	CHC-C1C	2.14	1.42	1.38
29	A	837	CLA	MG-NB	-2.14	2.01	2.05
29	4	601	CLA	CHC-C1C	2.14	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	A	816	CLA	CMD-C2D	-2.14	1.46	1.50
29	3	305	CLA	CHC-C1C	2.14	1.42	1.38
29	B	824	CLA	C3B-C4B	2.14	1.49	1.42
29	9	307	CLA	CHC-C1C	2.14	1.42	1.38
29	a	612	CLA	MG-NB	-2.14	2.01	2.05
29	B	804	CLA	CMD-C2D	-2.14	1.46	1.50
29	c	605	CLA	CHC-C1C	2.14	1.42	1.38
29	Z	303	CLA	CMD-C2D	-2.14	1.46	1.50
29	B	817	CLA	C3B-C4B	2.14	1.49	1.42
29	6	602	CLA	MG-NB	-2.14	2.01	2.05
29	8	302	CLA	MG-NB	-2.14	2.01	2.05
29	d	602	CLA	C3B-C4B	2.14	1.49	1.42
34	O	208	LHG	P-O6	2.14	1.67	1.60
29	A	813	CLA	C3B-C4B	2.14	1.49	1.42
30	1	610	KC2	C1C-C2C	-2.14	1.40	1.44
30	b	609	KC2	C4A-C3A	-2.14	1.40	1.44
29	9	307	CLA	CMD-C2D	-2.14	1.46	1.50
29	d	603	CLA	MG-NB	-2.14	2.01	2.05
30	5	610	KC2	C4A-C3A	-2.14	1.40	1.44
29	9	313	CLA	CMD-C2D	-2.13	1.46	1.50
29	A	808	CLA	CMD-C2D	-2.13	1.46	1.50
29	F	202	CLA	CHC-C1C	2.13	1.42	1.38
29	A	816	CLA	MG-NB	-2.13	2.01	2.05
29	B	824	CLA	MG-NB	-2.13	2.01	2.05
29	d	605	CLA	CMD-C2D	-2.13	1.46	1.50
29	4	603	CLA	CHC-C1C	2.13	1.42	1.38
29	6	608	CLA	MG-NB	-2.13	2.01	2.05
29	8	305	CLA	MG-NB	-2.13	2.01	2.05
29	2	601	CLA	CMD-C2D	-2.13	1.46	1.50
29	A	809	CLA	CMD-C2D	-2.13	1.46	1.50
29	O	201	CLA	CMC-C2C	-2.13	1.46	1.50
29	A	806	CLA	CHC-C1C	2.13	1.42	1.38
34	5	621	LHG	O7-C5	-2.13	1.41	1.46
29	X	301	CLA	CMD-C2D	-2.13	1.46	1.50
34	a	617	LHG	P-O6	2.13	1.67	1.59
29	2	602	CLA	MG-NB	-2.13	2.01	2.05
29	8	301	CLA	MG-NB	-2.13	2.01	2.05
29	A	807	CLA	MG-NB	-2.13	2.01	2.05
29	B	839	CLA	MG-NB	-2.13	2.01	2.05
29	6	606	CLA	CMD-C2D	-2.13	1.46	1.50
29	A	854	CLA	CHC-C1C	2.13	1.42	1.38
29	d	601	CLA	CMB-C2B	-2.13	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
34	2	617	LHG	P-O6	2.13	1.67	1.59
29	3	312	CLA	CMC-C2C	-2.13	1.46	1.50
29	9	310	CLA	MG-NB	-2.13	2.01	2.05
29	B	820	CLA	CMB-C2B	-2.13	1.46	1.50
29	B	830	CLA	CMB-C2B	-2.13	1.46	1.50
29	d	605	CLA	MG-NB	-2.13	2.01	2.05
29	1	606	CLA	CMD-C2D	-2.13	1.46	1.50
29	B	824	CLA	CMD-C2D	-2.13	1.46	1.50
29	e	604	CLA	CHC-C1C	2.13	1.42	1.38
29	A	803	CLA	CHC-C1C	2.13	1.42	1.38
29	d	612	CLA	CHC-C1C	2.13	1.42	1.38
29	B	812	CLA	C3B-C4B	2.13	1.48	1.42
29	B	811	CLA	MG-NB	-2.13	2.01	2.05
29	e	608	CLA	MG-NB	-2.13	2.01	2.05
29	3	302	CLA	CMB-C2B	-2.13	1.46	1.50
29	8	317	CLA	CHC-C1C	2.13	1.42	1.38
35	3	319	LMG	O7-C8	-2.13	1.41	1.46
29	B	814	CLA	CHC-C1C	2.13	1.42	1.38
29	A	831	CLA	CMD-C2D	-2.13	1.46	1.50
29	c	607	CLA	CMD-C2D	-2.13	1.46	1.50
29	A	811	CLA	CMB-C2B	-2.13	1.46	1.50
29	A	830	CLA	CMD-C2D	-2.13	1.46	1.50
29	9	314	CLA	MG-NB	-2.13	2.01	2.05
29	7	307	CLA	CMD-C2D	-2.12	1.46	1.50
29	8	305	CLA	CMD-C2D	-2.12	1.46	1.50
29	A	804	CLA	CMD-C2D	-2.12	1.46	1.50
29	A	818	CLA	CMB-C2B	-2.12	1.46	1.50
29	9	303	CLA	MG-NB	-2.12	2.01	2.05
29	3	305	CLA	MG-NB	-2.12	2.01	2.05
29	B	812	CLA	CHC-C1C	2.12	1.42	1.38
29	B	813	CLA	CMB-C2B	-2.12	1.46	1.50
29	a	602	CLA	CMD-C2D	-2.12	1.46	1.50
29	a	607	CLA	CMD-C2D	-2.12	1.46	1.50
29	A	819	CLA	CHC-C1C	2.12	1.42	1.38
29	b	601	CLA	MG-NB	-2.12	2.01	2.05
29	A	814	CLA	CHC-C1C	2.12	1.42	1.38
29	c	613	CLA	CHC-C1C	2.12	1.42	1.38
29	A	823	CLA	CMD-C2D	-2.12	1.46	1.50
29	8	317	CLA	MG-NB	-2.12	2.01	2.05
29	1	605	CLA	CMD-C2D	-2.12	1.46	1.50
29	B	815	CLA	C3B-C4B	2.12	1.48	1.42
29	K	102	CLA	CMB-C2B	-2.12	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
34	8	315	LHG	O7-C5	-2.12	1.41	1.46
29	A	837	CLA	CHC-C1C	2.12	1.42	1.38
29	B	830	CLA	MG-NB	-2.12	2.01	2.05
37	B	845	8CT	C33-C32	-2.12	1.44	1.50
29	A	818	CLA	C3B-C4B	2.12	1.48	1.42
29	A	832	CLA	CHC-C1C	2.12	1.42	1.38
29	1	605	CLA	MG-NB	-2.12	2.01	2.05
29	B	815	CLA	CHC-C1C	2.12	1.42	1.38
29	9	314	CLA	CMB-C2B	-2.12	1.46	1.50
29	A	814	CLA	CMD-C2D	-2.12	1.46	1.50
29	a	604	CLA	CMD-C2D	-2.12	1.46	1.50
29	L	202	CLA	MG-NB	-2.12	2.01	2.05
29	3	303	CLA	CHC-C1C	2.12	1.42	1.38
29	L	201	CLA	MG-NB	-2.12	2.01	2.05
29	B	832	CLA	C3B-C4B	2.12	1.48	1.42
33	d	617	IHT	C28-C26	-2.12	1.49	1.50
29	1	605	CLA	CMB-C2B	-2.12	1.46	1.50
29	3	304	CLA	MG-NB	-2.12	2.01	2.05
29	4	602	CLA	MG-NB	-2.12	2.01	2.05
29	A	813	CLA	MG-NB	-2.12	2.01	2.05
29	c	608	CLA	MG-NB	-2.12	2.01	2.05
29	K	101	CLA	CHC-C1C	2.11	1.42	1.38
29	4	602	CLA	CMD-C2D	-2.11	1.46	1.50
29	B	822	CLA	CHC-C1C	2.11	1.42	1.38
29	B	823	CLA	MG-NB	-2.11	2.01	2.05
29	B	837	CLA	CHC-C1C	2.11	1.42	1.38
29	B	828	CLA	MG-NB	-2.11	2.01	2.05
29	B	816	CLA	CMD-C2D	-2.11	1.46	1.50
29	a	612	CLA	CMD-C2D	-2.11	1.46	1.50
29	R	202	CLA	CHC-C1C	2.11	1.42	1.38
29	4	610	CLA	MG-NB	-2.11	2.01	2.05
29	e	604	CLA	MG-NB	-2.11	2.01	2.05
29	B	836	CLA	CMD-C2D	-2.11	1.46	1.50
29	Z	304	CLA	CMB-C2B	-2.11	1.46	1.50
29	Z	304	CLA	CMD-C2D	-2.11	1.46	1.50
37	4	616	8CT	C20-C21	2.11	1.40	1.35
34	4	620	LHG	O7-C5	-2.11	1.41	1.46
29	d	603	CLA	CMD-C2D	-2.11	1.46	1.50
29	7	302	CLA	MG-NB	-2.11	2.01	2.05
29	1	612	CLA	CMB-C2B	-2.11	1.46	1.50
29	A	802	CLA	MG-NB	-2.11	2.01	2.05
29	A	831	CLA	MG-NB	-2.11	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	e	602	CLA	MG-NB	-2.11	2.01	2.05
29	3	309	CLA	CMB-C2B	-2.11	1.46	1.50
32	b	613	II3	C05-C03	-2.11	1.52	1.54
29	b	606	CLA	CHC-C1C	2.11	1.42	1.38
29	6	603	CLA	CMD-C2D	-2.11	1.46	1.50
29	B	818	CLA	CMD-C2D	-2.11	1.46	1.50
29	3	305	CLA	CMD-C2D	-2.11	1.46	1.50
29	d	606	CLA	CMD-C2D	-2.11	1.46	1.50
29	c	609	CLA	MG-NB	-2.11	2.01	2.05
29	3	311	CLA	CMD-C2D	-2.11	1.46	1.50
29	A	818	CLA	CMD-C2D	-2.11	1.46	1.50
29	e	611	CLA	CMD-C2D	-2.11	1.46	1.50
29	a	602	CLA	MG-NB	-2.11	2.01	2.05
29	9	309	CLA	MG-NB	-2.11	2.01	2.05
29	A	855	CLA	CMD-C2D	-2.11	1.46	1.50
29	B	834	CLA	CHC-C1C	2.11	1.42	1.38
29	6	603	CLA	CMB-C2B	-2.11	1.46	1.50
29	K	102	CLA	CMC-C2C	-2.11	1.46	1.50
34	O	208	LHG	O7-C5	-2.11	1.41	1.46
29	c	603	CLA	CMD-C2D	-2.11	1.46	1.50
29	c	606	CLA	CMC-C2C	-2.11	1.46	1.50
29	d	601	CLA	CMD-C2D	-2.11	1.46	1.50
29	4	609	CLA	CHC-C1C	2.10	1.42	1.38
37	R	203	8CT	C33-C32	-2.10	1.44	1.50
29	A	841	CLA	CMB-C2B	-2.10	1.46	1.50
29	9	303	CLA	CMD-C2D	-2.10	1.46	1.50
29	B	813	CLA	CMD-C2D	-2.10	1.46	1.50
29	2	603	CLA	CMD-C2D	-2.10	1.46	1.50
29	4	611	CLA	CMD-C2D	-2.10	1.46	1.50
29	B	812	CLA	CMD-C2D	-2.10	1.46	1.50
29	3	311	CLA	MG-NB	-2.10	2.01	2.05
29	a	609	CLA	MG-NB	-2.10	2.01	2.05
29	1	606	CLA	CHC-C1C	2.10	1.42	1.38
29	2	606	CLA	CMB-C2B	-2.10	1.46	1.50
29	B	808	CLA	CMC-C2C	-2.10	1.46	1.50
29	d	608	CLA	MG-NB	-2.10	2.01	2.05
29	2	607	CLA	CMD-C2D	-2.10	1.46	1.50
29	A	826	CLA	CMD-C2D	-2.10	1.46	1.50
29	d	607	CLA	CMB-C2B	-2.10	1.46	1.50
29	3	303	CLA	CMB-C2B	-2.10	1.46	1.50
29	c	606	CLA	CMB-C2B	-2.10	1.46	1.50
30	9	311	KC2	C4A-C3A	-2.10	1.40	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	A	811	CLA	CMC-C2C	-2.10	1.46	1.50
29	B	830	CLA	CMD-C2D	-2.10	1.46	1.50
29	A	809	CLA	CHC-C1C	2.10	1.42	1.38
29	B	838	CLA	MG-NB	-2.10	2.01	2.05
30	a	610	KC2	C4A-C3A	-2.10	1.40	1.44
29	A	807	CLA	C3B-C4B	2.10	1.48	1.42
29	2	608	CLA	MG-NB	-2.10	2.01	2.05
29	6	601	CLA	MG-NB	-2.10	2.01	2.05
29	b	608	CLA	MG-NB	-2.10	2.01	2.05
29	8	303	CLA	CMB-C2B	-2.10	1.46	1.50
29	2	608	CLA	CMC-C2C	-2.10	1.46	1.50
29	O	204	CLA	MG-NB	-2.10	2.01	2.05
29	2	606	CLA	CHC-C1C	2.10	1.42	1.38
29	A	813	CLA	CHC-C1C	2.10	1.42	1.38
29	4	607	CLA	CMD-C2D	-2.09	1.46	1.50
29	A	815	CLA	CMD-C2D	-2.09	1.46	1.50
29	e	602	CLA	CMD-C2D	-2.09	1.46	1.50
29	4	601	CLA	CMD-C2D	-2.09	1.46	1.50
29	a	611	CLA	CMD-C2D	-2.09	1.46	1.50
29	B	832	CLA	MG-NB	-2.09	2.01	2.05
34	L	207	LHG	P-O6	2.09	1.67	1.59
29	9	313	CLA	CMB-C2B	-2.09	1.46	1.50
29	A	825	CLA	CMD-C2D	-2.09	1.46	1.50
29	K	102	CLA	CMD-C2D	-2.09	1.46	1.50
29	3	309	CLA	CMD-C2D	-2.09	1.46	1.50
29	d	607	CLA	CMD-C2D	-2.09	1.46	1.50
29	Z	305	CLA	MG-NB	-2.09	2.01	2.05
29	3	303	CLA	CMD-C2D	-2.09	1.46	1.50
29	A	841	CLA	CMC-C2C	-2.09	1.46	1.50
29	9	308	CLA	CHC-C1C	2.09	1.42	1.38
29	6	604	CLA	MG-NB	-2.09	2.01	2.05
34	7	320	LHG	O7-C5	-2.09	1.41	1.46
29	1	607	CLA	CMB-C2B	-2.09	1.46	1.50
29	A	803	CLA	CMD-C2D	-2.09	1.46	1.50
29	F	201	CLA	CMB-C2B	-2.09	1.46	1.50
29	1	613	CLA	MG-NB	-2.09	2.01	2.05
29	Z	304	CLA	MG-NB	-2.09	2.01	2.05
29	A	815	CLA	C3B-C4B	2.09	1.48	1.42
29	B	832	CLA	CHC-C1C	2.09	1.42	1.38
29	3	302	CLA	MG-NB	-2.09	2.01	2.05
29	5	606	CLA	MG-NB	-2.09	2.01	2.05
34	5	621	LHG	P-O6	2.09	1.67	1.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	A	831	CLA	CHC-C1C	2.09	1.42	1.38
29	7	309	CLA	MG-NB	-2.09	2.01	2.05
37	7	318	8CT	C17-C16	2.09	1.40	1.35
29	F	201	CLA	C3B-C4B	2.09	1.48	1.42
29	1	601	CLA	CMD-C2D	-2.09	1.46	1.50
29	O	203	CLA	CMD-C2D	-2.09	1.46	1.50
29	2	611	CLA	MG-NB	-2.09	2.01	2.05
29	B	806	CLA	MG-NB	-2.09	2.01	2.05
29	B	802	CLA	CMD-C2D	-2.09	1.46	1.50
29	b	601	CLA	CMB-C2B	-2.09	1.46	1.50
29	5	613	CLA	MG-NB	-2.09	2.01	2.05
29	8	306	CLA	MG-NB	-2.09	2.01	2.05
29	d	612	CLA	MG-NB	-2.09	2.01	2.05
29	9	306	CLA	CMB-C2B	-2.09	1.46	1.50
29	A	817	CLA	CMD-C2D	-2.09	1.46	1.50
29	B	821	CLA	CMD-C2D	-2.09	1.46	1.50
29	4	610	CLA	CHC-C1C	2.09	1.42	1.38
29	7	308	CLA	CHC-C1C	2.09	1.42	1.38
29	B	820	CLA	MG-NB	-2.09	2.01	2.05
29	c	607	CLA	MG-NB	-2.09	2.01	2.05
29	B	807	CLA	CMD-C2D	-2.09	1.46	1.50
29	b	604	CLA	CMD-C2D	-2.09	1.46	1.50
29	a	605	CLA	MG-NB	-2.09	2.01	2.05
29	A	832	CLA	CMD-C2D	-2.09	1.46	1.50
29	A	837	CLA	CMD-C2D	-2.09	1.46	1.50
29	L	201	CLA	CMB-C2B	-2.09	1.46	1.50
29	A	828	CLA	CMC-C2C	-2.09	1.46	1.50
29	B	824	CLA	CMB-C2B	-2.09	1.46	1.50
29	B	831	CLA	CMD-C2D	-2.09	1.46	1.50
30	c	610	KC2	C1C-C2C	-2.09	1.40	1.44
29	6	606	CLA	CMB-C2B	-2.09	1.46	1.50
29	A	810	CLA	CMB-C2B	-2.09	1.46	1.50
29	A	834	CLA	CMD-C2D	-2.09	1.46	1.50
29	b	606	CLA	CMD-C2D	-2.09	1.46	1.50
29	e	606	CLA	CHC-C1C	2.09	1.42	1.38
29	3	310	CLA	CMD-C2D	-2.09	1.46	1.50
29	b	606	CLA	CMC-C2C	-2.09	1.46	1.50
29	A	804	CLA	CHC-C1C	2.09	1.42	1.38
29	2	605	CLA	MG-NB	-2.09	2.01	2.05
29	e	611	CLA	MG-NB	-2.09	2.01	2.05
29	A	841	CLA	CMD-C2D	-2.09	1.46	1.50
29	2	601	CLA	MG-NB	-2.09	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	a	601	CLA	MG-NB	-2.09	2.01	2.05
29	4	607	CLA	CMB-C2B	-2.09	1.46	1.50
29	8	302	CLA	CMD-C2D	-2.09	1.46	1.50
29	B	809	CLA	CHC-C1C	2.08	1.42	1.38
29	4	609	CLA	CMD-C2D	-2.08	1.46	1.50
29	A	809	CLA	CMB-C2B	-2.08	1.46	1.50
29	A	824	CLA	MG-NB	-2.08	2.01	2.05
29	2	611	CLA	CMD-C2D	-2.08	1.46	1.50
29	A	843	CLA	CMD-C2D	-2.08	1.46	1.50
29	e	607	CLA	CMD-C2D	-2.08	1.46	1.50
29	5	603	CLA	MG-NB	-2.08	2.01	2.05
29	9	315	CLA	MG-NB	-2.08	2.01	2.05
29	2	606	CLA	CMD-C2D	-2.08	1.46	1.50
29	c	602	CLA	CMD-C2D	-2.08	1.46	1.50
30	6	613	KC2	C1C-C2C	-2.08	1.40	1.44
29	3	309	CLA	CMC-C2C	-2.08	1.46	1.50
29	4	606	CLA	CMD-C2D	-2.08	1.46	1.50
29	5	601	CLA	CMD-C2D	-2.08	1.46	1.50
29	A	832	CLA	CMB-C2B	-2.08	1.46	1.50
29	B	820	CLA	CMD-C2D	-2.08	1.46	1.50
29	F	202	CLA	CMD-C2D	-2.08	1.46	1.50
29	e	608	CLA	CMD-C2D	-2.08	1.46	1.50
36	B	850	SQD	O5-C5	2.08	1.49	1.44
29	7	306	CLA	MG-NB	-2.08	2.01	2.05
29	8	301	CLA	CMD-C2D	-2.08	1.46	1.50
29	A	830	CLA	CMB-C2B	-2.08	1.46	1.50
29	B	828	CLA	CMD-C2D	-2.08	1.46	1.50
29	c	612	CLA	MG-NB	-2.08	2.01	2.05
29	2	608	CLA	CMD-C2D	-2.08	1.46	1.50
29	6	606	CLA	MG-NB	-2.08	2.01	2.05
29	A	821	CLA	MG-NB	-2.08	2.01	2.05
29	9	304	CLA	CMD-C2D	-2.08	1.46	1.50
29	L	202	CLA	CMD-C2D	-2.08	1.46	1.50
29	b	610	CLA	CMD-C2D	-2.08	1.46	1.50
29	1	607	CLA	MG-NB	-2.08	2.01	2.05
29	b	604	CLA	MG-NB	-2.08	2.01	2.05
29	9	304	CLA	CMB-C2B	-2.08	1.46	1.50
29	K	102	CLA	MG-NB	-2.08	2.01	2.05
29	B	832	CLA	CMB-C2B	-2.08	1.46	1.50
29	A	828	CLA	CMD-C2D	-2.08	1.46	1.50
29	c	605	CLA	CMD-C2D	-2.08	1.46	1.50
29	B	807	CLA	MG-NB	-2.08	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	B	804	CLA	CMC-C2C	-2.08	1.46	1.50
30	9	311	KC2	C1C-C2C	-2.08	1.40	1.44
29	A	838	CLA	CMD-C2D	-2.08	1.46	1.50
29	B	824	CLA	CMC-C2C	-2.08	1.46	1.50
29	K	102	CLA	CHC-C1C	2.08	1.42	1.38
29	4	608	CLA	CMB-C2B	-2.08	1.46	1.50
29	B	803	CLA	CMB-C2B	-2.08	1.46	1.50
29	O	203	CLA	CMB-C2B	-2.08	1.46	1.50
29	d	604	CLA	CMD-C2D	-2.08	1.46	1.50
29	B	823	CLA	CMB-C2B	-2.08	1.46	1.50
29	X	301	CLA	MG-NB	-2.08	2.01	2.05
29	A	842	CLA	C3B-C4B	2.08	1.48	1.42
29	A	842	CLA	CHC-C1C	2.08	1.42	1.38
29	2	609	CLA	MG-NB	-2.08	2.01	2.05
29	L	203	CLA	MG-NB	-2.08	2.01	2.05
29	F	201	CLA	CHC-C1C	2.08	1.42	1.38
29	A	815	CLA	CMB-C2B	-2.08	1.46	1.50
29	A	855	CLA	CMB-C2B	-2.08	1.46	1.50
29	a	609	CLA	CMB-C2B	-2.08	1.46	1.50
29	9	306	CLA	MG-NB	-2.07	2.01	2.05
29	F	202	CLA	MG-NB	-2.07	2.01	2.05
29	7	312	CLA	CMD-C2D	-2.07	1.46	1.50
29	8	306	CLA	CMD-C2D	-2.07	1.46	1.50
29	A	812	CLA	CMB-C2B	-2.07	1.46	1.50
37	A	845	8CT	C33-C32	-2.07	1.44	1.50
29	4	609	CLA	MG-NB	-2.07	2.01	2.05
29	9	312	CLA	MG-NB	-2.07	2.01	2.05
29	c	601	CLA	MG-NB	-2.07	2.01	2.05
29	7	305	CLA	CMB-C2B	-2.07	1.46	1.50
29	A	831	CLA	CMB-C2B	-2.07	1.46	1.50
29	B	826	CLA	CMD-C2D	-2.07	1.46	1.50
29	3	313	CLA	CHC-C1C	2.07	1.42	1.38
29	B	809	CLA	CMD-C2D	-2.07	1.46	1.50
29	2	607	CLA	CMB-C2B	-2.07	1.46	1.50
29	a	606	CLA	CMC-C2C	-2.07	1.46	1.50
29	A	805	CLA	MG-NB	-2.07	2.01	2.05
29	A	828	CLA	CHC-C1C	2.07	1.42	1.38
29	5	606	CLA	CMB-C2B	-2.07	1.46	1.50
29	B	806	CLA	CMD-C2D	-2.07	1.46	1.50
29	Z	302	CLA	CMD-C2D	-2.07	1.46	1.50
29	6	605	CLA	MG-NB	-2.07	2.01	2.05
29	5	608	CLA	CMB-C2B	-2.07	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	B	813	CLA	CMC-C2C	-2.07	1.46	1.50
29	b	603	CLA	CMD-C2D	-2.07	1.46	1.50
29	2	612	CLA	CMB-C2B	-2.07	1.46	1.50
29	A	822	CLA	CMB-C2B	-2.07	1.46	1.50
29	X	301	CLA	CMB-C2B	-2.07	1.46	1.50
29	b	611	CLA	CMD-C2D	-2.07	1.46	1.50
29	3	313	CLA	MG-NB	-2.07	2.01	2.05
29	6	605	CLA	CMD-C2D	-2.07	1.46	1.50
29	B	839	CLA	CMD-C2D	-2.07	1.46	1.50
29	b	601	CLA	CMD-C2D	-2.07	1.46	1.50
29	c	606	CLA	CMD-C2D	-2.07	1.46	1.50
29	B	833	CLA	MG-NB	-2.07	2.01	2.05
29	2	609	CLA	CMB-C2B	-2.07	1.46	1.50
29	B	828	CLA	CMB-C2B	-2.07	1.46	1.50
29	B	822	CLA	C3B-C4B	2.07	1.48	1.42
29	9	306	CLA	CMD-C2D	-2.07	1.46	1.50
29	A	821	CLA	CMB-C2B	-2.07	1.46	1.50
29	A	833	CLA	CMD-C2D	-2.07	1.46	1.50
29	e	604	CLA	CMD-C2D	-2.07	1.46	1.50
29	9	313	CLA	MG-NB	-2.07	2.01	2.05
29	b	611	CLA	MG-NB	-2.07	2.01	2.05
29	B	807	CLA	CMB-C2B	-2.07	1.46	1.50
29	B	815	CLA	CMD-C2D	-2.07	1.46	1.50
29	c	604	CLA	CMD-C2D	-2.07	1.46	1.50
29	1	612	CLA	MG-NB	-2.07	2.01	2.05
29	5	609	CLA	CMD-C2D	-2.07	1.46	1.50
29	A	802	CLA	CMD-C2D	-2.07	1.46	1.50
29	e	608	CLA	CMB-C2B	-2.07	1.46	1.50
29	2	601	CLA	CMB-C2B	-2.07	1.46	1.50
29	c	605	CLA	CMB-C2B	-2.07	1.46	1.50
29	A	810	CLA	CMD-C2D	-2.07	1.46	1.50
29	1	603	CLA	MG-NB	-2.07	2.01	2.05
29	5	611	CLA	MG-NB	-2.07	2.01	2.05
34	7	320	LHG	P-O6	2.07	1.67	1.59
29	1	603	CLA	CMD-C2D	-2.07	1.46	1.50
29	8	303	CLA	CMD-C2D	-2.07	1.46	1.50
29	9	305	CLA	CMD-C2D	-2.07	1.46	1.50
29	9	312	CLA	CMD-C2D	-2.07	1.46	1.50
29	A	822	CLA	CMD-C2D	-2.07	1.46	1.50
29	7	308	CLA	CMD-C2D	-2.07	1.46	1.50
29	9	309	CLA	CMD-C2D	-2.07	1.46	1.50
29	A	842	CLA	CMD-C2D	-2.07	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	9	304	CLA	MG-NB	-2.07	2.01	2.05
34	b	616	LHG	P-O6	2.06	1.67	1.59
34	9	321	LHG	P-O6	2.06	1.66	1.60
29	6	609	CLA	MG-NB	-2.06	2.01	2.05
30	6	613	KC2	C4A-C3A	-2.06	1.40	1.44
29	A	825	CLA	CHC-C1C	2.06	1.42	1.38
34	8	315	LHG	P-O6	2.06	1.67	1.59
29	2	604	CLA	CMD-C2D	-2.06	1.46	1.50
29	B	812	CLA	CMB-C2B	-2.06	1.46	1.50
29	Z	305	CLA	CMB-C2B	-2.06	1.46	1.50
29	J	103	CLA	CMB-C2B	-2.06	1.46	1.50
30	b	609	KC2	C1C-C2C	-2.06	1.40	1.44
29	8	308	CLA	CMB-C2B	-2.06	1.46	1.50
29	7	307	CLA	MG-NB	-2.06	2.01	2.05
29	2	609	CLA	CMD-C2D	-2.06	1.46	1.50
29	B	807	CLA	CHC-C1C	2.06	1.42	1.38
29	1	604	CLA	CMD-C2D	-2.06	1.46	1.50
29	O	204	CLA	CMD-C2D	-2.06	1.46	1.50
29	c	615	CLA	CMB-C2B	-2.06	1.46	1.50
29	e	601	CLA	CMD-C2D	-2.06	1.46	1.50
29	8	305	CLA	CMB-C2B	-2.06	1.46	1.50
29	A	853	CLA	MG-NB	-2.06	2.01	2.05
29	1	609	CLA	CMB-C2B	-2.06	1.46	1.50
29	A	819	CLA	MG-NB	-2.06	2.01	2.05
29	1	613	CLA	CMD-C2D	-2.06	1.46	1.50
29	A	806	CLA	CMB-C2B	-2.06	1.46	1.50
29	A	823	CLA	CMC-C2C	-2.06	1.46	1.50
31	e	614	II0	C28-C26	-2.06	1.49	1.50
29	B	810	CLA	CMB-C2B	-2.06	1.46	1.50
29	B	810	CLA	MG-NB	-2.06	2.01	2.05
29	6	601	CLA	CMD-C2D	-2.06	1.46	1.50
29	6	612	CLA	CMD-C2D	-2.06	1.46	1.50
29	7	302	CLA	CMD-C2D	-2.06	1.46	1.50
29	7	306	CLA	CMB-C2B	-2.06	1.46	1.50
29	A	820	CLA	CMD-C2D	-2.06	1.46	1.50
29	B	815	CLA	CMB-C2B	-2.06	1.46	1.50
29	1	607	CLA	CMD-C2D	-2.06	1.46	1.50
29	7	304	CLA	CMD-C2D	-2.06	1.46	1.50
37	Z	307	8CT	C33-C32	-2.06	1.44	1.50
29	A	841	CLA	MG-NB	-2.06	2.01	2.05
29	B	826	CLA	MG-NB	-2.06	2.01	2.05
29	d	608	CLA	CMD-C2D	-2.06	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	5	608	CLA	MG-NB	-2.06	2.01	2.05
29	A	828	CLA	MG-NB	-2.06	2.01	2.05
29	2	611	CLA	CMB-C2B	-2.06	1.46	1.50
29	A	806	CLA	CMD-C2D	-2.06	1.46	1.50
29	A	825	CLA	CMB-C2B	-2.06	1.46	1.50
29	7	312	CLA	CMB-C2B	-2.06	1.46	1.50
29	d	606	CLA	CMB-C2B	-2.06	1.46	1.50
31	5	615	II0	C14-C10	-2.06	1.32	1.35
29	2	608	CLA	CMB-C2B	-2.06	1.46	1.50
29	4	608	CLA	CMD-C2D	-2.06	1.46	1.50
31	a	614	II0	C28-C26	-2.06	1.49	1.50
29	a	608	CLA	MG-NB	-2.06	2.01	2.05
29	6	608	CLA	CMD-C2D	-2.06	1.46	1.50
29	d	611	CLA	CMB-C2B	-2.06	1.46	1.50
29	2	606	CLA	MG-NB	-2.06	2.01	2.05
29	A	825	CLA	MG-NB	-2.06	2.01	2.05
29	A	835	CLA	CHC-C1C	2.06	1.42	1.38
29	5	608	CLA	CMD-C2D	-2.05	1.46	1.50
29	A	824	CLA	CMD-C2D	-2.05	1.46	1.50
29	c	613	CLA	MG-NB	-2.05	2.01	2.05
29	2	612	CLA	CMD-C2D	-2.05	1.46	1.50
29	5	605	CLA	CMD-C2D	-2.05	1.46	1.50
29	d	609	CLA	CMB-C2B	-2.05	1.46	1.50
29	d	601	CLA	MG-NB	-2.05	2.01	2.05
29	1	602	CLA	CMD-C2D	-2.05	1.46	1.50
29	A	854	CLA	CMD-C2D	-2.05	1.46	1.50
29	9	314	CLA	CMD-C2D	-2.05	1.46	1.50
29	A	834	CLA	CMB-C2B	-2.05	1.46	1.50
29	B	835	CLA	CMC-C2C	-2.05	1.46	1.50
29	B	841	CLA	CMD-C2D	-2.05	1.46	1.50
29	e	606	CLA	CMB-C2B	-2.05	1.46	1.50
29	A	820	CLA	MG-NB	-2.05	2.01	2.05
29	2	605	CLA	CMD-C2D	-2.05	1.46	1.50
29	1	609	CLA	MG-NB	-2.05	2.01	2.05
29	3	308	CLA	CHC-C1C	2.05	1.42	1.38
29	3	313	CLA	CMD-C2D	-2.05	1.46	1.50
29	7	304	CLA	CMC-C2C	-2.05	1.46	1.50
29	1	611	CLA	MG-NB	-2.05	2.01	2.05
29	5	606	CLA	CMD-C2D	-2.05	1.46	1.50
29	9	302	CLA	CMB-C2B	-2.05	1.46	1.50
29	B	825	CLA	CMC-C2C	-2.05	1.46	1.50
29	A	830	CLA	CMC-C2C	-2.05	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	B	817	CLA	CMD-C2D	-2.05	1.46	1.50
29	Z	302	CLA	MG-NB	-2.05	2.01	2.05
29	B	824	CLA	CHC-C1C	2.05	1.42	1.38
29	3	312	CLA	CMB-C2B	-2.05	1.46	1.50
35	F	204	LMG	O7-C8	-2.05	1.41	1.46
29	B	805	CLA	CMD-C2D	-2.05	1.46	1.50
29	a	609	CLA	CMD-C2D	-2.05	1.46	1.50
29	d	604	CLA	CMB-C2B	-2.05	1.46	1.50
29	A	807	CLA	CMB-C2B	-2.05	1.46	1.50
29	a	601	CLA	CMD-C2D	-2.05	1.46	1.50
29	e	601	CLA	CMB-C2B	-2.05	1.46	1.50
29	5	611	CLA	CMD-C2D	-2.05	1.46	1.50
29	B	827	CLA	MG-NB	-2.05	2.01	2.05
29	3	313	CLA	CMB-C2B	-2.05	1.46	1.50
29	9	315	CLA	CMB-C2B	-2.05	1.46	1.50
37	7	318	8CT	C20-C21	2.05	1.40	1.35
29	9	310	CLA	CMB-C2B	-2.05	1.46	1.50
29	B	822	CLA	CMB-C2B	-2.05	1.46	1.50
29	1	601	CLA	CMB-C2B	-2.05	1.46	1.50
29	L	201	CLA	CMD-C2D	-2.05	1.46	1.50
35	Z	310	LMG	C7-C8	2.05	1.57	1.50
29	d	605	CLA	CMB-C2B	-2.05	1.46	1.50
29	7	312	CLA	MG-NB	-2.05	2.01	2.05
29	A	813	CLA	CMD-C2D	-2.05	1.46	1.50
29	A	842	CLA	CMC-C2C	-2.05	1.46	1.50
29	A	854	CLA	CMB-C2B	-2.05	1.46	1.50
29	3	302	CLA	CMD-C2D	-2.04	1.46	1.50
29	3	306	CLA	CMB-C2B	-2.04	1.46	1.50
29	b	608	CLA	CMB-C2B	-2.04	1.46	1.50
29	c	612	CLA	CMD-C2D	-2.04	1.46	1.50
29	5	604	CLA	MG-NB	-2.04	2.01	2.05
29	6	606	CLA	CHC-C1C	2.04	1.42	1.38
29	A	808	CLA	MG-NB	-2.04	2.01	2.05
29	1	606	CLA	CMB-C2B	-2.04	1.46	1.50
29	d	609	CLA	MG-NB	-2.04	2.01	2.05
30	4	605	KC2	C4A-C3A	-2.04	1.40	1.44
29	6	604	CLA	CMD-C2D	-2.04	1.46	1.50
29	Z	302	CLA	CMB-C2B	-2.04	1.46	1.50
29	c	608	CLA	CMD-C2D	-2.04	1.46	1.50
29	c	612	CLA	CMB-C2B	-2.04	1.46	1.50
29	6	608	CLA	CMB-C2B	-2.04	1.46	1.50
29	b	611	CLA	CMB-C2B	-2.04	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	7	305	CLA	CMD-C2D	-2.04	1.46	1.50
29	A	815	CLA	CMC-C2C	-2.04	1.46	1.50
29	B	826	CLA	CMB-C2B	-2.04	1.46	1.50
29	7	305	CLA	MG-NB	-2.04	2.01	2.05
29	6	601	CLA	CMB-C2B	-2.04	1.46	1.50
29	O	203	CLA	CMC-C2C	-2.04	1.46	1.50
29	a	601	CLA	CMB-C2B	-2.04	1.46	1.50
29	b	607	CLA	CMB-C2B	-2.04	1.46	1.50
29	d	611	CLA	CMD-C2D	-2.04	1.46	1.50
30	c	611	KC2	C4A-C3A	-2.04	1.40	1.44
29	7	306	CLA	CMD-C2D	-2.04	1.46	1.50
29	A	811	CLA	MG-NB	-2.04	2.01	2.05
29	6	607	CLA	CMB-C2B	-2.04	1.46	1.50
29	A	835	CLA	CMB-C2B	-2.04	1.46	1.50
29	d	602	CLA	CMB-C2B	-2.04	1.46	1.50
29	5	603	CLA	CMD-C2D	-2.04	1.46	1.50
29	A	816	CLA	CMB-C2B	-2.04	1.46	1.50
29	A	820	CLA	CMB-C2B	-2.04	1.46	1.50
29	5	609	CLA	MG-NB	-2.04	2.01	2.05
29	a	611	CLA	CMB-C2B	-2.04	1.46	1.50
29	A	811	CLA	CMD-C2D	-2.04	1.46	1.50
34	3	321	LHG	O7-C5	-2.04	1.41	1.46
29	A	805	CLA	CMB-C2B	-2.04	1.46	1.50
29	2	607	CLA	MG-NB	-2.04	2.01	2.05
29	5	601	CLA	MG-NB	-2.04	2.01	2.05
29	a	604	CLA	CMC-C2C	-2.04	1.46	1.50
29	b	606	CLA	CMB-C2B	-2.04	1.46	1.50
29	d	606	CLA	MG-NB	-2.04	2.01	2.05
29	5	605	CLA	CMB-C2B	-2.04	1.46	1.50
29	d	612	CLA	CMD-C2D	-2.04	1.46	1.50
29	5	612	CLA	MG-NB	-2.04	2.01	2.05
34	e	617	LHG	O7-C5	-2.04	1.41	1.46
29	A	853	CLA	CHC-C1C	2.04	1.42	1.38
29	A	824	CLA	CMB-C2B	-2.03	1.46	1.50
31	9	317	II0	C28-C26	-2.03	1.49	1.50
29	1	611	CLA	CMB-C2B	-2.03	1.46	1.50
29	6	609	CLA	CMD-C2D	-2.03	1.46	1.50
29	6	612	CLA	MG-NB	-2.03	2.01	2.05
29	B	814	CLA	MG-NB	-2.03	2.01	2.05
29	5	612	CLA	CMB-C2B	-2.03	1.46	1.50
29	e	611	CLA	CMB-C2B	-2.03	1.46	1.50
29	7	309	CLA	CMB-C2B	-2.03	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	B	815	CLA	MG-NB	-2.03	2.01	2.05
29	4	606	CLA	CMB-C2B	-2.03	1.46	1.50
29	9	310	CLA	CMD-C2D	-2.03	1.46	1.50
29	B	825	CLA	MG-NB	-2.03	2.01	2.05
29	e	601	CLA	MG-NB	-2.03	2.01	2.05
29	5	612	CLA	CMD-C2D	-2.03	1.46	1.50
29	9	302	CLA	CMD-C2D	-2.03	1.46	1.50
29	a	608	CLA	CMD-C2D	-2.03	1.46	1.50
29	c	607	CLA	CMB-C2B	-2.03	1.46	1.50
35	2	618	LMG	O7-C8	-2.03	1.41	1.46
29	B	806	CLA	CMB-C2B	-2.03	1.46	1.50
29	8	307	CLA	CMB-C2B	-2.03	1.46	1.50
29	L	203	CLA	CMB-C2B	-2.03	1.46	1.50
29	1	604	CLA	CMB-C2B	-2.03	1.46	1.50
29	c	613	CLA	CMB-C2B	-2.03	1.46	1.50
29	2	604	CLA	CMC-C2C	-2.03	1.46	1.50
29	7	309	CLA	CMD-C2D	-2.03	1.46	1.50
29	R	202	CLA	CMC-C2C	-2.03	1.46	1.50
29	5	613	CLA	CMB-C2B	-2.03	1.46	1.50
29	7	308	CLA	CMB-C2B	-2.03	1.46	1.50
29	A	836	CLA	CMD-C2D	-2.03	1.46	1.50
29	3	310	CLA	MG-NB	-2.03	2.01	2.05
30	d	610	KC2	C1C-C2C	-2.03	1.40	1.44
29	B	825	CLA	CMB-C2B	-2.03	1.46	1.50
29	a	605	CLA	CMB-C2B	-2.03	1.46	1.50
29	F	202	CLA	CMB-C2B	-2.03	1.46	1.50
29	1	606	CLA	MG-NB	-2.03	2.01	2.05
29	a	606	CLA	MG-NB	-2.03	2.01	2.05
29	B	808	CLA	CHC-C1C	2.03	1.42	1.38
33	5	618	IHT	C02-C07	-2.03	1.51	1.53
29	6	611	CLA	CMC-C2C	-2.03	1.46	1.50
29	3	311	CLA	CMC-C2C	-2.03	1.46	1.50
29	A	823	CLA	CMB-C2B	-2.03	1.46	1.50
29	O	202	CLA	CMD-C2D	-2.02	1.46	1.50
29	B	830	CLA	CHC-C1C	2.02	1.42	1.38
34	M	102	LHG	P-O3	2.02	1.62	1.54
29	1	608	CLA	MG-NB	-2.02	2.01	2.05
29	1	608	CLA	CMD-C2D	-2.02	1.46	1.50
29	1	609	CLA	CMD-C2D	-2.02	1.46	1.50
29	2	605	CLA	CMB-C2B	-2.02	1.46	1.50
29	9	309	CLA	CMC-C2C	-2.02	1.46	1.50
29	A	822	CLA	CMC-C2C	-2.02	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	B	838	CLA	CMB-C2B	-2.02	1.46	1.50
29	b	607	CLA	CMD-C2D	-2.02	1.46	1.50
31	c	616	II0	C28-C26	-2.02	1.49	1.50
34	c	622	LHG	P-O6	2.02	1.67	1.59
37	I	101	8CT	C33-C32	-2.02	1.44	1.50
29	5	602	CLA	CMB-C2B	-2.02	1.46	1.50
29	5	608	CLA	CMC-C2C	-2.02	1.46	1.50
29	5	609	CLA	CMB-C2B	-2.02	1.46	1.50
29	6	608	CLA	CMC-C2C	-2.02	1.46	1.50
29	A	813	CLA	CMB-C2B	-2.02	1.46	1.50
29	c	613	CLA	CMD-C2D	-2.02	1.46	1.50
29	d	608	CLA	CMC-C2C	-2.02	1.46	1.50
29	B	804	CLA	MG-NB	-2.02	2.01	2.05
29	4	609	CLA	CMB-C2B	-2.02	1.46	1.50
29	B	818	CLA	CMC-C2C	-2.02	1.46	1.50
29	a	601	CLA	CMC-C2C	-2.02	1.46	1.50
29	A	835	CLA	CMC-C2C	-2.02	1.46	1.50
29	B	840	CLA	CMC-C2C	-2.02	1.46	1.50
29	4	611	CLA	MG-NB	-2.02	2.01	2.05
29	5	602	CLA	CMC-C2C	-2.02	1.46	1.50
29	O	202	CLA	CMB-C2B	-2.02	1.46	1.50
31	9	323	II0	C28-C26	-2.02	1.49	1.50
29	2	602	CLA	CMC-C2C	-2.02	1.46	1.50
29	9	315	CLA	CMD-C2D	-2.02	1.46	1.50
29	O	201	CLA	CHC-C1C	2.02	1.42	1.38
32	e	613	II3	C05-C03	-2.02	1.52	1.54
29	A	814	CLA	CMB-C2B	-2.02	1.46	1.50
29	d	604	CLA	CMC-C2C	-2.02	1.46	1.50
29	9	304	CLA	CMC-C2C	-2.02	1.46	1.50
29	c	609	CLA	CMD-C2D	-2.02	1.46	1.50
29	d	609	CLA	CMD-C2D	-2.02	1.46	1.50
29	4	603	CLA	CMD-C2D	-2.02	1.46	1.50
29	7	308	CLA	CMC-C2C	-2.02	1.46	1.50
29	R	202	CLA	CMD-C2D	-2.02	1.46	1.50
29	a	602	CLA	CMC-C2C	-2.02	1.46	1.50
30	5	610	KC2	C1D-ND	-2.02	1.35	1.37
29	2	605	CLA	CMC-C2C	-2.01	1.46	1.50
29	a	602	CLA	CMB-C2B	-2.01	1.46	1.50
29	c	601	CLA	CMD-C2D	-2.01	1.46	1.50
29	7	302	CLA	CMB-C2B	-2.01	1.46	1.50
29	B	805	CLA	CMB-C2B	-2.01	1.46	1.50
29	e	602	CLA	CMC-C2C	-2.01	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	5	613	CLA	CMD-C2D	-2.01	1.46	1.50
29	A	822	CLA	MG-NB	-2.01	2.01	2.05
29	B	836	CLA	MG-NB	-2.01	2.01	2.05
29	c	605	CLA	MG-NB	-2.01	2.01	2.05
29	4	604	CLA	CMB-C2B	-2.01	1.46	1.50
29	4	607	CLA	CMC-C2C	-2.01	1.46	1.50
29	A	838	CLA	CMB-C2B	-2.01	1.46	1.50
29	Z	305	CLA	CMC-C2C	-2.01	1.46	1.50
34	Z	311	LHG	P-O6	2.01	1.67	1.59
29	2	612	CLA	MG-NB	-2.01	2.01	2.05
29	B	821	CLA	MG-NB	-2.01	2.01	2.05
29	c	609	CLA	CMB-C2B	-2.01	1.46	1.50
29	e	607	CLA	CMB-C2B	-2.01	1.46	1.50
29	8	304	CLA	CMC-C2C	-2.01	1.46	1.50
29	6	612	CLA	CMB-C2B	-2.01	1.46	1.50
29	7	303	CLA	CMB-C2B	-2.01	1.46	1.50
29	b	604	CLA	CMC-C2C	-2.01	1.46	1.50
29	e	604	CLA	CMC-C2C	-2.01	1.46	1.50
36	7	321	SQD	C8-C7	2.01	1.56	1.50
29	A	818	CLA	CHC-C1C	2.01	1.42	1.38
29	A	804	CLA	CMC-C2C	-2.01	1.46	1.50
30	2	610	KC2	C1C-C2C	-2.01	1.40	1.44
29	B	811	CLA	CMB-C2B	-2.01	1.46	1.50
33	9	320	IHT	C28-C26	-2.01	1.49	1.50
29	c	607	CLA	CMC-C2C	-2.01	1.46	1.50
29	a	604	CLA	MG-NB	-2.01	2.01	2.05
29	B	841	CLA	CMB-C2B	-2.01	1.46	1.50
29	O	204	CLA	CMB-C2B	-2.01	1.46	1.50
29	c	601	CLA	CMB-C2B	-2.01	1.46	1.50
29	e	603	CLA	CMC-C2C	-2.01	1.46	1.50
29	B	806	CLA	CMC-C2C	-2.01	1.46	1.50
29	B	814	CLA	CMB-C2B	-2.01	1.46	1.50
29	c	608	CLA	CMB-C2B	-2.01	1.46	1.50
36	B	850	SQD	C8-C7	2.01	1.56	1.50
29	6	609	CLA	CMB-C2B	-2.00	1.46	1.50
29	8	307	CLA	CMC-C2C	-2.00	1.46	1.50
29	O	204	CLA	CMC-C2C	-2.00	1.46	1.50
29	5	605	CLA	MG-NB	-2.00	2.01	2.05
29	3	303	CLA	CMC-C2C	-2.00	1.46	1.50
29	a	611	CLA	CMC-C2C	-2.00	1.46	1.50
29	b	604	CLA	CMB-C2B	-2.00	1.46	1.50
29	A	838	CLA	CMC-C2C	-2.00	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	e	610	CLA	CMB-C2B	-2.00	1.46	1.50
36	a	618	SQD	C8-C7	2.00	1.56	1.50
29	8	304	CLA	CMB-C2B	-2.00	1.46	1.50
29	6	605	CLA	CMB-C2B	-2.00	1.46	1.50
29	Z	303	CLA	CMB-C2B	-2.00	1.46	1.50
29	A	820	CLA	CMC-C2C	-2.00	1.46	1.50
29	c	602	CLA	CMB-C2B	-2.00	1.46	1.50
29	2	603	CLA	CMB-C2B	-2.00	1.46	1.50
29	a	609	CLA	CMC-C2C	-2.00	1.46	1.50
29	1	608	CLA	CMC-C2C	-2.00	1.46	1.50
29	3	308	CLA	CMC-C2C	-2.00	1.46	1.50
29	7	307	CLA	CMC-C2C	-2.00	1.46	1.50
29	A	802	CLA	CMB-C2B	-2.00	1.46	1.50
29	A	842	CLA	CMB-C2B	-2.00	1.46	1.50

All (3323) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
37	B	843	8CT	C33-C32-C31	-12.10	113.28	124.83
37	L	205	8CT	C33-C32-C31	-12.08	113.30	124.83
37	A	844	8CT	C33-C32-C31	-11.85	113.51	124.83
37	A	846	8CT	C33-C32-C31	-11.71	113.66	124.83
37	M	101	8CT	C33-C32-C31	-11.68	113.68	124.83
37	B	847	8CT	C33-C32-C31	-11.33	114.01	124.83
37	R	203	8CT	C33-C32-C31	-11.05	114.28	124.83
37	J	104	8CT	C33-C32-C31	-10.62	114.69	124.83
37	B	844	8CT	C33-C32-C31	-10.34	114.96	124.83
37	B	846	8CT	C33-C32-C31	-10.28	115.01	124.83
37	K	103	8CT	C33-C32-C31	-10.15	115.14	124.83
37	F	203	8CT	C33-C32-C31	-10.14	115.16	124.83
37	B	851	8CT	C33-C32-C31	-9.82	115.46	124.83
37	Z	308	8CT	C33-C32-C31	-9.70	115.57	124.83
37	B	852	8CT	C33-C32-C31	-9.50	115.77	124.83
37	A	847	8CT	C33-C32-C31	-9.15	116.09	124.83
37	A	845	8CT	C33-C32-C31	-8.20	117.00	124.83
29	3	312	CLA	C4A-NA-C1A	8.00	110.33	106.68
37	M	101	8CT	C10-C11-C12	-7.93	114.50	126.23
37	B	848	8CT	C33-C32-C31	-7.92	117.27	124.83
31	d	616	II0	C41-C39-C35	-7.73	116.43	127.28
37	A	846	8CT	C30-C29-C28	-7.66	112.65	124.58
37	I	101	8CT	C33-C32-C31	-7.61	117.57	124.83
29	A	803	CLA	C4A-NA-C1A	7.51	110.10	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
37	B	852	8CT	C30-C29-C28	-7.50	112.91	124.58
29	B	803	CLA	C4A-NA-C1A	7.49	110.09	106.68
37	I	101	8CT	C35-C30-C29	-7.46	104.24	112.83
29	A	854	CLA	C4A-NA-C1A	7.44	110.08	106.68
29	A	837	CLA	C4A-NA-C1A	7.43	110.07	106.68
33	9	320	IHT	C30-C27-C23	-7.38	116.93	127.28
37	B	848	8CT	C18-C17-C16	-7.28	117.07	127.28
29	B	808	CLA	C4A-NA-C1A	7.27	109.99	106.68
29	A	842	CLA	C4A-NA-C1A	7.26	109.99	106.68
29	2	604	CLA	C4A-NA-C1A	7.26	109.99	106.68
29	B	814	CLA	C4A-NA-C1A	7.26	109.99	106.68
37	Z	308	8CT	C30-C29-C28	-7.23	113.33	124.58
29	7	307	CLA	C4A-NA-C1A	7.22	109.97	106.68
29	3	308	CLA	C4A-NA-C1A	7.20	109.96	106.68
29	3	313	CLA	C4A-NA-C1A	7.20	109.96	106.68
37	B	851	8CT	C24-C25-C26	-7.19	117.20	127.28
29	K	101	CLA	C4A-NA-C1A	7.19	109.96	106.68
29	B	804	CLA	C4A-NA-C1A	7.15	109.94	106.68
29	b	606	CLA	C4A-NA-C1A	7.13	109.93	106.68
37	B	851	8CT	C30-C29-C28	-7.11	113.52	124.58
37	B	845	8CT	C33-C32-C31	-7.10	118.06	124.83
29	1	604	CLA	C4A-NA-C1A	7.03	109.89	106.68
29	A	813	CLA	C4A-NA-C1A	7.02	109.88	106.68
29	b	604	CLA	C4A-NA-C1A	7.01	109.88	106.68
37	Z	307	8CT	C33-C32-C31	-7.01	118.14	124.83
29	A	814	CLA	C4A-NA-C1A	7.00	109.87	106.68
29	2	605	CLA	C4A-NA-C1A	7.00	109.87	106.68
29	B	827	CLA	C4A-NA-C1A	6.98	109.86	106.68
37	B	844	8CT	C01-C02-C03	-6.97	116.88	124.48
37	A	847	8CT	C14-C13-C12	-6.96	117.52	127.28
29	B	837	CLA	C4A-NA-C1A	6.95	109.85	106.68
29	A	853	CLA	C4A-NA-C1A	6.90	109.83	106.68
33	Z	301	IHT	C18-C22-C23	-6.87	116.08	126.23
29	A	806	CLA	C4A-NA-C1A	6.87	109.81	106.68
29	B	839	CLA	C4A-NA-C1A	6.87	109.81	106.68
29	A	838	CLA	C4A-NA-C1A	6.86	109.81	106.68
29	9	305	CLA	C4A-NA-C1A	6.86	109.81	106.68
29	O	202	CLA	C4A-NA-C1A	6.85	109.80	106.68
29	B	805	CLA	C4A-NA-C1A	6.84	109.80	106.68
29	7	308	CLA	C4A-NA-C1A	6.82	109.79	106.68
29	5	607	CLA	C4A-NA-C1A	6.79	109.78	106.68
29	d	612	CLA	C4A-NA-C1A	6.79	109.78	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	3	305	CLA	C4A-NA-C1A	6.78	109.77	106.68
29	B	824	CLA	C4A-NA-C1A	6.78	109.77	106.68
29	c	613	CLA	C4A-NA-C1A	6.78	109.77	106.68
29	B	836	CLA	C4A-NA-C1A	6.77	109.77	106.68
29	1	611	CLA	C4A-NA-C1A	6.76	109.77	106.68
29	e	604	CLA	C4A-NA-C1A	6.76	109.76	106.68
29	L	202	CLA	C4A-NA-C1A	6.75	109.76	106.68
29	A	831	CLA	C4A-NA-C1A	6.74	109.75	106.68
29	B	829	CLA	C4A-NA-C1A	6.74	109.75	106.68
29	8	306	CLA	C4A-NA-C1A	6.74	109.75	106.68
29	A	815	CLA	C4A-NA-C1A	6.74	109.75	106.68
29	A	807	CLA	C4A-NA-C1A	6.74	109.75	106.68
29	4	609	CLA	C4A-NA-C1A	6.72	109.75	106.68
29	c	607	CLA	C4A-NA-C1A	6.72	109.74	106.68
29	5	609	CLA	C4A-NA-C1A	6.71	109.74	106.68
29	b	610	CLA	C4A-NA-C1A	6.71	109.74	106.68
29	7	311	CLA	C4A-NA-C1A	6.70	109.74	106.68
29	5	612	CLA	C4A-NA-C1A	6.70	109.74	106.68
29	A	801	CLA	C4A-NA-C1A	6.70	109.73	106.68
29	1	608	CLA	C4A-NA-C1A	6.69	109.73	106.68
31	1	620	II0	C42-C40-C36	-6.69	117.89	127.28
29	4	611	CLA	C4A-NA-C1A	6.69	109.73	106.68
29	c	605	CLA	C4A-NA-C1A	6.69	109.73	106.68
29	F	202	CLA	C4A-NA-C1A	6.68	109.72	106.68
29	a	611	CLA	C4A-NA-C1A	6.68	109.72	106.68
37	A	847	8CT	C10-C11-C12	-6.66	116.38	126.23
29	4	610	CLA	C4A-NA-C1A	6.66	109.72	106.68
29	2	608	CLA	C4A-NA-C1A	6.66	109.72	106.68
29	2	612	CLA	C4A-NA-C1A	6.65	109.71	106.68
29	B	826	CLA	C4A-NA-C1A	6.64	109.71	106.68
31	1	616	II0	C42-C40-C36	-6.63	117.98	127.28
29	9	308	CLA	C4A-NA-C1A	6.63	109.70	106.68
29	1	609	CLA	C4A-NA-C1A	6.62	109.70	106.68
29	1	603	CLA	C4A-NA-C1A	6.61	109.70	106.68
29	2	601	CLA	C4A-NA-C1A	6.61	109.69	106.68
29	9	309	CLA	C4A-NA-C1A	6.61	109.69	106.68
29	B	834	CLA	C4A-NA-C1A	6.60	109.69	106.68
29	Z	302	CLA	C4A-NA-C1A	6.60	109.69	106.68
29	A	825	CLA	C4A-NA-C1A	6.59	109.69	106.68
29	2	606	CLA	C4A-NA-C1A	6.59	109.68	106.68
29	A	816	CLA	C4A-NA-C1A	6.59	109.68	106.68
29	8	301	CLA	C4A-NA-C1A	6.58	109.68	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	a	604	CLA	C4A-NA-C1A	6.58	109.68	106.68
29	A	829	CLA	C4A-NA-C1A	6.58	109.68	106.68
29	B	841	CLA	C4A-NA-C1A	6.57	109.68	106.68
37	B	845	8CT	C14-C13-C12	-6.57	118.07	127.28
29	O	203	CLA	C4A-NA-C1A	6.56	109.67	106.68
29	L	201	CLA	C4A-NA-C1A	6.56	109.67	106.68
29	7	302	CLA	C4A-NA-C1A	6.56	109.67	106.68
29	b	607	CLA	C4A-NA-C1A	6.55	109.67	106.68
29	9	303	CLA	C4A-NA-C1A	6.55	109.67	106.68
29	1	612	CLA	C4A-NA-C1A	6.54	109.66	106.68
29	5	611	CLA	C4A-NA-C1A	6.53	109.66	106.68
29	9	302	CLA	C4A-NA-C1A	6.53	109.66	106.68
29	9	315	CLA	C4A-NA-C1A	6.53	109.66	106.68
29	7	306	CLA	C4A-NA-C1A	6.52	109.65	106.68
29	B	821	CLA	C4A-NA-C1A	6.52	109.65	106.68
29	c	601	CLA	C4A-NA-C1A	6.51	109.65	106.68
29	e	601	CLA	C4A-NA-C1A	6.51	109.65	106.68
29	5	602	CLA	C4A-NA-C1A	6.51	109.65	106.68
29	5	605	CLA	C4A-NA-C1A	6.51	109.65	106.68
29	4	601	CLA	C4A-NA-C1A	6.50	109.65	106.68
29	B	807	CLA	C4A-NA-C1A	6.50	109.64	106.68
29	2	603	CLA	C4A-NA-C1A	6.50	109.64	106.68
29	A	841	CLA	C4A-NA-C1A	6.50	109.64	106.68
29	b	601	CLA	C4A-NA-C1A	6.49	109.64	106.68
29	9	312	CLA	C4A-NA-C1A	6.48	109.64	106.68
29	2	609	CLA	C4A-NA-C1A	6.48	109.64	106.68
29	6	611	CLA	C4A-NA-C1A	6.48	109.64	106.68
29	e	610	CLA	C4A-NA-C1A	6.47	109.63	106.68
29	L	203	CLA	C4A-NA-C1A	6.47	109.63	106.68
29	A	820	CLA	C4A-NA-C1A	6.46	109.63	106.68
29	b	602	CLA	C4A-NA-C1A	6.46	109.63	106.68
29	8	307	CLA	C4A-NA-C1A	6.46	109.63	106.68
29	5	608	CLA	C4A-NA-C1A	6.46	109.62	106.68
29	6	601	CLA	C4A-NA-C1A	6.45	109.62	106.68
29	6	604	CLA	C4A-NA-C1A	6.45	109.62	106.68
29	4	604	CLA	C4A-NA-C1A	6.45	109.62	106.68
29	B	815	CLA	C4A-NA-C1A	6.45	109.62	106.68
29	6	608	CLA	C4A-NA-C1A	6.45	109.62	106.68
29	2	602	CLA	C4A-NA-C1A	6.44	109.62	106.68
29	2	611	CLA	C4A-NA-C1A	6.44	109.62	106.68
29	1	602	CLA	C4A-NA-C1A	6.43	109.61	106.68
29	B	812	CLA	C4A-NA-C1A	6.43	109.61	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	6	605	CLA	C4A-NA-C1A	6.42	109.61	106.68
29	e	602	CLA	C4A-NA-C1A	6.41	109.61	106.68
29	4	608	CLA	C4A-NA-C1A	6.41	109.60	106.68
29	B	833	CLA	C4A-NA-C1A	6.40	109.60	106.68
29	Z	304	CLA	C4A-NA-C1A	6.40	109.60	106.68
29	d	609	CLA	C4A-NA-C1A	6.40	109.60	106.68
29	e	606	CLA	C4A-NA-C1A	6.40	109.60	106.68
29	7	305	CLA	C4A-NA-C1A	6.39	109.59	106.68
29	a	609	CLA	C4A-NA-C1A	6.39	109.59	106.68
29	d	608	CLA	C4A-NA-C1A	6.39	109.59	106.68
29	9	313	CLA	C4A-NA-C1A	6.39	109.59	106.68
29	A	808	CLA	C4A-NA-C1A	6.39	109.59	106.68
29	4	607	CLA	C4A-NA-C1A	6.38	109.59	106.68
37	F	203	8CT	C14-C13-C12	-6.38	118.33	127.28
29	b	611	CLA	C4A-NA-C1A	6.38	109.59	106.68
29	a	608	CLA	C4A-NA-C1A	6.37	109.59	106.68
29	A	804	CLA	C4A-NA-C1A	6.37	109.58	106.68
29	d	605	CLA	C4A-NA-C1A	6.37	109.58	106.68
29	9	310	CLA	C4A-NA-C1A	6.37	109.58	106.68
29	8	317	CLA	C4A-NA-C1A	6.37	109.58	106.68
29	B	822	CLA	C4A-NA-C1A	6.36	109.58	106.68
29	J	103	CLA	C4A-NA-C1A	6.36	109.58	106.68
37	R	203	8CT	C30-C29-C28	-6.36	114.68	124.58
29	e	607	CLA	C4A-NA-C1A	6.35	109.58	106.68
29	8	308	CLA	C4A-NA-C1A	6.35	109.58	106.68
29	d	601	CLA	C4A-NA-C1A	6.35	109.58	106.68
29	B	810	CLA	C4A-NA-C1A	6.34	109.57	106.68
37	B	846	8CT	C24-C25-C26	-6.34	118.39	127.28
29	9	314	CLA	C4A-NA-C1A	6.34	109.57	106.68
29	F	201	CLA	C4A-NA-C1A	6.33	109.57	106.68
29	O	201	CLA	C4A-NA-C1A	6.32	109.56	106.68
29	1	613	CLA	C4A-NA-C1A	6.31	109.56	106.68
29	3	310	CLA	C4A-NA-C1A	6.30	109.56	106.68
29	B	830	CLA	C4A-NA-C1A	6.30	109.55	106.68
29	b	608	CLA	C4A-NA-C1A	6.30	109.55	106.68
29	X	301	CLA	C4A-NA-C1A	6.30	109.55	106.68
29	d	611	CLA	C4A-NA-C1A	6.30	109.55	106.68
29	A	826	CLA	C4A-NA-C1A	6.29	109.55	106.68
31	3	316	II0	C41-C39-C35	-6.28	118.48	127.28
29	Z	305	CLA	C4A-NA-C1A	6.27	109.54	106.68
29	c	608	CLA	C4A-NA-C1A	6.27	109.54	106.68
29	7	309	CLA	C4A-NA-C1A	6.27	109.54	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	6	609	CLA	C4A-NA-C1A	6.26	109.53	106.68
37	B	847	8CT	C19-C20-C21	-6.26	118.50	127.28
37	B	851	8CT	C18-C17-C16	-6.26	118.50	127.28
29	B	809	CLA	C4A-NA-C1A	6.26	109.53	106.68
37	B	844	8CT	C19-C20-C21	-6.25	118.52	127.28
29	8	302	CLA	C4A-NA-C1A	6.24	109.53	106.68
29	a	602	CLA	C4A-NA-C1A	6.24	109.53	106.68
29	a	607	CLA	C4A-NA-C1A	6.24	109.53	106.68
29	8	305	CLA	C4A-NA-C1A	6.24	109.52	106.68
37	B	852	8CT	C18-C17-C16	-6.23	118.54	127.28
29	A	818	CLA	C4A-NA-C1A	6.22	109.52	106.68
29	K	102	CLA	C4A-NA-C1A	6.22	109.52	106.68
37	B	843	8CT	C24-C25-C26	-6.22	118.56	127.28
29	6	612	CLA	C4A-NA-C1A	6.21	109.51	106.68
29	A	819	CLA	C4A-NA-C1A	6.21	109.51	106.68
32	8	312	II3	C41-C40-C38	-6.21	118.57	127.28
29	6	602	CLA	C4A-NA-C1A	6.20	109.51	106.68
29	B	817	CLA	C4A-NA-C1A	6.19	109.50	106.68
29	1	607	CLA	C4A-NA-C1A	6.19	109.50	106.68
29	3	302	CLA	C4A-NA-C1A	6.19	109.50	106.68
29	c	615	CLA	C4A-NA-C1A	6.19	109.50	106.68
29	3	303	CLA	C4A-NA-C1A	6.19	109.50	106.68
29	a	605	CLA	C4A-NA-C1A	6.19	109.50	106.68
29	e	611	CLA	C4A-NA-C1A	6.19	109.50	106.68
29	A	833	CLA	C4A-NA-C1A	6.18	109.50	106.68
29	Z	303	CLA	C4A-NA-C1A	6.18	109.50	106.68
29	7	303	CLA	C4A-NA-C1A	6.17	109.49	106.68
29	a	601	CLA	C4A-NA-C1A	6.17	109.49	106.68
29	B	832	CLA	C4A-NA-C1A	6.16	109.49	106.68
29	B	816	CLA	C4A-NA-C1A	6.15	109.49	106.68
29	B	838	CLA	C4A-NA-C1A	6.15	109.48	106.68
29	d	602	CLA	C4A-NA-C1A	6.14	109.48	106.68
37	B	844	8CT	C24-C25-C26	-6.14	118.67	127.28
29	O	204	CLA	C4A-NA-C1A	6.14	109.48	106.68
37	Z	308	8CT	C01-C02-C03	-6.13	117.80	124.48
29	3	306	CLA	C4A-NA-C1A	6.13	109.47	106.68
29	c	612	CLA	C4A-NA-C1A	6.13	109.47	106.68
29	7	304	CLA	C4A-NA-C1A	6.12	109.47	106.68
29	5	613	CLA	C4A-NA-C1A	6.11	109.47	106.68
37	B	852	8CT	C30-C31-C32	-6.11	113.95	121.47
29	4	606	CLA	C4A-NA-C1A	6.10	109.46	106.68
33	1	618	IHT	C41-C38-C35	-6.09	118.73	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	5	601	CLA	C4A-NA-C1A	6.08	109.45	106.68
29	A	821	CLA	C4A-NA-C1A	6.06	109.45	106.68
29	A	824	CLA	C4A-NA-C1A	6.06	109.44	106.68
32	b	613	II3	C04-C12-C21	-6.06	115.15	124.58
29	1	605	CLA	C4A-NA-C1A	6.06	109.44	106.68
37	A	844	8CT	C19-C20-C21	-6.05	118.79	127.28
29	B	820	CLA	C4A-NA-C1A	6.04	109.43	106.68
29	A	834	CLA	C4A-NA-C1A	6.03	109.43	106.68
29	1	601	CLA	C4A-NA-C1A	6.03	109.43	106.68
29	6	607	CLA	C4A-NA-C1A	6.03	109.43	106.68
29	A	811	CLA	C4A-NA-C1A	6.03	109.43	106.68
29	b	603	CLA	C4A-NA-C1A	6.03	109.43	106.68
29	A	855	CLA	C4A-NA-C1A	6.02	109.42	106.68
29	e	603	CLA	C4A-NA-C1A	6.02	109.42	106.68
37	B	844	8CT	C30-C29-C28	-6.01	115.23	124.58
29	3	311	CLA	C4A-NA-C1A	6.01	109.42	106.68
29	d	604	CLA	C4A-NA-C1A	6.01	109.42	106.68
37	R	203	8CT	C30-C31-C32	-6.00	114.08	121.47
29	A	828	CLA	C4A-NA-C1A	5.99	109.41	106.68
29	4	603	CLA	C4A-NA-C1A	5.99	109.41	106.68
37	F	203	8CT	C04-C03-C02	-5.98	114.46	122.64
29	B	806	CLA	C4A-NA-C1A	5.98	109.41	106.68
29	A	823	CLA	C4A-NA-C1A	5.98	109.41	106.68
29	A	840	CLA	C4A-NA-C1A	5.98	109.41	106.68
29	1	606	CLA	C4A-NA-C1A	5.96	109.40	106.68
29	9	304	CLA	C4A-NA-C1A	5.96	109.40	106.68
37	B	843	8CT	C07-C02-C03	-5.95	114.66	122.70
33	2	616	IHT	C41-C38-C35	-5.95	118.94	127.28
29	2	607	CLA	C4A-NA-C1A	5.95	109.39	106.68
29	A	810	CLA	C4A-NA-C1A	5.94	109.39	106.68
32	e	613	II3	C04-C12-C21	-5.93	115.35	124.58
29	A	812	CLA	C4A-NA-C1A	5.93	109.38	106.68
29	7	312	CLA	C4A-NA-C1A	5.92	109.38	106.68
29	d	603	CLA	C4A-NA-C1A	5.92	109.38	106.68
37	J	104	8CT	C30-C29-C28	-5.92	115.36	124.58
29	c	609	CLA	C4A-NA-C1A	5.92	109.38	106.68
29	A	822	CLA	C4A-NA-C1A	5.92	109.38	106.68
29	B	825	CLA	C4A-NA-C1A	5.91	109.38	106.68
33	c	620	IHT	C41-C38-C35	-5.90	119.00	127.28
29	B	823	CLA	C4A-NA-C1A	5.89	109.37	106.68
29	d	607	CLA	C4A-NA-C1A	5.89	109.37	106.68
29	9	306	CLA	C4A-NA-C1A	5.89	109.36	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	B	819	CLA	C4A-NA-C1A	5.88	109.36	106.68
29	5	603	CLA	C4A-NA-C1A	5.87	109.36	106.68
29	A	805	CLA	C4A-NA-C1A	5.87	109.36	106.68
29	B	818	CLA	C4A-NA-C1A	5.87	109.36	106.68
32	1	615	II3	C04-C12-C21	-5.85	115.48	124.58
33	5	618	IHT	C41-C38-C35	-5.85	119.08	127.28
37	I	101	8CT	C19-C20-C21	-5.84	119.08	127.28
29	c	604	CLA	C4A-NA-C1A	5.84	109.34	106.68
29	A	830	CLA	C4A-NA-C1A	5.83	109.34	106.68
29	6	603	CLA	C4A-NA-C1A	5.83	109.34	106.68
37	B	843	8CT	C19-C20-C21	-5.81	119.13	127.28
37	M	101	8CT	C14-C13-C12	-5.80	119.14	127.28
29	A	835	CLA	C4A-NA-C1A	5.80	109.33	106.68
29	e	608	CLA	C4A-NA-C1A	5.80	109.33	106.68
29	A	832	CLA	C4A-NA-C1A	5.79	109.32	106.68
29	c	602	CLA	C4A-NA-C1A	5.79	109.32	106.68
29	4	602	CLA	C4A-NA-C1A	5.78	109.31	106.68
31	5	620	II0	C42-C40-C36	-5.77	119.19	127.28
37	F	203	8CT	C30-C29-C28	-5.74	115.65	124.58
37	L	205	8CT	C24-C25-C26	-5.74	119.23	127.28
29	a	612	CLA	C4A-NA-C1A	5.74	109.30	106.68
29	c	603	CLA	C4A-NA-C1A	5.73	109.30	106.68
29	a	603	CLA	C4A-NA-C1A	5.73	109.29	106.68
29	B	802	CLA	C4A-NA-C1A	5.70	109.28	106.68
37	J	104	8CT	C07-C02-C03	-5.70	115.01	122.70
37	B	844	8CT	C10-C11-C12	-5.69	117.81	126.23
34	9	321	LHG	O4-P-O5	5.69	133.00	110.83
34	M	102	LHG	O4-P-O5	5.69	132.99	110.83
29	8	304	CLA	C4A-NA-C1A	5.68	109.27	106.68
34	B	801	LHG	O4-P-O5	5.68	132.95	110.83
29	B	831	CLA	C4A-NA-C1A	5.67	109.27	106.68
34	O	208	LHG	O4-P-O5	5.67	132.93	110.83
30	Z	306	KC2	O2D-CGD-CBD	5.67	121.14	111.23
31	5	615	II0	C42-C40-C36	-5.67	119.33	127.28
29	5	604	CLA	C4A-NA-C1A	5.66	109.26	106.68
37	R	203	8CT	C07-C02-C03	-5.65	115.06	122.70
29	8	303	CLA	C4A-NA-C1A	5.62	109.24	106.68
37	F	203	8CT	C18-C17-C16	-5.60	119.42	127.28
29	3	309	CLA	C4A-NA-C1A	5.59	109.23	106.68
29	A	839	CLA	C4A-NA-C1A	5.59	109.23	106.68
29	B	811	CLA	C4A-NA-C1A	5.59	109.23	106.68
37	F	203	8CT	C10-C11-C12	-5.59	117.97	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	c	606	CLA	C4A-NA-C1A	5.58	109.22	106.68
29	R	202	CLA	C4A-NA-C1A	5.58	109.22	106.68
37	B	848	8CT	C10-C11-C12	-5.55	118.03	126.23
29	A	802	CLA	C4A-NA-C1A	5.55	109.21	106.68
29	B	840	CLA	C4A-NA-C1A	5.54	109.21	106.68
31	7	316	II0	C41-C39-C35	-5.54	119.51	127.28
29	6	606	CLA	C4A-NA-C1A	5.54	109.21	106.68
37	Z	308	8CT	C18-C17-C16	-5.54	119.51	127.28
29	A	836	CLA	C4A-NA-C1A	5.53	109.20	106.68
33	1	618	IHT	C30-C27-C23	-5.52	119.53	127.28
29	5	606	CLA	C4A-NA-C1A	5.51	109.19	106.68
29	B	813	CLA	C4A-NA-C1A	5.50	109.19	106.68
33	a	616	IHT	C18-C22-C23	-5.47	118.15	126.23
37	A	845	8CT	C19-C20-C21	-5.46	119.61	127.28
29	A	809	CLA	C4A-NA-C1A	5.46	109.17	106.68
37	B	848	8CT	C14-C13-C12	-5.45	119.63	127.28
31	7	316	II0	C42-C40-C36	-5.41	119.69	127.28
31	5	616	II0	C41-C39-C35	-5.41	119.69	127.28
37	B	847	8CT	C35-C30-C29	-5.41	106.61	112.83
31	3	316	II0	C42-C40-C36	-5.39	119.72	127.28
31	R	204	II0	C41-C39-C35	-5.36	119.76	127.28
29	a	606	CLA	C4A-NA-C1A	5.36	109.12	106.68
31	J	102	II0	C41-C39-C35	-5.34	119.79	127.28
37	M	101	8CT	C18-C17-C16	-5.33	119.80	127.28
29	A	817	CLA	C4A-NA-C1A	5.33	109.11	106.68
31	d	616	II0	C42-C40-C36	-5.32	119.82	127.28
29	d	606	CLA	C4A-NA-C1A	5.32	109.10	106.68
37	A	845	8CT	C30-C31-C32	-5.31	114.94	121.47
31	5	620	II0	C41-C39-C35	-5.28	119.87	127.28
29	A	843	CLA	C4A-NA-C1A	5.27	109.08	106.68
31	4	615	II0	C42-C40-C36	-5.27	119.89	127.28
31	d	615	II0	C42-C40-C36	-5.26	119.90	127.28
37	B	852	8CT	C10-C11-C12	-5.26	118.45	126.23
29	9	307	CLA	C4A-NA-C1A	5.25	109.08	106.68
37	F	203	8CT	C01-C02-C03	-5.25	118.76	124.48
30	a	610	KC2	O2D-CGD-CBD	5.25	120.40	111.23
37	B	846	8CT	C19-C20-C21	-5.24	119.92	127.28
37	B	852	8CT	C01-C02-C03	-5.24	118.77	124.48
37	A	846	8CT	C24-C25-C26	-5.24	119.93	127.28
37	B	851	8CT	C14-C13-C12	-5.24	119.93	127.28
37	B	845	8CT	C18-C17-C16	-5.22	119.96	127.28
37	F	203	8CT	C07-C02-C03	-5.19	115.69	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
37	A	846	8CT	C18-C17-C16	-5.18	120.01	127.28
31	1	620	II0	C41-C39-C35	-5.17	120.03	127.28
31	1	616	II0	C41-C39-C35	-5.16	120.05	127.28
31	5	616	II0	C42-C40-C36	-5.15	120.06	127.28
29	A	827	CLA	C4A-NA-C1A	5.14	109.02	106.68
31	6	615	II0	C42-C40-C36	-5.14	120.07	127.28
31	2	613	II0	C41-C39-C35	-5.14	120.07	127.28
30	7	310	KC2	O2D-CGD-CBD	5.13	120.20	111.23
37	M	101	8CT	C19-C20-C21	-5.11	120.12	127.28
31	e	614	II0	C42-C40-C36	-5.11	120.12	127.28
31	O	205	II0	C42-C40-C36	-5.10	120.12	127.28
33	8	309	IHT	C41-C38-C35	-5.09	120.14	127.28
31	2	614	II0	C42-C40-C36	-5.08	120.15	127.28
29	3	304	CLA	C4A-NA-C1A	5.08	109.00	106.68
31	9	318	II0	C41-C39-C35	-5.08	120.16	127.28
30	2	610	KC2	O2D-CGD-CBD	5.08	120.11	111.23
31	8	310	II0	C41-C39-C35	-5.08	120.16	127.28
31	c	619	II0	C41-C39-C35	-5.07	120.16	127.28
37	A	846	8CT	C01-C02-C03	-5.07	118.96	124.48
37	B	851	8CT	C01-C02-C03	-5.06	118.96	124.48
37	B	852	8CT	C19-C20-C21	-5.05	120.20	127.28
37	A	847	8CT	C30-C31-C32	-5.04	115.27	121.47
29	B	828	CLA	C4A-NA-C1A	5.04	108.98	106.68
33	8	309	IHT	C30-C27-C23	-5.03	120.22	127.28
37	B	847	8CT	C30-C31-C32	-5.03	115.28	121.47
31	7	314	II0	C42-C40-C36	-5.03	120.22	127.28
31	5	614	II0	C42-C40-C36	-5.02	120.24	127.28
37	I	101	8CT	C24-C25-C26	-5.01	120.25	127.28
32	b	613	II3	C39-C36-C33	-5.01	120.25	127.28
37	B	845	8CT	C01-C02-C03	-5.00	119.02	124.48
37	Z	308	8CT	C18-C19-C20	-4.99	113.30	123.52
37	A	847	8CT	C18-C17-C16	-4.99	120.28	127.28
30	d	610	KC2	O2D-CGD-CBD	4.98	119.93	111.23
30	6	613	KC2	O2D-CGD-CBD	4.96	119.90	111.23
31	9	323	II0	C41-C39-C35	-4.95	120.34	127.28
31	8	311	II0	C41-C39-C35	-4.94	120.34	127.28
37	J	104	8CT	C05-C04-C03	4.94	117.62	110.44
33	1	618	IHT	C18-C22-C23	-4.94	118.93	126.23
37	K	103	8CT	C30-C29-C28	-4.92	116.92	124.58
33	Z	301	IHT	C41-C38-C35	-4.91	120.39	127.28
31	a	613	II0	C42-C40-C36	-4.91	120.39	127.28
37	B	846	8CT	C19-C18-C17	-4.91	113.47	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
33	Z	301	IHT	C30-C27-C23	-4.91	120.40	127.28
37	B	845	8CT	C10-C11-C12	-4.90	118.98	126.23
31	9	323	II0	C42-C40-C36	-4.89	120.43	127.28
37	B	848	8CT	C24-C25-C26	-4.88	120.44	127.28
31	a	619	II0	C41-C39-C35	-4.86	120.46	127.28
33	5	618	IHT	C18-C22-C23	-4.86	119.05	126.23
33	8	309	IHT	C18-C22-C23	-4.84	119.07	126.23
37	A	845	8CT	C35-C30-C29	-4.84	107.26	112.83
31	9	317	II0	C41-C39-C35	-4.81	120.53	127.28
37	R	203	8CT	C05-C04-C03	4.80	117.42	110.44
31	3	317	II0	C42-C40-C36	-4.79	120.56	127.28
37	Z	307	8CT	C35-C30-C29	-4.79	107.32	112.83
31	4	613	II0	C42-C40-C36	-4.77	120.58	127.28
37	M	101	8CT	C30-C31-C32	-4.77	115.60	121.47
31	6	614	II0	C41-C39-C35	-4.76	120.61	127.28
29	B	835	CLA	C4A-NA-C1A	4.75	108.85	106.68
37	A	844	8CT	C01-C02-C03	-4.75	119.30	124.48
31	4	615	II0	C41-C39-C35	-4.75	120.62	127.28
37	B	846	8CT	C10-C11-C12	-4.74	119.22	126.23
37	B	852	8CT	C14-C13-C12	-4.74	120.64	127.28
37	B	843	8CT	C01-C02-C03	-4.74	119.32	124.48
30	3	307	KC2	O2D-CGD-CBD	4.72	119.48	111.23
37	4	616	8CT	C18-C19-C20	4.72	133.17	123.52
31	9	319	II0	C41-C42-C40	-4.71	113.88	123.52
30	b	605	KC2	O2D-CGD-CBD	4.71	119.47	111.23
31	7	315	II0	C42-C40-C36	-4.71	120.67	127.28
30	c	610	KC2	O2D-CGD-CBD	4.70	119.45	111.23
37	B	846	8CT	C07-C02-C03	-4.70	116.35	122.70
33	L	204	IHT	C41-C38-C35	-4.70	120.69	127.28
30	b	609	KC2	O2D-CGD-CBD	4.69	119.43	111.23
32	e	613	II3	C39-C36-C33	-4.69	120.70	127.28
37	A	846	8CT	C30-C31-C32	-4.69	115.70	121.47
30	e	605	KC2	O2D-CGD-CBD	4.68	119.42	111.23
37	I	101	8CT	C01-C02-C03	-4.66	119.40	124.48
37	A	847	8CT	C07-C02-C03	-4.65	116.42	122.70
30	e	609	KC2	O2D-CGD-CBD	4.64	119.35	111.23
37	A	845	8CT	C01-C02-C03	-4.64	119.42	124.48
33	Z	301	IHT	C40-C37-C33	-4.64	120.77	127.28
31	4	614	II0	C41-C39-C35	-4.64	120.78	127.28
30	4	605	KC2	O2D-CGD-CBD	4.63	119.32	111.23
33	d	617	IHT	C18-C22-C23	-4.63	119.39	126.23
33	c	620	IHT	C06-C09-C10	-4.62	105.81	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
33	8	309	IHT	C40-C37-C33	-4.62	120.80	127.28
37	R	203	8CT	C01-C02-C03	-4.61	119.46	124.48
37	L	205	8CT	C19-C20-C21	-4.61	120.82	127.28
30	1	610	KC2	O2D-CGD-CBD	4.60	119.27	111.23
31	1	617	II0	C41-C39-C35	-4.60	120.83	127.28
33	9	320	IHT	C41-C38-C35	-4.59	120.84	127.28
37	Z	308	8CT	C14-C15-C16	-4.59	113.78	126.36
37	Z	308	8CT	C25-C24-C23	-4.58	109.94	123.20
37	Z	307	8CT	C19-C20-C21	-4.56	120.89	127.28
30	5	610	KC2	O2D-CGD-CBD	4.56	119.19	111.23
37	A	844	8CT	C18-C19-C20	-4.55	114.21	123.52
31	8	311	II0	C42-C40-C36	-4.55	120.90	127.28
34	4	617	LHG	O4-P-O5	4.55	133.61	112.44
30	4	605	KC2	CHB-C1B-NB	4.55	131.20	124.80
37	J	104	8CT	C30-C31-C32	-4.53	115.89	121.47
33	L	204	IHT	C40-C37-C33	-4.52	120.94	127.28
30	b	609	KC2	CHB-C1B-NB	4.52	131.16	124.80
34	M	102	LHG	O3-P-O6	-4.52	94.89	106.67
31	a	615	II0	C42-C40-C36	-4.52	120.94	127.28
31	9	318	II0	C42-C40-C36	-4.51	120.95	127.28
31	d	615	II0	C41-C39-C35	-4.51	120.95	127.28
34	B	801	LHG	O3-P-O6	-4.51	94.91	106.67
30	6	610	KC2	CHB-C1B-NB	4.51	131.15	124.80
31	R	201	II0	C42-C40-C36	-4.50	120.97	127.28
30	e	605	KC2	CHB-C1B-NB	4.50	131.13	124.80
31	d	614	II0	C41-C39-C35	-4.50	120.97	127.28
31	3	314	II0	C42-C40-C36	-4.49	120.97	127.28
30	b	605	KC2	CHB-C1B-NB	4.49	131.12	124.80
34	9	321	LHG	O3-P-O6	-4.48	94.99	106.67
31	3	315	II0	C42-C40-C36	-4.48	121.00	127.28
30	a	610	KC2	CHB-C1B-NB	4.47	131.10	124.80
34	O	208	LHG	O3-P-O6	-4.46	95.03	106.67
31	7	317	II0	C42-C40-C36	-4.46	121.02	127.28
34	3	301	LHG	O4-P-O5	4.46	133.19	112.44
37	B	843	8CT	C04-C03-C02	-4.46	116.54	122.64
34	2	617	LHG	O4-P-O5	4.45	133.15	112.44
34	4	619	LHG	O4-P-O5	4.45	133.14	112.44
34	A	851	LHG	O4-P-O5	4.45	133.13	112.44
37	B	851	8CT	C07-C02-C03	-4.44	116.70	122.70
34	1	619	LHG	O4-P-O5	4.44	133.11	112.44
34	2	619	LHG	O4-P-O5	4.44	133.10	112.44
34	5	619	LHG	O4-P-O5	4.44	133.09	112.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
34	c	622	LHG	O4-P-O5	4.43	133.06	112.44
34	L	208	LHG	O4-P-O5	4.43	133.05	112.44
34	A	850	LHG	O4-P-O5	4.43	133.04	112.44
34	c	623	LHG	O4-P-O5	4.43	133.04	112.44
34	a	617	LHG	O4-P-O5	4.42	133.01	112.44
34	Z	311	LHG	O4-P-O5	4.42	133.00	112.44
34	A	852	LHG	O4-P-O5	4.41	132.97	112.44
34	3	321	LHG	O4-P-O5	4.41	132.96	112.44
33	d	617	IHT	C06-C09-C10	-4.40	106.20	114.06
34	8	316	LHG	O4-P-O5	4.40	132.91	112.44
34	4	618	LHG	O4-P-O5	4.39	132.88	112.44
34	L	207	LHG	O4-P-O5	4.39	132.88	112.44
30	1	610	KC2	CHB-C1B-NB	4.39	130.98	124.80
33	2	616	IHT	C30-C27-C23	-4.38	121.13	127.28
34	b	616	LHG	O4-P-O5	4.38	132.83	112.44
34	7	319	LHG	O4-P-O5	4.38	132.80	112.44
37	A	844	8CT	C29-C28-C26	-4.37	116.92	126.32
34	e	617	LHG	O4-P-O5	4.37	132.78	112.44
31	3	318	II0	C41-C39-C35	-4.37	121.15	127.28
34	4	620	LHG	O4-P-O5	4.36	132.75	112.44
34	8	315	LHG	O4-P-O5	4.36	132.75	112.44
30	5	610	KC2	CHB-C1B-NB	4.36	130.94	124.80
30	6	610	KC2	O2D-CGD-CBD	4.36	118.86	111.23
30	3	307	KC2	CHB-C1B-NB	4.36	130.94	124.80
34	5	621	LHG	O4-P-O5	4.36	132.73	112.44
33	K	104	IHT	C30-C27-C23	-4.36	121.17	127.28
34	Z	309	LHG	O4-P-O5	4.36	132.72	112.44
33	2	616	IHT	C40-C37-C33	-4.35	121.17	127.28
31	1	617	II0	C31-C33-C35	-4.35	114.43	126.36
30	2	610	KC2	CHB-C1B-NB	4.34	130.91	124.80
30	d	610	KC2	CHB-C1B-NB	4.34	130.91	124.80
34	7	320	LHG	O4-P-O5	4.34	132.62	112.44
37	M	101	8CT	C07-C02-C03	-4.34	116.84	122.70
37	B	845	8CT	C07-C02-C03	-4.33	116.85	122.70
30	7	310	KC2	CHB-C1B-NB	4.33	130.90	124.80
37	K	103	8CT	C14-C13-C12	-4.33	121.20	127.28
31	4	614	II0	C42-C40-C36	-4.33	121.21	127.28
31	e	612	II0	C41-C39-C35	-4.32	121.21	127.28
37	F	203	8CT	C30-C31-C32	-4.32	116.15	121.47
30	7	313	KC2	CHB-C1B-NB	4.32	130.88	124.80
30	c	610	KC2	CHB-C1B-NB	4.32	130.88	124.80
30	e	609	KC2	CHB-C1B-NB	4.31	130.88	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
37	A	844	8CT	C10-C11-C12	-4.31	119.85	126.23
37	F	203	8CT	C19-C20-C21	-4.30	121.24	127.28
31	d	613	II0	C42-C40-C36	-4.30	121.24	127.28
31	a	619	II0	C42-C40-C36	-4.28	121.27	127.28
33	K	104	IHT	C41-C38-C35	-4.28	121.27	127.28
30	9	311	KC2	CHB-C1B-NB	4.28	130.82	124.80
34	J	101	LHG	O4-P-O5	4.28	132.33	112.44
37	K	103	8CT	C19-C20-C21	-4.26	121.30	127.28
30	9	311	KC2	O2D-CGD-CBD	4.26	118.68	111.23
31	7	301	II0	C41-C39-C35	-4.26	121.31	127.28
37	A	844	8CT	C30-C31-C32	-4.25	116.24	121.47
30	7	313	KC2	O2D-CGD-CBD	4.24	118.64	111.23
31	O	206	II0	C41-C39-C35	-4.23	121.34	127.28
32	8	312	II3	C39-C36-C33	-4.23	121.35	127.28
31	1	614	II0	C41-C39-C35	-4.23	121.35	127.28
33	2	616	IHT	C18-C22-C23	-4.23	119.98	126.23
31	c	618	II0	C42-C40-C36	-4.22	121.35	127.28
31	3	316	II0	C17-C04-C10	-4.21	102.97	110.52
30	Z	306	KC2	CHB-C1B-NB	4.21	130.73	124.80
37	L	205	8CT	C01-C02-C03	-4.21	119.89	124.48
30	6	613	KC2	CHB-C1B-NB	4.21	130.72	124.80
37	I	101	8CT	C29-C28-C26	-4.20	117.29	126.32
32	8	312	II3	C29-C26-C24	-4.19	121.41	127.28
37	J	104	8CT	C19-C20-C21	-4.18	121.42	127.28
37	7	318	8CT	C19-C18-C17	4.18	132.07	123.52
30	c	614	KC2	O2D-CGD-CBD	4.17	118.53	111.23
37	B	852	8CT	C07-C02-C03	-4.17	117.07	122.70
37	B	845	8CT	C19-C20-C21	-4.16	121.44	127.28
37	Z	308	8CT	C11-C10-C03	-4.16	115.88	127.00
33	6	616	IHT	C41-C38-C35	-4.16	121.44	127.28
31	9	316	II0	C41-C39-C35	-4.16	121.44	127.28
37	B	847	8CT	C24-C25-C26	-4.16	121.45	127.28
31	e	614	II0	C41-C39-C35	-4.16	121.45	127.28
33	d	617	IHT	C41-C38-C35	-4.15	121.46	127.28
37	A	844	8CT	C07-C02-C03	-4.13	117.12	122.70
31	c	616	II0	C41-C39-C35	-4.13	121.49	127.28
31	c	621	II0	C42-C40-C36	-4.13	121.49	127.28
36	B	850	SQD	O47-C7-C8	4.13	120.41	111.48
37	A	846	8CT	C07-C02-C03	-4.12	117.13	122.70
30	c	614	KC2	CHB-C1B-NB	4.12	130.60	124.80
37	L	205	8CT	C10-C11-C12	-4.11	120.15	126.23
30	1	610	KC2	C4B-CHC-C1C	-4.11	117.29	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
37	Z	307	8CT	C01-C02-C03	-4.11	120.00	124.48
37	B	852	8CT	C25-C24-C23	-4.11	111.30	123.20
37	K	103	8CT	C07-C02-C03	-4.10	117.16	122.70
32	e	613	II3	C41-C40-C38	-4.09	121.54	127.28
30	c	611	KC2	CHB-C1B-NB	4.09	130.56	124.80
33	c	620	IHT	C18-C22-C23	-4.08	120.19	126.23
37	L	205	8CT	C30-C29-C28	-4.08	118.22	124.58
30	5	610	KC2	C4B-CHC-C1C	-4.08	117.34	126.02
30	c	611	KC2	O2D-CGD-CBD	4.08	118.37	111.23
36	O	207	SQD	O9-S-O7	-4.08	100.55	113.82
37	R	203	8CT	C18-C17-C16	-4.08	121.56	127.28
37	B	844	8CT	C30-C31-C32	-4.08	116.45	121.47
30	6	610	KC2	CHC-C4B-NB	4.08	130.54	124.80
31	9	317	II0	C42-C40-C36	-4.07	121.57	127.28
30	Z	306	KC2	CHC-C4B-NB	4.07	130.53	124.80
30	d	610	KC2	C4B-CHC-C1C	-4.07	117.38	126.02
38	9	322	DGD	O3G-C3G-C2G	-4.06	100.93	110.82
36	9	301	SQD	O9-S-O7	-4.06	100.62	113.82
31	e	612	II0	C42-C40-C36	-4.05	121.59	127.28
31	c	621	II0	C41-C39-C35	-4.05	121.60	127.28
30	2	610	KC2	C4B-CHC-C1C	-4.04	117.43	126.02
30	c	610	KC2	C4B-CHC-C1C	-4.04	117.43	126.02
37	Z	307	8CT	C18-C17-C16	-4.04	121.61	127.28
33	9	320	IHT	C19-C10-C07	-4.03	120.08	124.48
30	6	613	KC2	CHC-C4B-NB	4.03	130.47	124.80
30	a	610	KC2	C4B-CHC-C1C	-4.03	117.46	126.02
37	K	103	8CT	C05-C04-C03	4.03	116.29	110.44
30	9	311	KC2	C4B-CHC-C1C	-4.02	117.47	126.02
31	6	615	II0	C41-C39-C35	-4.02	121.64	127.28
36	a	618	SQD	O47-C7-C8	4.02	120.17	111.48
37	A	847	8CT	C30-C29-C28	-4.01	118.34	124.58
37	K	103	8CT	C10-C11-C12	-4.01	120.31	126.23
37	R	203	8CT	C14-C13-C12	-4.01	121.66	127.28
30	9	311	KC2	CHC-C4B-NB	4.00	130.44	124.80
37	A	847	8CT	C19-C20-C21	-4.00	121.67	127.28
36	7	321	SQD	O47-C7-C8	4.00	120.12	111.48
30	3	307	KC2	C4B-CHC-C1C	-3.99	117.53	126.02
36	7	321	SQD	O9-S-O7	-3.99	100.85	113.82
33	a	616	IHT	C41-C38-C35	-3.99	121.69	127.28
30	b	609	KC2	C4B-CHC-C1C	-3.99	117.55	126.02
36	B	850	SQD	O9-S-O7	-3.98	100.86	113.82
30	c	614	KC2	C1D-CHD-C4C	-3.98	116.89	126.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
30	7	313	KC2	CHC-C4B-NB	3.98	130.40	124.80
36	3	320	SQD	O47-C7-C8	3.98	120.09	111.48
37	B	848	8CT	C18-C19-C20	-3.98	115.38	123.52
36	O	207	SQD	O47-C7-C8	3.98	120.08	111.48
29	R	202	CLA	CAA-C2A-C3A	-3.97	102.26	113.00
30	6	610	KC2	C4B-CHC-C1C	-3.97	117.58	126.02
32	1	615	II3	C39-C36-C33	-3.97	121.71	127.28
33	1	618	IHT	C40-C37-C33	-3.96	121.72	127.28
30	9	311	KC2	C1D-CHD-C4C	-3.96	116.93	126.25
30	e	609	KC2	C4B-CHC-C1C	-3.96	117.60	126.02
37	M	101	8CT	C05-C04-C03	3.96	116.19	110.44
37	B	847	8CT	C01-C02-C03	-3.96	120.17	124.48
33	K	104	IHT	C40-C37-C33	-3.96	121.73	127.28
30	7	310	KC2	C4B-CHC-C1C	-3.96	117.61	126.02
31	1	620	II0	C19-C13-C11	3.95	121.69	114.42
37	L	205	8CT	C30-C31-C32	-3.95	116.60	121.47
36	3	322	SQD	O47-C7-C8	3.95	120.03	111.48
30	7	313	KC2	C4B-CHC-C1C	-3.95	117.62	126.02
37	I	101	8CT	C07-C02-C03	-3.95	117.37	122.70
30	3	307	KC2	CHC-C4B-NB	3.94	130.35	124.80
30	c	611	KC2	CHC-C4B-NB	3.94	130.35	124.80
31	4	612	II0	C41-C39-C35	-3.94	121.75	127.28
30	e	605	KC2	CHC-C4B-NB	3.94	130.35	124.80
30	e	609	KC2	C1D-CHD-C4C	-3.94	116.98	126.25
36	3	322	SQD	O9-S-O7	-3.94	101.02	113.82
36	3	320	SQD	O9-S-O7	-3.93	101.04	113.82
31	e	615	II0	C41-C39-C35	-3.93	121.77	127.28
37	B	848	8CT	C01-C02-C03	-3.93	120.20	124.48
37	B	846	8CT	C01-C02-C03	-3.92	120.21	124.48
33	a	616	IHT	C06-C09-C10	-3.92	107.07	114.06
29	B	807	CLA	O2D-CGD-O1D	-3.92	116.22	123.85
30	c	614	KC2	C4B-CHC-C1C	-3.92	117.69	126.02
30	4	605	KC2	CHC-C4B-NB	3.91	130.31	124.80
29	B	808	CLA	C1-C2-C3	-3.91	119.79	126.20
30	e	609	KC2	CHC-C4B-NB	3.91	130.30	124.80
37	A	846	8CT	C19-C20-C21	-3.91	121.80	127.28
31	7	316	II0	C31-C33-C35	-3.91	115.66	126.36
33	5	618	IHT	C19-C10-C07	-3.91	120.22	124.48
30	6	613	KC2	C4B-CHC-C1C	-3.90	117.73	126.02
37	R	203	8CT	C19-C20-C21	-3.90	121.81	127.28
36	9	301	SQD	O47-C7-C8	3.90	119.91	111.48
31	1	620	II0	C31-C33-C35	-3.89	115.68	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
30	7	310	KC2	CHC-C4B-NB	3.89	130.28	124.80
31	R	201	II0	C41-C39-C35	-3.89	121.82	127.28
30	c	611	KC2	C4B-CHC-C1C	-3.89	117.75	126.02
31	a	614	II0	C41-C39-C35	-3.89	121.83	127.28
30	Z	306	KC2	C1D-CHD-C4C	-3.88	117.12	126.25
30	5	610	KC2	CHC-C4B-NB	3.88	130.26	124.80
37	A	844	8CT	C14-C13-C12	-3.87	121.84	127.28
30	b	605	KC2	C4B-CHC-C1C	-3.87	117.79	126.02
30	6	613	KC2	C1D-CHD-C4C	-3.87	117.14	126.25
30	a	610	KC2	C1D-CHD-C4C	-3.87	117.15	126.25
30	7	310	KC2	C1D-CHD-C4C	-3.87	117.15	126.25
30	2	610	KC2	CHC-C4B-NB	3.87	130.24	124.80
30	e	605	KC2	C1D-CHD-C4C	-3.86	117.16	126.25
30	e	605	KC2	C4B-CHC-C1C	-3.86	117.82	126.02
30	d	610	KC2	C1D-CHD-C4C	-3.86	117.18	126.25
30	7	313	KC2	C1D-CHD-C4C	-3.86	117.18	126.25
30	b	605	KC2	C1D-CHD-C4C	-3.85	117.19	126.25
37	B	846	8CT	C13-C14-C15	-3.85	112.05	123.20
30	c	611	KC2	C1D-CHD-C4C	-3.85	117.20	126.25
31	1	620	II0	C31-C29-C25	-3.85	115.85	126.61
31	5	615	II0	C41-C39-C35	-3.84	121.89	127.28
30	6	610	KC2	C1D-CHD-C4C	-3.84	117.21	126.25
31	5	617	II0	C41-C39-C35	-3.84	121.89	127.28
31	b	612	II0	C42-C40-C36	-3.84	121.89	127.28
30	b	605	KC2	CHC-C4B-NB	3.84	130.21	124.80
30	4	605	KC2	C4B-CHC-C1C	-3.83	117.88	126.02
37	A	847	8CT	C05-C04-C03	3.83	116.00	110.44
30	5	610	KC2	C1D-CHD-C4C	-3.82	117.27	126.25
30	Z	306	KC2	C4B-CHC-C1C	-3.82	117.91	126.02
30	b	609	KC2	CHC-C4B-NB	3.81	130.17	124.80
37	e	616	8CT	C18-C19-C20	3.81	131.32	123.52
37	B	846	8CT	C30-C31-C32	-3.81	116.78	121.47
31	e	615	II0	C42-C40-C36	-3.81	121.94	127.28
33	8	309	IHT	C19-C10-C07	-3.81	120.33	124.48
37	Z	307	8CT	C07-C02-C03	-3.80	117.56	122.70
37	B	843	8CT	C14-C13-C12	-3.80	121.95	127.28
37	B	848	8CT	C29-C28-C26	-3.80	118.15	126.32
37	b	615	8CT	C18-C19-C20	3.80	131.29	123.52
30	c	610	KC2	CHC-C4B-NB	3.79	130.14	124.80
30	4	605	KC2	C1D-CHD-C4C	-3.79	117.34	126.25
36	a	618	SQD	O9-S-O7	-3.79	101.51	113.82
33	Z	301	IHT	C19-C10-C07	-3.78	120.36	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
30	a	610	KC2	CHC-C4B-NB	3.77	130.11	124.80
30	2	610	KC2	C1D-CHD-C4C	-3.77	117.38	126.25
30	c	610	KC2	C1D-CHD-C4C	-3.76	117.40	126.25
37	A	845	8CT	C24-C25-C26	-3.76	122.00	127.28
30	c	614	KC2	C1D-ND-C4D	3.75	108.95	106.31
31	3	318	II0	C17-C04-C10	-3.75	103.79	110.52
29	A	810	CLA	O2D-CGD-O1D	-3.75	116.55	123.85
31	9	316	II0	C42-C40-C36	-3.75	122.02	127.28
37	B	848	8CT	C05-C04-C03	3.75	115.88	110.44
33	5	618	IHT	C30-C27-C23	-3.74	122.03	127.28
33	Z	301	IHT	C06-C09-C10	-3.74	107.38	114.06
32	1	615	II3	C41-C40-C38	-3.74	122.03	127.28
30	1	610	KC2	C1D-CHD-C4C	-3.74	117.45	126.25
37	A	847	8CT	C18-C19-C20	-3.73	115.88	123.52
37	J	104	8CT	C18-C17-C16	-3.73	122.05	127.28
31	R	201	II0	C04-C06-C08	-3.73	105.41	113.59
33	c	620	IHT	C40-C37-C33	-3.73	122.05	127.28
30	d	610	KC2	CHC-C4B-NB	3.72	130.04	124.80
37	7	318	8CT	C04-C03-C02	-3.72	117.55	122.64
33	6	616	IHT	C06-C09-C10	-3.72	107.42	114.06
32	8	312	II3	C12-C21-C24	-3.71	118.34	126.32
30	3	307	KC2	C1D-CHD-C4C	-3.71	117.52	126.25
37	B	845	8CT	C30-C29-C28	-3.68	118.85	124.58
37	A	845	8CT	C07-C02-C03	-3.68	117.73	122.70
37	B	852	8CT	C04-C03-C02	-3.68	117.61	122.64
30	1	610	KC2	CHC-C4B-NB	3.67	129.97	124.80
30	6	613	KC2	CHC-C4B-C3B	-3.67	119.02	125.21
37	A	846	8CT	C14-C13-C12	-3.67	122.13	127.28
37	A	845	8CT	C11-C10-C03	-3.67	117.19	127.00
30	c	614	KC2	CHC-C4B-NB	3.67	129.97	124.80
33	d	617	IHT	C03-C05-C08	-3.67	105.55	113.59
37	K	103	8CT	C01-C02-C03	-3.66	120.49	124.48
37	F	203	8CT	C35-C30-C29	-3.66	108.62	112.83
33	9	320	IHT	C22-C18-C07	-3.66	117.23	127.00
37	A	844	8CT	C18-C17-C16	-3.65	122.16	127.28
37	B	846	8CT	C18-C17-C16	-3.65	122.16	127.28
37	A	847	8CT	C01-C02-C03	-3.64	120.51	124.48
37	A	847	8CT	C01-C02-C07	3.64	121.35	113.60
37	R	203	8CT	C10-C11-C12	-3.63	120.86	126.23
37	Z	307	8CT	C30-C29-C28	-3.63	118.92	124.58
37	L	205	8CT	C14-C13-C12	-3.63	122.19	127.28
36	B	850	SQD	O7-S-C6	3.63	112.18	106.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
40	B	842	PQN	C11-C12-C13	-3.63	120.58	126.83
30	c	610	KC2	CHC-C4B-C3B	-3.63	119.09	125.21
37	B	848	8CT	C14-C15-C16	-3.63	116.42	126.36
30	9	311	KC2	CHC-C4B-C3B	-3.62	119.10	125.21
30	7	310	KC2	CHC-C4B-C3B	-3.61	119.12	125.21
37	B	843	8CT	C11-C10-C03	-3.60	117.38	127.00
33	L	204	IHT	C19-C10-C07	-3.60	120.56	124.48
31	b	614	II0	C41-C39-C35	-3.60	122.23	127.28
31	d	614	II0	C42-C40-C36	-3.59	122.24	127.28
37	4	616	8CT	C40-C12-C13	-3.59	117.00	122.82
31	2	615	II0	C41-C39-C35	-3.59	122.25	127.28
31	3	314	II0	C41-C39-C35	-3.59	122.25	127.28
37	R	203	8CT	C19-C18-C17	-3.58	116.19	123.52
33	5	618	IHT	C40-C37-C33	-3.58	122.26	127.28
30	b	609	KC2	CHB-C1B-C2B	-3.58	118.04	125.49
30	1	610	KC2	CHB-C1B-C2B	-3.57	118.05	125.49
32	e	613	II3	C03-C04-C12	-3.57	108.72	112.83
31	2	614	II0	C41-C39-C35	-3.57	122.27	127.28
33	d	617	IHT	C41-C40-C37	-3.56	116.23	123.52
30	6	610	KC2	CHB-C1B-C2B	-3.56	118.08	125.49
37	B	847	8CT	C13-C14-C15	-3.56	112.88	123.20
31	2	613	II0	C42-C40-C36	-3.55	122.30	127.28
30	b	609	KC2	C1D-CHD-C4C	-3.55	117.90	126.25
29	1	601	CLA	CAA-C2A-C3A	-3.55	103.41	113.00
30	7	310	KC2	CHB-C1B-C2B	-3.54	118.12	125.49
37	R	203	8CT	C25-C24-C23	-3.54	112.95	123.20
31	a	615	II0	C41-C42-C40	-3.54	116.28	123.52
31	7	315	II0	C41-C39-C35	-3.54	122.32	127.28
30	b	605	KC2	CHB-C1B-C2B	-3.53	118.14	125.49
37	B	843	8CT	C18-C17-C16	-3.53	122.32	127.28
29	B	810	CLA	O2D-CGD-O1D	-3.53	116.97	123.85
37	e	616	8CT	C40-C12-C13	-3.53	117.10	122.82
29	d	607	CLA	C3B-C4B-NB	-3.53	107.38	110.53
37	4	616	8CT	C23-C21-C20	3.52	124.55	119.01
29	K	101	CLA	O2D-CGD-O1D	-3.52	117.00	123.85
37	L	205	8CT	C07-C02-C03	-3.52	117.95	122.70
30	4	605	KC2	CHB-C1B-C2B	-3.52	118.17	125.49
31	5	614	II0	C41-C39-C35	-3.51	122.35	127.28
31	2	615	II0	C19-C13-C11	3.51	120.88	114.42
37	b	615	8CT	C40-C12-C13	-3.51	117.12	122.82
30	a	610	KC2	CHB-C1B-C2B	-3.51	118.18	125.49
29	A	832	CLA	O2D-CGD-O1D	-3.51	117.02	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
30	Z	306	KC2	CHC-C4B-C3B	-3.51	119.30	125.21
30	b	605	KC2	CHD-C1D-ND	3.50	129.30	124.05
37	e	616	8CT	C27-C26-C25	-3.50	117.14	122.82
31	a	615	II0	C20-C14-C12	3.50	120.86	114.42
37	B	843	8CT	C30-C31-C32	-3.50	117.17	121.47
31	7	314	II0	C41-C39-C35	-3.49	122.38	127.28
32	1	615	II3	C03-C04-C12	-3.49	108.81	112.83
30	e	605	KC2	CHB-C1B-C2B	-3.49	118.23	125.49
37	A	845	8CT	C18-C17-C16	-3.49	122.39	127.28
31	8	310	II0	C42-C40-C36	-3.49	122.39	127.28
37	B	851	8CT	C11-C10-C03	-3.48	117.69	127.00
31	R	204	II0	C41-C42-C40	-3.48	116.39	123.52
31	3	316	II0	C41-C42-C40	-3.48	116.39	123.52
30	3	307	KC2	CHB-C1B-C2B	-3.48	118.25	125.49
30	c	611	KC2	CHC-C4B-C3B	-3.48	119.34	125.21
37	7	318	8CT	C27-C26-C25	-3.48	117.18	122.82
37	Z	307	8CT	C24-C25-C26	-3.48	122.40	127.28
37	A	847	8CT	C25-C24-C23	-3.48	113.13	123.20
37	B	844	8CT	C07-C02-C03	-3.47	118.01	122.70
33	K	104	IHT	C40-C41-C38	-3.47	116.41	123.52
29	3	309	CLA	C3B-C4B-NB	-3.47	107.43	110.53
37	K	103	8CT	C01-C02-C07	3.47	120.99	113.60
33	L	204	IHT	C22-C18-C07	-3.47	117.74	127.00
37	I	101	8CT	C14-C13-C12	-3.47	122.42	127.28
30	c	610	KC2	CHB-C1B-C2B	-3.46	118.28	125.49
30	5	610	KC2	CHD-C1D-ND	3.46	129.24	124.05
31	4	612	II0	C42-C40-C36	-3.46	122.43	127.28
37	A	846	8CT	C10-C11-C12	-3.46	121.12	126.23
30	e	609	KC2	CHC-C4B-C3B	-3.45	119.39	125.21
33	1	618	IHT	C19-C10-C07	-3.45	120.72	124.48
37	A	846	8CT	C25-C24-C23	-3.45	113.19	123.20
30	6	610	KC2	CHC-C4B-C3B	-3.45	119.39	125.21
31	1	617	II0	C42-C40-C36	-3.45	122.44	127.28
37	B	846	8CT	C04-C03-C02	-3.45	117.93	122.64
30	e	605	KC2	CHD-C1D-ND	3.44	129.21	124.05
29	A	824	CLA	O2D-CGD-O1D	-3.44	117.15	123.85
33	d	617	IHT	C02-C07-C10	-3.44	117.94	122.64
37	A	844	8CT	C27-C26-C28	3.44	123.34	118.09
30	a	610	KC2	CHD-C1D-ND	3.43	129.20	124.05
37	4	616	8CT	C27-C26-C25	-3.43	117.25	122.82
37	B	846	8CT	C11-C10-C03	-3.43	117.83	127.00
37	A	844	8CT	C28-C26-C25	-3.43	113.61	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	R	201	II0	C42-C41-C39	-3.43	116.50	123.52
30	3	307	KC2	CHC-C4B-C3B	-3.43	119.43	125.21
33	6	616	IHT	C19-C10-C07	-3.43	120.74	124.48
30	9	311	KC2	CHB-C1B-C2B	-3.43	118.36	125.49
37	J	104	8CT	C25-C24-C23	-3.43	113.27	123.20
29	A	821	CLA	C3B-C4B-NB	-3.42	107.48	110.53
37	B	844	8CT	C14-C13-C12	-3.42	122.48	127.28
37	A	844	8CT	C25-C24-C23	-3.42	113.30	123.20
37	J	104	8CT	C01-C02-C03	-3.42	120.76	124.48
38	B	849	DGD	O3G-C3G-C2G	-3.41	102.51	110.82
37	I	101	8CT	C04-C03-C02	-3.41	117.97	122.64
36	9	301	SQD	O7-S-C6	3.41	111.85	106.76
33	c	620	IHT	C41-C40-C37	-3.41	116.55	123.52
31	3	317	II0	C41-C39-C35	-3.41	122.50	127.28
37	Z	308	8CT	C07-C02-C03	-3.41	118.10	122.70
31	c	619	II0	C42-C40-C36	-3.41	122.50	127.28
33	2	616	IHT	C31-C29-C26	-3.40	117.11	126.61
30	e	609	KC2	CHB-C1B-C2B	-3.40	118.42	125.49
30	2	610	KC2	CHD-C1D-ND	3.39	129.14	124.05
29	A	823	CLA	O2D-CGD-O1D	-3.39	117.25	123.85
29	b	606	CLA	O2D-CGD-O1D	-3.39	117.25	123.85
30	d	610	KC2	CHB-C1B-C2B	-3.39	118.44	125.49
37	I	101	8CT	C11-C10-C03	-3.39	117.95	127.00
30	c	611	KC2	C1D-ND-C4D	3.38	108.69	106.31
30	1	610	KC2	CHC-C4B-C3B	-3.38	119.51	125.21
33	9	320	IHT	C30-C32-C33	-3.38	117.09	126.36
29	A	810	CLA	O2D-CGD-CBD	3.38	117.13	111.23
37	B	847	8CT	C11-C10-C03	-3.37	117.98	127.00
30	e	609	KC2	CHD-C1D-ND	3.37	129.11	124.05
33	d	617	IHT	C09-C10-C07	-3.37	118.16	122.70
30	2	610	KC2	CHB-C1B-C2B	-3.36	118.49	125.49
36	7	321	SQD	O9-S-C6	3.36	111.78	106.76
31	7	317	II0	C42-C41-C39	-3.36	116.64	123.52
37	I	101	8CT	C18-C19-C20	-3.36	116.64	123.52
30	6	610	KC2	CHD-C1D-ND	3.36	129.09	124.05
31	1	616	II0	C32-C34-C36	-3.36	117.16	126.36
30	c	611	KC2	CHD-C1D-ND	3.36	129.08	124.05
30	d	610	KC2	CHD-C1D-ND	3.36	129.08	124.05
29	A	830	CLA	O2D-CGD-O1D	-3.36	117.32	123.85
37	A	844	8CT	C11-C10-C03	-3.35	118.04	127.00
36	O	207	SQD	O9-S-C6	3.35	111.76	106.76
37	Z	307	8CT	C10-C11-C12	-3.35	121.29	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
30	3	307	KC2	CHD-C1D-ND	3.34	129.07	124.05
30	b	609	KC2	CHD-C1D-ND	3.34	129.06	124.05
31	e	612	II0	C20-C14-C12	3.34	120.57	114.42
29	A	810	CLA	C3B-C4B-NB	-3.34	107.55	110.53
36	a	618	SQD	O9-S-C6	3.34	111.75	106.76
37	L	205	8CT	C18-C19-C20	-3.34	116.69	123.52
33	Z	301	IHT	C02-C07-C18	3.34	124.70	115.65
37	J	104	8CT	C10-C11-C12	-3.34	121.30	126.23
30	Z	306	KC2	CHD-C1D-ND	3.33	129.05	124.05
37	Z	308	8CT	C19-C20-C21	-3.33	122.60	127.28
31	1	614	II0	C42-C40-C36	-3.33	122.60	127.28
30	7	310	KC2	CHD-C1D-ND	3.33	129.05	124.05
29	a	608	CLA	O2D-CGD-O1D	-3.33	117.36	123.85
30	d	610	KC2	CHC-C4B-C3B	-3.33	119.59	125.21
30	6	613	KC2	CHD-C1D-ND	3.33	129.04	124.05
40	A	849	PQN	C14-C13-C15	3.33	121.00	115.23
30	5	610	KC2	CHB-C1B-C2B	-3.33	118.57	125.49
38	9	322	DGD	O6D-C1D-O3G	-3.32	102.19	110.04
37	K	103	8CT	C30-C31-C32	-3.32	117.38	121.47
29	B	804	CLA	C3B-C4B-NB	-3.32	107.56	110.53
33	9	320	IHT	C22-C23-C27	3.31	124.22	119.01
29	3	303	CLA	O2D-CGD-O1D	-3.31	117.40	123.85
30	6	613	KC2	CHB-C1B-C2B	-3.31	118.60	125.49
29	6	606	CLA	O2D-CGD-O1D	-3.31	117.41	123.85
29	7	307	CLA	O2D-CGD-O1D	-3.31	117.41	123.85
37	A	845	8CT	C30-C29-C28	-3.31	119.43	124.58
37	B	847	8CT	C07-C02-C03	-3.31	118.24	122.70
29	B	803	CLA	O2D-CGD-O1D	-3.31	117.41	123.85
37	B	844	8CT	C18-C17-C16	-3.31	122.64	127.28
31	b	614	II0	C42-C40-C36	-3.30	122.64	127.28
37	J	104	8CT	C14-C15-C16	-3.30	117.31	126.36
30	5	610	KC2	CHC-C4B-C3B	-3.30	119.64	125.21
31	O	206	II0	C42-C40-C36	-3.30	122.65	127.28
29	A	802	CLA	C3B-C4B-NB	-3.30	107.58	110.53
29	4	606	CLA	C3B-C4B-NB	-3.30	107.59	110.53
29	B	813	CLA	C3B-C4B-NB	-3.30	107.59	110.53
33	a	616	IHT	C41-C40-C37	-3.30	116.77	123.52
37	J	104	8CT	C01-C02-C07	3.29	120.62	113.60
29	3	308	CLA	O2D-CGD-O1D	-3.29	117.44	123.85
37	7	318	8CT	C40-C12-C13	-3.29	117.49	122.82
30	7	313	KC2	CHC-C4B-C3B	-3.29	119.66	125.21
30	a	610	KC2	CHC-C4B-C3B	-3.29	119.67	125.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
30	3	307	KC2	C1D-ND-C4D	3.29	108.62	106.31
29	A	841	CLA	O2D-CGD-O1D	-3.29	117.45	123.85
29	A	821	CLA	O2D-CGD-O1D	-3.29	117.45	123.85
33	9	320	IHT	C40-C37-C33	-3.29	122.67	127.28
29	c	604	CLA	C3B-C4B-NB	-3.29	107.60	110.53
29	a	602	CLA	C3B-C4B-NB	-3.28	107.60	110.53
30	b	609	KC2	C1A-NA-C4A	-3.28	105.18	106.68
30	2	610	KC2	CHC-C4B-C3B	-3.28	119.68	125.21
37	M	101	8CT	C18-C19-C20	-3.28	116.81	123.52
37	B	851	8CT	C19-C20-C21	-3.28	122.68	127.28
29	c	602	CLA	O2D-CGD-O1D	-3.28	117.47	123.85
29	6	609	CLA	O2D-CGD-O1D	-3.27	117.48	123.85
29	A	828	CLA	O2D-CGD-O1D	-3.27	117.48	123.85
37	B	851	8CT	C18-C19-C20	-3.27	116.82	123.52
33	1	618	IHT	C41-C40-C37	-3.27	116.83	123.52
36	3	322	SQD	O7-S-C6	3.27	111.64	106.76
30	1	610	KC2	CHD-C1D-ND	3.27	128.95	124.05
31	c	616	II0	C42-C40-C36	-3.26	122.70	127.28
36	a	618	SQD	O7-S-C6	3.26	111.63	106.76
29	B	836	CLA	O2D-CGD-O1D	-3.26	117.50	123.85
29	6	602	CLA	O2D-CGD-O1D	-3.26	117.51	123.85
30	Z	306	KC2	CHB-C1B-C2B	-3.25	118.72	125.49
37	B	843	8CT	C19-C18-C17	-3.25	116.86	123.52
31	c	619	II0	C32-C34-C36	-3.25	117.44	126.36
29	5	606	CLA	O2D-CGD-O1D	-3.25	117.52	123.85
29	B	802	CLA	O2D-CGD-O1D	-3.25	117.52	123.85
33	6	616	IHT	C18-C22-C23	-3.25	121.42	126.23
29	d	608	CLA	O2D-CGD-O1D	-3.25	117.52	123.85
29	Z	305	CLA	C3B-C4B-NB	-3.25	107.63	110.53
31	1	616	II0	C32-C30-C26	-3.25	117.53	126.61
29	A	840	CLA	CMB-C2B-C1B	-3.24	120.48	125.42
33	K	104	IHT	C19-C10-C07	-3.24	120.94	124.48
29	7	312	CLA	O2D-CGD-O1D	-3.24	117.53	123.85
29	B	825	CLA	O2D-CGD-O1D	-3.24	117.54	123.85
29	d	605	CLA	C3B-C4B-NB	-3.24	107.64	110.53
29	O	203	CLA	C3B-C4B-NB	-3.24	107.64	110.53
29	B	809	CLA	O2D-CGD-O1D	-3.24	117.55	123.85
29	A	833	CLA	C3B-C4B-NB	-3.24	107.64	110.53
30	4	605	KC2	CHD-C1D-ND	3.23	128.90	124.05
29	B	828	CLA	O2D-CGD-O1D	-3.23	117.56	123.85
29	A	855	CLA	C3B-C4B-NB	-3.23	107.65	110.53
30	7	313	KC2	CHD-C1D-ND	3.23	128.89	124.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	c	621	II0	C20-C14-C12	3.23	120.35	114.42
30	e	605	KC2	CHC-C4B-C3B	-3.22	119.78	125.21
29	B	822	CLA	O2D-CGD-O1D	-3.22	117.58	123.85
29	5	612	CLA	O2D-CGD-O1D	-3.22	117.58	123.85
29	2	602	CLA	O2D-CGD-O1D	-3.22	117.59	123.85
31	b	612	II0	C41-C39-C35	-3.21	122.77	127.28
32	b	613	II3	C41-C40-C38	-3.21	122.77	127.28
30	4	605	KC2	CHC-C4B-C3B	-3.21	119.80	125.21
30	b	609	KC2	CHC-C4B-C3B	-3.21	119.80	125.21
29	b	603	CLA	O2D-CGD-O1D	-3.21	117.61	123.85
37	B	848	8CT	C01-C02-C07	3.21	120.43	113.60
29	B	816	CLA	O2D-CGD-O1D	-3.21	117.61	123.85
29	L	203	CLA	O2D-CGD-O1D	-3.21	117.61	123.85
29	A	837	CLA	O2D-CGD-O1D	-3.21	117.61	123.85
29	B	810	CLA	C3B-C4B-NB	-3.20	107.67	110.53
30	b	605	KC2	CHC-C4B-C3B	-3.20	119.81	125.21
29	1	607	CLA	O2D-CGD-O1D	-3.20	117.61	123.85
29	A	805	CLA	C3B-C4B-NB	-3.20	107.67	110.53
37	L	205	8CT	C01-C02-C07	3.20	120.41	113.60
29	d	604	CLA	C3B-C4B-NB	-3.20	107.68	110.53
30	c	610	KC2	CHD-C1D-ND	3.19	128.84	124.05
37	Z	307	8CT	C04-C03-C02	-3.19	118.27	122.64
29	R	202	CLA	C1-C2-C3	-3.19	120.97	126.20
37	A	846	8CT	C11-C10-C03	-3.19	118.47	127.00
29	B	832	CLA	O2D-CGD-O1D	-3.19	117.64	123.85
33	8	309	IHT	C22-C18-C07	-3.18	118.49	127.00
37	M	101	8CT	C01-C02-C03	-3.18	121.01	124.48
29	3	302	CLA	C3B-C4B-NB	-3.18	107.69	110.53
29	2	607	CLA	C3B-C4B-NB	-3.18	107.69	110.53
37	L	205	8CT	C18-C17-C16	-3.18	122.82	127.28
29	5	611	CLA	O2D-CGD-O1D	-3.18	117.66	123.85
30	7	313	KC2	CHB-C1B-C2B	-3.18	118.88	125.49
36	B	850	SQD	O5-C5-C4	3.18	115.42	109.70
29	c	609	CLA	O2D-CGD-O1D	-3.17	117.67	123.85
37	B	843	8CT	C29-C28-C26	-3.17	119.50	126.32
29	B	837	CLA	O2D-CGD-O1D	-3.17	117.67	123.85
29	A	835	CLA	O2D-CGD-O1D	-3.17	117.68	123.85
29	B	818	CLA	O2D-CGD-O1D	-3.17	117.68	123.85
29	a	605	CLA	C3B-C4B-NB	-3.17	107.70	110.53
37	A	845	8CT	C14-C13-C12	-3.17	122.83	127.28
29	B	805	CLA	O2D-CGD-O1D	-3.17	117.69	123.85
31	5	617	II0	C42-C40-C36	-3.16	122.84	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
37	4	616	8CT	C22-C21-C20	-3.16	117.69	122.82
29	B	812	CLA	O2D-CGD-O1D	-3.16	117.69	123.85
30	5	610	KC2	O1D-CGD-CBD	-3.16	118.28	124.52
33	a	616	IHT	C02-C07-C10	-3.16	118.32	122.64
35	2	618	LMG	O1-C7-C8	-3.16	103.13	110.82
31	5	620	II0	C19-C13-C11	3.16	120.23	114.42
29	A	812	CLA	C3B-C4B-NB	-3.16	107.71	110.53
29	B	817	CLA	C3B-C4B-NB	-3.16	107.71	110.53
29	8	303	CLA	C3B-C4B-NB	-3.16	107.71	110.53
33	c	620	IHT	C30-C27-C23	-3.16	122.85	127.28
30	9	311	KC2	CHD-C1D-ND	3.16	128.78	124.05
29	O	202	CLA	O2D-CGD-O1D	-3.15	117.72	123.85
33	1	618	IHT	C19-C10-C09	3.14	120.30	113.60
29	A	825	CLA	O2D-CGD-O1D	-3.14	117.73	123.85
29	4	610	CLA	O2D-CGD-O1D	-3.14	117.73	123.85
30	c	611	KC2	CHB-C1B-C2B	-3.14	118.96	125.49
29	2	601	CLA	O2D-CGD-O1D	-3.14	117.74	123.85
29	A	804	CLA	O2D-CGD-O1D	-3.14	117.74	123.85
29	d	605	CLA	O2D-CGD-O1D	-3.14	117.74	123.85
29	A	836	CLA	O2D-CGD-O1D	-3.14	117.74	123.85
31	4	615	II0	C31-C33-C35	-3.14	117.76	126.36
37	A	846	8CT	C04-C03-C02	-3.14	118.35	122.64
37	K	103	8CT	C11-C10-C03	-3.14	118.62	127.00
37	B	847	8CT	C18-C17-C16	-3.14	122.88	127.28
29	B	817	CLA	O2D-CGD-O1D	-3.13	117.75	123.85
32	8	312	II3	C34-C31-C28	-3.13	117.84	126.61
30	6	610	KC2	C1D-ND-C4D	3.13	108.51	106.31
29	L	202	CLA	O2D-CGD-O1D	-3.13	117.75	123.85
37	A	845	8CT	C13-C14-C15	-3.13	114.13	123.20
29	A	823	CLA	C3B-C4B-NB	-3.13	107.74	110.53
29	A	805	CLA	O2D-CGD-O1D	-3.13	117.76	123.85
31	c	618	II0	C41-C39-C35	-3.13	122.89	127.28
37	J	104	8CT	C11-C10-C03	-3.13	118.65	127.00
30	2	610	KC2	C1D-ND-C4D	3.12	108.50	106.31
30	b	605	KC2	C1D-ND-C4D	3.12	108.50	106.31
29	c	615	CLA	O2D-CGD-O1D	-3.12	117.77	123.85
36	3	322	SQD	O9-S-C6	3.12	111.42	106.76
37	K	103	8CT	C13-C14-C15	-3.12	114.15	123.20
37	M	101	8CT	C01-C02-C07	3.12	120.25	113.60
29	L	201	CLA	O2D-CGD-O1D	-3.12	117.77	123.85
36	O	207	SQD	O48-C23-C24	3.12	120.63	111.15
37	M	101	8CT	C24-C25-C26	-3.12	122.90	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	6	607	CLA	C3B-C4B-NB	-3.12	107.75	110.53
37	J	104	8CT	C35-C30-C29	-3.12	109.24	112.83
37	I	101	8CT	C13-C14-C15	-3.12	114.16	123.20
31	d	613	II0	C41-C39-C35	-3.12	122.90	127.28
29	J	103	CLA	C3B-C4B-NB	-3.12	107.75	110.53
29	A	802	CLA	O2D-CGD-O1D	-3.12	117.78	123.85
29	5	613	CLA	C3B-C4B-NB	-3.12	107.75	110.53
29	A	843	CLA	O2D-CGD-O1D	-3.11	117.79	123.85
37	B	846	8CT	C35-C30-C29	-3.11	109.25	112.83
37	b	615	8CT	C27-C26-C25	-3.11	117.77	122.82
34	L	207	LHG	O8-C23-C24	3.11	121.32	111.83
30	c	614	KC2	CHB-C1B-C2B	-3.11	119.02	125.49
31	1	616	II0	C31-C29-C25	-3.11	117.91	126.61
37	R	203	8CT	C11-C10-C03	-3.11	118.69	127.00
29	7	303	CLA	O2D-CGD-O1D	-3.11	117.79	123.85
29	A	822	CLA	C3B-C4B-NB	-3.11	107.75	110.53
37	B	847	8CT	C25-C24-C23	-3.11	114.20	123.20
29	5	607	CLA	O2D-CGD-O1D	-3.10	117.81	123.85
29	b	602	CLA	O2D-CGD-O1D	-3.10	117.81	123.85
31	2	615	II0	C42-C41-C39	-3.10	117.17	123.52
29	5	604	CLA	O2D-CGD-O1D	-3.10	117.81	123.85
29	a	606	CLA	O2D-CGD-O1D	-3.10	117.81	123.85
31	a	613	II0	C42-C41-C39	-3.10	117.18	123.52
33	5	618	IHT	C41-C40-C37	-3.10	117.18	123.52
29	B	831	CLA	O2D-CGD-O1D	-3.10	117.82	123.85
29	2	612	CLA	O2D-CGD-O1D	-3.10	117.82	123.85
32	b	613	II3	C03-C04-C12	-3.10	109.27	112.83
29	A	853	CLA	O2D-CGD-O1D	-3.10	117.82	123.85
29	c	602	CLA	C3B-C4B-NB	-3.10	107.77	110.53
29	A	840	CLA	C3B-C4B-NB	-3.09	107.77	110.53
33	6	616	IHT	C40-C37-C33	-3.09	122.94	127.28
31	5	615	II0	C20-C14-C12	3.09	120.11	114.42
29	1	611	CLA	O2D-CGD-O1D	-3.09	117.83	123.85
29	4	603	CLA	O2D-CGD-O1D	-3.09	117.83	123.85
33	8	309	IHT	C19-C10-C09	3.09	120.18	113.60
29	a	603	CLA	O2D-CGD-O1D	-3.09	117.84	123.85
29	e	606	CLA	O2D-CGD-O1D	-3.09	117.84	123.85
33	Z	301	IHT	C19-C10-C09	3.09	120.18	113.60
29	A	839	CLA	C3B-C4B-NB	-3.09	107.78	110.53
29	4	608	CLA	O2D-CGD-O1D	-3.08	117.84	123.85
29	A	836	CLA	C3B-C4B-NB	-3.08	107.78	110.53
29	c	615	CLA	C3B-C4B-NB	-3.08	107.78	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	B	838	CLA	O2D-CGD-O1D	-3.08	117.85	123.85
30	5	610	KC2	C1D-ND-C4D	3.08	108.47	106.31
37	A	845	8CT	C04-C03-C02	-3.08	118.43	122.64
29	L	201	CLA	C3B-C4B-NB	-3.08	107.78	110.53
37	A	845	8CT	C29-C28-C26	-3.08	119.70	126.32
37	B	851	8CT	C05-C04-C03	3.08	114.91	110.44
29	A	839	CLA	O2D-CGD-O1D	-3.08	117.86	123.85
37	L	205	8CT	C35-C30-C29	-3.07	109.29	112.83
33	K	104	IHT	C18-C22-C23	-3.07	121.69	126.23
29	A	829	CLA	O2D-CGD-O1D	-3.07	117.87	123.85
29	a	602	CLA	O2D-CGD-O1D	-3.07	117.87	123.85
29	A	809	CLA	O2D-CGD-O1D	-3.07	117.87	123.85
29	7	305	CLA	C3B-C4B-NB	-3.07	107.79	110.53
29	1	613	CLA	O2D-CGD-O1D	-3.07	117.87	123.85
29	A	817	CLA	O2D-CGD-O1D	-3.07	117.87	123.85
29	A	829	CLA	C3B-C4B-NB	-3.07	107.79	110.53
29	B	819	CLA	C3B-C4B-NB	-3.07	107.79	110.53
37	K	103	8CT	C24-C25-C26	-3.07	122.98	127.28
29	c	604	CLA	O2D-CGD-O1D	-3.07	117.88	123.85
30	1	610	KC2	C1A-NA-C4A	-3.06	105.28	106.68
40	A	849	PQN	C11-C3-C2	-3.06	119.64	124.89
29	d	601	CLA	O2D-CGD-O1D	-3.06	117.89	123.85
29	Z	302	CLA	O2D-CGD-O1D	-3.06	117.89	123.85
31	5	620	II0	C31-C33-C35	-3.06	117.97	126.36
29	3	312	CLA	C3B-C4B-NB	-3.06	107.80	110.53
29	4	608	CLA	C3B-C4B-NB	-3.06	107.80	110.53
31	5	617	II0	C32-C34-C36	-3.06	117.97	126.36
29	B	838	CLA	C3B-C4B-NB	-3.06	107.80	110.53
29	2	602	CLA	C1-C2-C3	-3.06	121.19	126.20
29	A	834	CLA	C3B-C4B-NB	-3.06	107.80	110.53
37	Z	308	8CT	C04-C03-C02	-3.06	118.46	122.64
29	A	818	CLA	O2D-CGD-O1D	-3.06	117.90	123.85
37	4	616	8CT	C15-C16-C17	3.05	123.81	119.01
29	9	310	CLA	O2D-CGD-O1D	-3.05	117.90	123.85
29	c	608	CLA	O2D-CGD-O1D	-3.05	117.91	123.85
37	J	104	8CT	C19-C18-C17	-3.05	117.28	123.52
29	B	840	CLA	O2D-CGD-O1D	-3.05	117.92	123.85
29	3	308	CLA	C3B-C4B-NB	-3.05	107.81	110.53
37	I	101	8CT	C24-C23-C21	-3.05	118.01	126.36
29	d	609	CLA	O2D-CGD-O1D	-3.05	117.92	123.85
33	K	104	IHT	C31-C34-C35	-3.05	118.01	126.36
29	a	609	CLA	C3B-C4B-NB	-3.04	107.81	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
37	Z	308	8CT	C14-C13-C12	-3.04	123.01	127.28
31	1	620	II0	C20-C14-C12	3.04	120.02	114.42
29	7	303	CLA	C3B-C4B-NB	-3.04	107.81	110.53
29	3	306	CLA	C3B-C4B-NB	-3.04	107.81	110.53
29	6	602	CLA	C3B-C4B-NB	-3.04	107.81	110.53
29	B	820	CLA	C3B-C4B-NB	-3.04	107.81	110.53
29	A	840	CLA	C1-C2-C3	-3.04	121.22	126.20
37	A	847	8CT	C14-C15-C16	-3.04	118.03	126.36
29	7	302	CLA	O2D-CGD-O1D	-3.04	117.93	123.85
29	A	806	CLA	O2D-CGD-O1D	-3.04	117.93	123.85
29	4	602	CLA	C3B-C4B-NB	-3.04	107.82	110.53
29	b	601	CLA	O2D-CGD-O1D	-3.04	117.94	123.85
31	7	317	II0	C41-C39-C35	-3.04	123.02	127.28
29	B	826	CLA	O2D-CGD-O1D	-3.03	117.94	123.85
29	2	607	CLA	O2D-CGD-O1D	-3.03	117.95	123.85
29	2	604	CLA	O2D-CGD-O1D	-3.03	117.95	123.85
33	8	309	IHT	C41-C40-C37	-3.03	117.32	123.52
29	a	605	CLA	O2D-CGD-O1D	-3.03	117.95	123.85
29	c	612	CLA	O2D-CGD-O1D	-3.03	117.95	123.85
38	B	849	DGD	O6D-C1D-O3G	-3.03	102.88	110.04
37	Z	308	8CT	C30-C31-C32	-3.03	117.74	121.47
37	B	845	8CT	C25-C24-C23	-3.03	114.42	123.20
29	7	306	CLA	C3B-C4B-NB	-3.03	107.83	110.53
29	1	608	CLA	O2D-CGD-O1D	-3.03	117.96	123.85
29	a	609	CLA	O2D-CGD-O1D	-3.03	117.96	123.85
29	9	302	CLA	O2D-CGD-O1D	-3.03	117.96	123.85
37	B	846	8CT	C29-C28-C26	-3.03	119.81	126.32
29	O	204	CLA	O2D-CGD-O1D	-3.02	117.96	123.85
37	B	844	8CT	C05-C04-C03	3.02	114.83	110.44
29	A	841	CLA	C3B-C4B-NB	-3.02	107.83	110.53
29	9	309	CLA	O2D-CGD-O1D	-3.02	117.97	123.85
37	B	845	8CT	C11-C10-C03	-3.02	118.93	127.00
30	a	610	KC2	C1D-ND-C4D	3.02	108.43	106.31
36	9	301	SQD	O48-C23-C24	3.02	120.31	111.15
30	Z	306	KC2	C1D-ND-C4D	3.02	108.43	106.31
29	A	801	CLA	O2D-CGD-O1D	-3.02	117.98	123.85
29	B	841	CLA	O2D-CGD-O1D	-3.02	117.98	123.85
29	3	310	CLA	O2D-CGD-O1D	-3.01	117.98	123.85
29	2	603	CLA	O2D-CGD-O1D	-3.01	117.99	123.85
29	e	608	CLA	C3B-C4B-NB	-3.01	107.84	110.53
29	a	607	CLA	O2D-CGD-O1D	-3.01	118.00	123.85
29	1	602	CLA	O2D-CGD-O1D	-3.01	118.00	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	c	609	CLA	C3B-C4B-NB	-3.00	107.85	110.53
37	Z	307	8CT	C14-C13-C12	-3.00	123.07	127.28
33	2	616	IHT	C19-C10-C07	-3.00	121.21	124.48
29	3	302	CLA	O2D-CGD-O1D	-3.00	118.01	123.85
29	5	602	CLA	O2D-CGD-O1D	-3.00	118.01	123.85
33	d	617	IHT	C19-C10-C09	3.00	119.99	113.60
31	J	102	II0	C32-C34-C36	-3.00	118.14	126.36
31	6	614	II0	C42-C40-C36	-3.00	123.07	127.28
29	e	603	CLA	O2D-CGD-O1D	-3.00	118.01	123.85
33	2	616	IHT	C22-C18-C07	-3.00	118.99	127.00
37	B	852	8CT	C35-C30-C29	-3.00	109.38	112.83
29	2	608	CLA	O2D-CGD-O1D	-2.99	118.02	123.85
31	5	617	II0	C19-C13-C09	-2.99	118.56	124.16
29	b	608	CLA	C3B-C4B-NB	-2.99	107.86	110.53
29	c	606	CLA	C3B-C4B-NB	-2.99	107.86	110.53
29	B	814	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
37	F	203	8CT	C25-C24-C23	-2.99	114.53	123.20
29	e	602	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
29	4	602	CLA	O2D-CGD-O1D	-2.99	118.04	123.85
29	1	613	CLA	C3B-C4B-NB	-2.99	107.86	110.53
31	7	301	II0	C32-C30-C26	-2.99	118.26	126.61
37	B	847	8CT	C19-C18-C17	-2.98	117.41	123.52
29	a	604	CLA	O2D-CGD-O1D	-2.98	118.04	123.85
29	e	601	CLA	C3B-C4B-NB	-2.98	107.87	110.53
29	a	604	CLA	O2A-CGA-O1A	-2.98	116.17	123.63
35	Z	310	LMG	O6-C5-C4	2.98	115.07	109.70
29	A	816	CLA	O2D-CGD-O1D	-2.98	118.04	123.85
29	B	819	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
29	X	301	CLA	C3B-C4B-NB	-2.98	107.87	110.53
29	d	606	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
29	B	832	CLA	CAA-CBA-CGA	-2.98	104.75	113.21
29	A	801	CLA	C3B-C4B-NB	-2.98	107.87	110.53
29	K	102	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
31	c	621	II0	C42-C41-C39	-2.98	117.43	123.52
29	d	602	CLA	C3B-C4B-NB	-2.98	107.87	110.53
31	5	614	II0	C08-C12-C14	-2.98	104.77	112.18
29	9	308	CLA	O2D-CGD-O1D	-2.98	118.06	123.85
29	7	308	CLA	O2D-CGD-O1D	-2.98	118.06	123.85
29	A	834	CLA	O2D-CGD-O1D	-2.98	118.06	123.85
29	e	608	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
29	5	609	CLA	CAA-C2A-C3A	-2.97	109.41	116.23
29	A	822	CLA	O2D-CGD-O1D	-2.97	118.06	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
37	R	203	8CT	C01-C02-C07	2.97	119.94	113.60
29	B	824	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
30	c	614	KC2	CHC-C4B-C3B	-2.97	120.20	125.21
29	B	808	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
29	1	607	CLA	C3B-C4B-NB	-2.97	107.88	110.53
30	1	610	KC2	C1D-ND-C4D	2.97	108.40	106.31
30	6	613	KC2	C1D-ND-C4D	2.97	108.40	106.31
29	b	608	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
29	B	827	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
29	B	808	CLA	O2A-CGA-O1A	-2.97	116.20	123.63
29	B	823	CLA	C3B-C4B-NB	-2.97	107.88	110.53
29	A	833	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
37	Z	307	8CT	C11-C10-C03	-2.97	119.07	127.00
31	c	619	II0	C41-C42-C40	-2.97	117.45	123.52
29	2	609	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
29	c	607	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
29	e	611	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
30	b	609	KC2	C1D-ND-C4D	2.97	108.39	106.31
30	e	605	KC2	C1D-ND-C4D	2.97	108.39	106.31
37	A	845	8CT	C01-C02-C07	2.97	119.92	113.60
29	4	609	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
29	B	811	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
29	A	808	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
31	7	316	II0	C31-C29-C25	-2.96	118.32	126.61
29	1	604	CLA	C3B-C4B-NB	-2.96	107.89	110.53
29	5	602	CLA	C3B-C4B-NB	-2.96	107.89	110.53
29	7	304	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
29	B	835	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
29	2	612	CLA	C3B-C4B-NB	-2.96	107.89	110.53
29	B	807	CLA	O2D-CGD-CBD	2.96	116.41	111.23
29	A	831	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
37	A	846	8CT	C13-C14-C15	-2.96	114.63	123.20
37	B	846	8CT	C14-C13-C12	-2.96	123.13	127.28
29	A	807	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
31	7	301	II0	C42-C40-C36	-2.96	123.13	127.28
29	9	312	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
30	4	605	KC2	C1D-ND-C4D	2.96	108.39	106.31
29	A	838	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
29	8	306	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
29	2	602	CLA	C3B-C4B-NB	-2.95	107.89	110.53
29	9	308	CLA	C3B-C4B-NB	-2.95	107.89	110.53
34	a	617	LHG	O8-C23-C24	2.95	120.11	111.15

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	B	833	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
29	d	602	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
32	8	312	II3	C41-C39-C36	-2.95	117.49	123.52
29	a	611	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
29	d	611	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
31	5	617	II0	C19-C13-C11	2.95	119.84	114.42
37	B	852	8CT	C18-C19-C20	-2.95	117.49	123.52
29	O	202	CLA	C3B-C4B-NB	-2.95	107.90	110.53
37	A	844	8CT	C13-C14-C15	-2.94	114.67	123.20
29	A	854	CLA	CHB-C4A-NA	2.94	128.65	124.40
29	O	203	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
30	2	610	KC2	O1D-CGD-CBD	-2.94	118.72	124.52
37	b	615	8CT	C23-C21-C20	2.94	123.64	119.01
31	8	313	II0	C41-C39-C35	-2.94	123.16	127.28
33	8	309	IHT	C06-C09-C10	-2.94	108.81	114.06
29	A	819	CLA	C3B-C4B-NB	-2.94	107.91	110.53
29	3	311	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
29	4	607	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
29	c	605	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
31	9	323	II0	C31-C33-C35	-2.94	118.31	126.36
29	8	305	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
29	Z	303	CLA	C3B-C4B-NB	-2.94	107.91	110.53
29	6	604	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
36	3	320	SQD	O7-S-C6	2.93	111.14	106.76
29	B	820	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
29	R	202	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
29	5	601	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
33	2	616	IHT	C31-C34-C35	-2.93	118.33	126.36
31	e	612	II0	C32-C34-C36	-2.93	118.34	126.36
29	e	604	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
31	e	615	II0	C31-C33-C35	-2.92	118.34	126.36
29	7	305	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
29	A	811	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
29	5	605	CLA	C3B-C4B-NB	-2.92	107.92	110.53
29	L	202	CLA	C3B-C4B-NB	-2.92	107.92	110.53
31	5	615	II0	C08-C12-C14	-2.92	104.90	112.18
33	1	618	IHT	C30-C32-C33	-2.92	118.35	126.36
29	6	605	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
29	2	601	CLA	C3B-C4B-NB	-2.92	107.92	110.53
29	A	816	CLA	C3B-C4B-NB	-2.92	107.92	110.53
37	B	851	8CT	C35-C30-C29	-2.92	109.47	112.83
29	b	604	CLA	O2D-CGD-O1D	-2.92	118.17	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	8	303	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
29	A	842	CLA	CAA-C2A-C3A	-2.92	105.11	113.00
29	d	609	CLA	C3B-C4B-NB	-2.92	107.93	110.53
37	B	851	8CT	C30-C31-C32	-2.92	117.88	121.47
29	3	313	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
29	7	309	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
29	A	809	CLA	C3B-C4B-NB	-2.92	107.93	110.53
29	8	308	CLA	C3B-C4B-NB	-2.91	107.93	110.53
29	b	601	CLA	C3B-C4B-NB	-2.91	107.93	110.53
36	3	320	SQD	O9-S-C6	2.91	111.11	106.76
36	7	321	SQD	O7-S-C6	2.91	111.11	106.76
29	Z	302	CLA	C3B-C4B-NB	-2.91	107.93	110.53
30	9	311	KC2	C1D-ND-C4D	2.91	108.35	106.31
29	A	842	CLA	CHB-C4A-NA	2.91	128.59	124.40
37	b	615	8CT	C22-C21-C20	-2.91	118.11	122.82
33	L	204	IHT	C27-C30-C32	-2.90	114.78	123.20
29	d	607	CLA	O2D-CGD-O1D	-2.90	118.19	123.85
29	c	601	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
29	d	612	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
31	b	614	II0	C31-C33-C35	-2.90	118.40	126.36
29	c	605	CLA	C3B-C4B-NB	-2.90	107.94	110.53
33	a	616	IHT	C02-C07-C18	2.90	123.52	115.65
29	b	607	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
29	1	609	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
29	A	819	CLA	C3A-C2A-C1A	2.90	105.68	101.34
29	a	604	CLA	C3B-C4B-NB	-2.90	107.94	110.53
30	7	310	KC2	C1D-ND-C4D	2.90	108.34	106.31
29	1	609	CLA	C3B-C4B-NB	-2.90	107.94	110.53
29	9	307	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
29	B	813	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
29	9	304	CLA	O2D-CGD-O1D	-2.89	118.21	123.85
29	B	821	CLA	O2D-CGD-O1D	-2.89	118.21	123.85
29	6	603	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
37	K	103	8CT	C25-C24-C23	-2.89	114.81	123.20
29	b	610	CLA	C3B-C4B-NB	-2.89	107.95	110.53
29	8	307	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
37	A	846	8CT	C27-C26-C28	2.89	122.50	118.09
29	Z	305	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
29	d	603	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
37	7	318	8CT	C23-C21-C20	2.89	123.55	119.01
34	Z	309	LHG	O8-C23-C24	2.89	120.64	111.83
31	1	620	II0	C32-C34-C36	-2.89	118.45	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	B	803	CLA	C3B-C4B-NB	-2.89	107.95	110.53
30	7	313	KC2	C1D-ND-C4D	2.89	108.34	106.31
35	6	617	LMG	O6-C1-O1	-2.88	103.23	110.04
37	A	846	8CT	C18-C19-C20	-2.88	117.62	123.52
37	K	103	8CT	C18-C19-C20	-2.88	117.62	123.52
30	4	605	KC2	C1A-NA-C4A	-2.88	105.36	106.68
29	9	315	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
29	2	605	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
34	8	316	LHG	O8-C23-C24	2.88	120.62	111.83
29	2	611	CLA	C3B-C4B-NB	-2.88	107.96	110.53
40	A	849	PQN	C12-C11-C3	-2.88	104.99	112.08
37	F	203	8CT	C27-C26-C28	2.88	122.48	118.09
30	e	605	KC2	C1A-NA-C4A	-2.88	105.37	106.68
29	6	609	CLA	C3B-C4B-NB	-2.88	107.96	110.53
29	A	824	CLA	C3B-C4B-NB	-2.88	107.96	110.53
37	A	845	8CT	C19-C18-C17	-2.88	117.63	123.52
29	b	606	CLA	C1-C2-C3	-2.88	121.48	126.20
31	1	617	II0	C31-C29-C25	-2.88	118.57	126.61
29	B	826	CLA	C3B-C4B-NB	-2.88	107.96	110.53
29	9	314	CLA	O2D-CGD-O1D	-2.87	118.25	123.85
29	8	301	CLA	C3B-C4B-NB	-2.87	107.96	110.53
29	4	604	CLA	O2D-CGD-O1D	-2.87	118.25	123.85
29	1	601	CLA	O2D-CGD-O1D	-2.87	118.25	123.85
29	3	309	CLA	O2D-CGD-O1D	-2.87	118.25	123.85
29	9	310	CLA	C3B-C4B-NB	-2.87	107.97	110.53
29	6	601	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
29	b	611	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
29	1	601	CLA	C3B-C4B-NB	-2.87	107.97	110.53
29	2	606	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
29	A	811	CLA	C3B-C4B-NB	-2.87	107.97	110.53
29	6	601	CLA	C3B-C4B-NB	-2.87	107.97	110.53
29	9	303	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
34	3	321	LHG	O8-C23-C24	2.87	120.58	111.83
30	c	614	KC2	CHD-C1D-ND	2.87	128.35	124.05
31	7	301	II0	C32-C34-C36	-2.87	118.50	126.36
29	Z	303	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
29	9	310	CLA	CAA-C2A-C3A	-2.87	109.66	116.23
29	1	612	CLA	C3B-C4B-NB	-2.87	107.97	110.53
29	2	609	CLA	C3B-C4B-NB	-2.87	107.97	110.53
31	d	615	II0	C42-C41-C39	-2.87	117.66	123.52
29	F	202	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
37	M	101	8CT	C35-C30-C29	-2.86	109.53	112.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	4	606	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
29	R	202	CLA	O2A-CGA-O1A	-2.86	116.47	123.63
29	9	315	CLA	C3B-C4B-NB	-2.86	107.97	110.53
29	c	607	CLA	C3B-C4B-NB	-2.86	107.97	110.53
33	Z	301	IHT	C02-C07-C10	-2.86	118.73	122.64
29	B	836	CLA	CHB-C4A-NA	2.86	128.53	124.40
37	R	203	8CT	C04-C03-C02	-2.86	118.73	122.64
29	3	306	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
29	3	304	CLA	C3B-C4B-NB	-2.86	107.98	110.53
29	B	815	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
37	R	203	8CT	C35-C30-C29	-2.86	109.54	112.83
34	L	208	LHG	O8-C23-C24	2.86	120.54	111.83
29	c	606	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
29	7	309	CLA	C3B-C4B-NB	-2.85	107.98	110.53
29	B	804	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
29	7	307	CLA	C3B-C4B-NB	-2.85	107.98	110.53
29	2	604	CLA	C3B-C4B-NB	-2.85	107.98	110.53
34	4	617	LHG	O8-C23-C24	2.85	120.53	111.83
37	4	616	8CT	C39-C16-C17	-2.85	118.20	122.82
29	b	602	CLA	C3B-C4B-NB	-2.85	107.99	110.53
29	B	830	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
29	B	832	CLA	C1-C2-C3	-2.85	121.53	126.20
34	7	319	LHG	O8-C23-C24	2.85	120.52	111.83
29	F	202	CLA	C3B-C4B-NB	-2.85	107.99	110.53
29	a	607	CLA	C3B-C4B-NB	-2.85	107.99	110.53
29	c	612	CLA	C3B-C4B-NB	-2.85	107.99	110.53
37	I	101	8CT	C18-C17-C16	-2.85	123.28	127.28
37	R	203	8CT	C06-C07-C02	-2.85	108.98	114.06
37	K	103	8CT	C18-C17-C16	-2.85	123.29	127.28
29	2	606	CLA	C3B-C4B-NB	-2.85	107.99	110.53
29	3	303	CLA	C3B-C4B-NB	-2.85	107.99	110.53
36	7	321	SQD	O48-C23-C24	2.84	120.51	111.83
32	e	613	II3	C22-C18-C17	2.84	119.65	114.42
29	e	601	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
29	e	607	CLA	C3B-C4B-NB	-2.84	107.99	110.53
31	c	617	II0	C03-C05-C07	-2.84	107.36	113.59
29	9	314	CLA	C3B-C4B-NB	-2.84	107.99	110.53
29	B	806	CLA	C3B-C4B-NB	-2.84	107.99	110.53
31	4	615	II0	C31-C29-C25	-2.84	118.66	126.61
29	A	854	CLA	C3B-C4B-NB	-2.84	107.99	110.53
29	6	608	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
29	9	313	CLA	O2D-CGD-O1D	-2.84	118.32	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	c	601	CLA	C3B-C4B-NB	-2.84	108.00	110.53
29	a	601	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
37	J	104	8CT	C04-C03-C02	-2.84	118.76	122.64
29	e	607	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
29	8	304	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
29	K	101	CLA	C1-C2-C3	-2.84	121.55	126.20
34	8	315	LHG	O8-C23-C24	2.84	120.48	111.83
34	5	619	LHG	O8-C23-C24	2.83	120.48	111.83
37	B	852	8CT	C27-C26-C28	2.83	122.42	118.09
37	B	847	8CT	C29-C28-C26	-2.83	120.23	126.32
29	J	103	CLA	CAA-C2A-C3A	-2.83	109.74	116.23
31	9	319	II0	C32-C30-C26	-2.83	118.69	126.61
29	A	831	CLA	C3B-C4B-NB	-2.83	108.00	110.53
37	b	615	8CT	C39-C16-C17	-2.83	118.23	122.82
31	e	615	II0	C28-C26-C30	-2.83	118.69	124.18
30	e	609	KC2	C1D-ND-C4D	2.83	108.30	106.31
29	8	317	CLA	C3B-C4B-NB	-2.83	108.01	110.53
31	d	615	II0	C30-C32-C34	-2.83	115.01	123.20
31	b	614	II0	C28-C26-C30	-2.83	118.69	124.18
29	1	606	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
29	A	821	CLA	O2D-CGD-CBD	2.83	116.17	111.23
32	1	615	II3	C39-C41-C40	-2.83	117.74	123.52
37	B	845	8CT	C18-C19-C20	-2.83	117.74	123.52
29	6	605	CLA	C3B-C4B-NB	-2.82	108.01	110.53
29	a	608	CLA	C3B-C4B-NB	-2.82	108.01	110.53
36	9	301	SQD	O9-S-C6	2.82	110.97	106.76
29	5	609	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
32	8	312	II3	C04-C12-C21	-2.82	120.19	124.58
37	L	205	8CT	C11-C10-C03	-2.82	119.46	127.00
29	3	305	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
29	8	308	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
34	3	301	LHG	O8-C23-C24	2.82	120.44	111.83
29	6	608	CLA	C3B-C4B-NB	-2.82	108.01	110.53
29	6	611	CLA	C1-C2-C3	-2.82	121.58	126.20
37	7	318	8CT	C22-C21-C20	-2.82	118.25	122.82
31	5	616	II0	C32-C30-C26	-2.82	118.73	126.61
29	5	608	CLA	C3B-C4B-NB	-2.82	108.02	110.53
29	A	830	CLA	C3B-C4B-NB	-2.82	108.02	110.53
37	B	843	8CT	C01-C02-C07	2.82	119.60	113.60
29	B	832	CLA	CAA-C2A-C1A	-2.82	102.74	111.97
29	6	611	CLA	O2D-CGD-O1D	-2.82	118.37	123.85
29	b	610	CLA	O2D-CGD-O1D	-2.82	118.37	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	8	302	CLA	C3B-C4B-NB	-2.82	108.02	110.53
31	d	613	II0	C29-C31-C33	-2.81	115.05	123.20
29	B	839	CLA	C3B-C4B-NB	-2.81	108.02	110.53
34	J	101	LHG	O8-C23-C24	2.81	120.41	111.83
37	A	844	8CT	C01-C02-C07	2.81	119.59	113.60
31	a	615	II0	C30-C32-C34	-2.81	115.05	123.20
29	c	608	CLA	C3B-C4B-NB	-2.81	108.02	110.53
29	5	605	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
29	1	604	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
29	9	305	CLA	C3B-C4B-NB	-2.81	108.02	110.53
31	9	318	II0	C29-C31-C33	-2.81	115.06	123.20
37	B	844	8CT	C13-C14-C15	-2.81	115.06	123.20
31	8	310	II0	C41-C42-C40	-2.81	117.77	123.52
31	3	316	II0	C32-C30-C26	-2.81	118.76	126.61
29	1	606	CLA	C3B-C4B-NB	-2.81	108.02	110.53
29	A	855	CLA	C1-C2-C3	-2.81	121.60	126.20
30	d	610	KC2	O1D-CGD-CBD	-2.81	118.98	124.52
37	A	847	8CT	C29-C28-C26	-2.81	120.29	126.32
34	2	619	LHG	O8-C23-C24	2.80	120.39	111.83
29	X	301	CLA	O2D-CGD-O1D	-2.80	118.39	123.85
37	B	845	8CT	C24-C25-C26	-2.80	123.35	127.28
33	c	620	IHT	C27-C30-C32	-2.80	115.08	123.20
29	a	612	CLA	O2D-CGD-O1D	-2.80	118.39	123.85
35	F	204	LMG	O6-C1-O1	-2.80	103.42	110.04
29	8	302	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
33	c	620	IHT	C03-C05-C08	-2.80	107.46	113.59
34	5	621	LHG	O8-C23-C24	2.80	120.36	111.83
29	Z	304	CLA	O2D-CGD-O1D	-2.80	118.41	123.85
30	c	610	KC2	C1D-ND-C4D	2.80	108.27	106.31
33	Z	301	IHT	C20-C15-C12	2.80	119.56	114.42
37	L	205	8CT	C05-C04-C03	2.79	114.50	110.44
37	b	615	8CT	C15-C16-C17	2.79	123.40	119.01
29	2	605	CLA	CHB-C4A-NA	2.79	128.43	124.40
29	3	308	CLA	CHB-C4A-NA	2.79	128.43	124.40
29	9	306	CLA	C3B-C4B-NB	-2.79	108.04	110.53
29	b	611	CLA	C3B-C4B-NB	-2.79	108.04	110.53
29	8	317	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
29	9	302	CLA	C3B-C4B-NB	-2.79	108.04	110.53
31	J	102	II0	C20-C14-C10	-2.79	118.94	124.16
37	M	101	8CT	C14-C15-C16	-2.79	118.71	126.36
37	B	847	8CT	C04-C03-C02	-2.79	118.82	122.64
29	A	854	CLA	O2D-CGD-O1D	-2.79	118.42	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	d	604	CLA	O2D-CGD-O1D	-2.79	118.42	123.85
31	a	614	II0	C41-C42-C40	-2.79	117.82	123.52
29	a	601	CLA	C3B-C4B-NB	-2.79	108.04	110.53
29	5	608	CLA	O2D-CGD-O1D	-2.79	118.43	123.85
29	A	820	CLA	O2D-CGD-O1D	-2.79	118.43	123.85
29	A	803	CLA	O2D-CGD-O1D	-2.79	118.43	123.85
37	R	203	8CT	C27-C26-C28	2.78	122.34	118.09
40	B	842	PQN	C14-C13-C15	2.78	120.06	115.23
29	9	309	CLA	C3B-C4B-NB	-2.78	108.05	110.53
29	7	306	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
29	6	612	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
29	A	818	CLA	C3B-C4B-NB	-2.78	108.05	110.53
29	d	601	CLA	C3B-C4B-NB	-2.78	108.05	110.53
31	J	102	II0	C42-C41-C39	-2.78	117.83	123.52
29	1	612	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
29	A	815	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
31	8	310	II0	C32-C30-C26	-2.78	118.84	126.61
30	c	610	KC2	C1A-NA-C4A	-2.77	105.41	106.68
38	9	322	DGD	C3G-C2G-C1G	-2.77	105.32	111.78
29	A	814	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
30	c	610	KC2	O1D-CGD-CBD	-2.77	119.05	124.52
29	7	302	CLA	C3B-C4B-NB	-2.77	108.05	110.53
29	c	607	CLA	CHB-C4A-NA	2.77	128.40	124.40
37	Z	308	8CT	C27-C26-C28	2.77	122.32	118.09
29	6	607	CLA	O2D-CGD-O1D	-2.77	118.46	123.85
37	K	103	8CT	C06-C07-C02	-2.77	109.12	114.06
29	4	601	CLA	C3B-C4B-NB	-2.77	108.06	110.53
29	4	601	CLA	CMB-C2B-C1B	-2.77	121.20	125.42
37	B	847	8CT	C40-C12-C11	2.77	122.31	118.09
29	5	601	CLA	C3B-C4B-NB	-2.77	108.06	110.53
33	9	320	IHT	C04-C02-C07	-2.77	106.42	110.44
36	O	207	SQD	O7-S-C6	2.77	110.89	106.76
29	3	304	CLA	O2D-CGD-O1D	-2.77	118.47	123.85
31	a	619	II0	C31-C33-C35	-2.76	118.78	126.36
29	B	808	CLA	C3B-C4B-NB	-2.76	108.06	110.53
29	A	830	CLA	CMB-C2B-C1B	-2.76	121.21	125.42
29	e	603	CLA	C3B-C4B-NB	-2.76	108.06	110.53
33	2	616	IHT	C41-C40-C37	-2.76	117.87	123.52
34	c	622	LHG	O8-C23-C24	2.76	120.25	111.83
29	3	310	CLA	C3B-C4B-NB	-2.76	108.07	110.53
29	5	613	CLA	O2D-CGD-O1D	-2.76	118.48	123.85
37	Z	307	8CT	C13-C14-C15	-2.76	115.20	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	c	613	CLA	O2D-CGD-O1D	-2.76	118.48	123.85
34	B	801	LHG	O8-C23-C24	2.76	120.25	111.83
31	d	616	II0	C32-C34-C36	-2.76	118.80	126.36
34	4	619	LHG	O8-C23-C24	2.76	120.24	111.83
37	L	205	8CT	C25-C24-C23	-2.76	115.22	123.20
36	3	322	SQD	O48-C23-C24	2.76	120.24	111.83
34	4	620	LHG	O8-C23-C24	2.75	120.23	111.83
29	J	103	CLA	O2D-CGD-O1D	-2.75	118.49	123.85
37	F	203	8CT	C01-C02-C07	2.75	119.47	113.60
29	5	613	CLA	CAA-C2A-C3A	-2.75	109.91	116.23
33	1	618	IHT	C09-C10-C07	-2.75	118.98	122.70
29	5	603	CLA	O2D-CGD-O1D	-2.75	118.49	123.85
34	O	208	LHG	O8-C23-C24	2.75	120.22	111.83
30	2	610	KC2	C1A-NA-C4A	-2.75	105.42	106.68
29	A	853	CLA	CHB-C4A-NA	2.75	128.37	124.40
29	2	605	CLA	C3B-C4B-NB	-2.75	108.08	110.53
29	d	608	CLA	C3B-C4B-NB	-2.75	108.08	110.53
29	9	306	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
29	F	201	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
29	4	611	CLA	CHB-C4A-NA	2.74	128.36	124.40
29	9	303	CLA	C3B-C4B-NB	-2.74	108.08	110.53
29	9	305	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
30	d	610	KC2	C1D-ND-C4D	2.74	108.23	106.31
29	O	201	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
29	B	802	CLA	C3B-C4B-NB	-2.74	108.09	110.53
29	1	609	CLA	CAA-C2A-C3A	-2.74	109.95	116.23
31	6	615	II0	C20-C14-C12	2.74	119.45	114.42
29	4	604	CLA	C3B-C4B-NB	-2.74	108.09	110.53
30	9	311	KC2	C1A-NA-C4A	-2.74	105.43	106.68
34	a	617	LHG	C11-C10-C9	-2.74	100.54	114.37
29	7	307	CLA	CHB-C4A-NA	2.73	128.35	124.40
36	a	618	SQD	O48-C23-C24	2.73	120.17	111.83
31	3	318	II0	C42-C40-C36	-2.73	123.44	127.28
37	A	847	8CT	C24-C25-C26	-2.73	123.44	127.28
31	7	301	II0	C20-C14-C10	-2.73	119.05	124.16
34	Z	309	LHG	C11-C10-C9	-2.73	100.56	114.37
29	c	609	CLA	CAA-C2A-C3A	-2.73	109.97	116.23
29	4	610	CLA	C3B-C4B-NB	-2.73	108.09	110.53
32	e	613	II3	C39-C41-C40	-2.73	117.93	123.52
29	7	304	CLA	C3B-C4B-NB	-2.73	108.09	110.53
29	A	814	CLA	C3B-C4B-NB	-2.73	108.09	110.53
29	b	607	CLA	C3B-C4B-NB	-2.73	108.09	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	5	608	CLA	C1-C2-C3	-2.73	121.73	126.20
29	e	610	CLA	C3B-C4B-NB	-2.73	108.09	110.53
29	c	603	CLA	O2D-CGD-O1D	-2.73	118.54	123.85
29	B	804	CLA	CHB-C4A-NA	2.73	128.34	124.40
31	R	204	II0	C42-C40-C36	-2.73	123.45	127.28
29	8	301	CLA	O2D-CGD-O1D	-2.73	118.54	123.85
31	6	614	II0	C41-C42-C40	-2.73	117.94	123.52
31	e	615	II0	C41-C42-C40	-2.73	117.94	123.52
30	Z	306	KC2	C1A-NA-C4A	-2.72	105.44	106.68
29	A	835	CLA	CMB-C2B-C1B	-2.72	121.28	125.42
29	1	602	CLA	C3B-C4B-NB	-2.72	108.10	110.53
31	c	616	II0	C03-C05-C07	-2.72	107.63	113.59
29	4	601	CLA	O2D-CGD-O1D	-2.72	118.56	123.85
29	c	613	CLA	C3B-C4B-NB	-2.72	108.10	110.53
31	5	614	II0	C20-C14-C12	2.72	119.42	114.42
31	c	616	II0	C30-C32-C34	-2.72	115.33	123.20
37	7	318	8CT	C18-C19-C20	2.72	129.08	123.52
37	A	845	8CT	C10-C11-C12	-2.72	122.22	126.23
29	B	840	CLA	CMB-C2B-C1B	-2.72	121.28	125.42
30	c	611	KC2	O1D-CGD-CBD	-2.71	119.16	124.52
29	A	804	CLA	CHB-C4A-NA	2.71	128.32	124.40
37	e	616	8CT	C39-C16-C17	-2.71	118.42	122.82
33	L	204	IHT	C28-C26-C29	-2.71	118.91	124.18
31	R	201	II0	C03-C05-C07	-2.71	107.65	113.59
29	B	806	CLA	O2D-CGD-O1D	-2.71	118.57	123.85
29	A	817	CLA	C3B-C4B-NB	-2.71	108.11	110.53
29	b	606	CLA	CHB-C4A-NA	2.71	128.31	124.40
34	e	617	LHG	O8-C23-C24	2.71	120.10	111.83
29	2	609	CLA	CAA-C2A-C3A	-2.71	110.02	116.23
37	B	852	8CT	C11-C10-C03	-2.71	119.77	127.00
29	B	836	CLA	C3B-C4B-NB	-2.71	108.11	110.53
31	8	310	II0	C19-C13-C11	2.71	119.40	114.42
31	a	613	II0	C41-C39-C35	-2.71	123.48	127.28
29	5	604	CLA	CHB-C4A-NA	2.71	128.31	124.40
29	b	602	CLA	C1-C2-C3	-2.70	121.77	126.20
31	6	615	II0	C42-C41-C39	-2.70	117.99	123.52
33	K	104	IHT	C27-C30-C32	-2.70	115.37	123.20
29	6	604	CLA	C3B-C4B-NB	-2.70	108.12	110.53
29	d	611	CLA	C3B-C4B-NB	-2.70	108.12	110.53
29	5	606	CLA	C3B-C4B-NB	-2.70	108.12	110.53
33	1	618	IHT	C06-C09-C10	-2.70	109.24	114.06
29	d	609	CLA	CAA-C2A-C3A	-2.70	110.04	116.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	8	313	II0	C41-C42-C40	-2.70	118.00	123.52
37	B	852	8CT	C28-C26-C25	-2.70	114.76	119.01
31	9	316	II0	C42-C41-C39	-2.70	118.00	123.52
29	3	305	CLA	C3B-C4B-NB	-2.70	108.12	110.53
40	A	849	PQN	C11-C12-C13	-2.70	122.18	126.83
30	6	613	KC2	O1D-CGD-CBD	-2.70	119.20	124.52
29	B	839	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
31	7	314	II0	C42-C41-C39	-2.69	118.01	123.52
34	L	206	LHG	O8-C23-C24	2.69	120.04	111.83
29	A	812	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
29	1	603	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
29	4	611	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
30	6	610	KC2	C1A-NA-C4A	-2.69	105.45	106.68
29	B	823	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
31	c	616	II0	C41-C42-C40	-2.69	118.02	123.52
31	4	612	II0	C28-C26-C30	-2.69	118.96	124.18
31	3	316	II0	C20-C14-C10	-2.69	119.14	124.16
34	5	621	LHG	C5-O7-C7	-2.69	111.37	117.80
37	I	101	8CT	C30-C31-C32	-2.69	118.16	121.47
29	1	601	CLA	CHB-C4A-NA	2.69	128.28	124.40
36	B	850	SQD	O48-C23-C24	2.69	120.02	111.83
30	2	610	KC2	O2D-CGD-O1D	-2.69	118.62	123.85
37	B	847	8CT	C18-C19-C20	-2.69	118.03	123.52
31	5	620	II0	C31-C29-C25	-2.68	119.10	126.61
29	Z	304	CLA	C3B-C4B-NB	-2.68	108.13	110.53
29	e	610	CLA	O2D-CGD-O1D	-2.68	118.62	123.85
29	a	603	CLA	CHB-C4A-NA	2.68	128.27	124.40
29	B	834	CLA	O2D-CGD-O1D	-2.68	118.63	123.85
37	I	101	8CT	C01-C02-C07	2.68	119.31	113.60
29	B	840	CLA	C3B-C4B-NB	-2.68	108.14	110.53
31	2	615	II0	C32-C34-C36	-2.68	119.02	126.36
34	A	852	LHG	O8-C23-C24	2.68	120.00	111.83
34	M	102	LHG	O8-C23-C24	2.68	120.00	111.83
29	A	827	CLA	O2D-CGD-O1D	-2.68	118.64	123.85
33	5	618	IHT	C19-C10-C09	2.68	119.30	113.60
29	A	826	CLA	O2D-CGD-O1D	-2.67	118.64	123.85
29	c	606	CLA	C1-C2-C3	-2.67	121.82	126.20
29	5	609	CLA	CHB-C4A-NA	2.67	128.26	124.40
37	4	616	8CT	C19-C18-C17	2.67	128.99	123.52
29	B	835	CLA	CMB-C2B-C1B	-2.67	121.35	125.42
37	B	843	8CT	C30-C29-C28	-2.67	120.42	124.58
29	5	609	CLA	C3B-C4B-NB	-2.67	108.15	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	b	606	CLA	O2A-CGA-O1A	-2.67	116.95	123.63
29	a	603	CLA	C3B-C4B-NB	-2.67	108.15	110.53
31	9	317	II0	C27-C25-C29	-2.67	119.00	124.18
29	B	809	CLA	C3B-C4B-NB	-2.67	108.15	110.53
31	e	615	II0	C03-C05-C07	-2.67	107.74	113.59
29	4	607	CLA	C3B-C4B-NB	-2.67	108.15	110.53
37	K	103	8CT	C19-C18-C17	-2.67	118.06	123.52
37	B	845	8CT	C27-C26-C28	2.67	122.16	118.09
29	3	312	CLA	O2D-CGD-O1D	-2.67	118.66	123.85
33	a	616	IHT	C19-C10-C07	-2.67	121.58	124.48
29	9	315	CLA	CAA-C2A-C3A	-2.67	110.12	116.23
29	d	606	CLA	C3B-C4B-NB	-2.66	108.15	110.53
29	A	829	CLA	C1-C2-C3	-2.66	122.45	126.76
30	e	605	KC2	CHD-C4C-NC	2.66	128.32	124.31
37	F	203	8CT	C14-C15-C16	-2.66	119.06	126.36
29	4	609	CLA	CHB-C4A-NA	2.66	128.24	124.40
29	B	803	CLA	C1-C2-C3	-2.66	121.84	126.20
29	A	807	CLA	O2A-CGA-O1A	-2.66	116.97	123.63
36	3	320	SQD	O48-C23-C24	2.66	119.95	111.83
29	e	608	CLA	CAA-C2A-C3A	-2.66	110.13	116.23
35	8	314	LMG	O1-C1-C2	-2.66	104.23	108.27
29	A	813	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
29	A	840	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
29	8	307	CLA	C3B-C4B-NB	-2.66	108.16	110.53
37	B	843	8CT	C13-C14-C15	-2.66	115.50	123.20
29	b	603	CLA	C3B-C4B-NB	-2.66	108.16	110.53
31	1	616	II0	C19-C13-C09	-2.66	119.19	124.16
29	B	822	CLA	O2D-CGD-CBD	2.65	115.87	111.23
29	3	308	CLA	C1-C2-C3	-2.65	121.85	126.20
33	L	204	IHT	C30-C27-C23	-2.65	123.56	127.28
29	5	605	CLA	CHB-C4A-NA	2.65	128.23	124.40
29	e	611	CLA	C1-C2-C3	-2.65	121.85	126.20
31	9	319	II0	C04-C06-C08	-2.65	107.78	113.59
29	A	837	CLA	C3B-C4B-NB	-2.65	108.17	110.53
29	7	312	CLA	C1-C2-C3	-2.65	122.48	126.76
31	b	612	II0	C03-C05-C07	-2.65	107.78	113.59
29	c	605	CLA	CHB-C4A-NA	2.65	128.22	124.40
29	6	611	CLA	C3B-C4B-NB	-2.65	108.17	110.53
29	B	833	CLA	C3B-C4B-NB	-2.65	108.17	110.53
29	b	604	CLA	C3B-C4B-NB	-2.65	108.17	110.53
29	A	855	CLA	O2D-CGD-O1D	-2.65	118.70	123.85
29	A	835	CLA	CHB-C4A-NA	2.64	128.21	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	8	304	CLA	C3B-C4B-NB	-2.64	108.17	110.53
29	a	611	CLA	C3B-C4B-NB	-2.64	108.17	110.53
29	L	202	CLA	CHB-C4A-NA	2.64	128.21	124.40
32	b	613	II3	C26-C29-C32	-2.64	115.55	123.20
31	5	617	II0	C32-C30-C26	-2.64	119.22	126.61
29	4	604	CLA	C1-C2-C3	-2.64	121.87	126.20
29	d	602	CLA	C1-C2-C3	-2.64	121.87	126.20
29	A	820	CLA	C3B-C4B-NB	-2.64	108.17	110.53
32	8	312	II3	C03-C04-C12	-2.64	109.79	112.83
29	2	608	CLA	C3B-C4B-NB	-2.64	108.17	110.53
29	A	807	CLA	C1-C2-C3	-2.64	122.49	126.76
29	B	829	CLA	O2D-CGD-O1D	-2.64	118.71	123.85
37	7	318	8CT	C15-C16-C17	2.64	123.16	119.01
31	9	317	II0	C03-C05-C07	-2.64	107.81	113.59
29	B	826	CLA	CHB-C4A-NA	2.64	128.20	124.40
31	c	617	II0	C42-C40-C36	-2.63	123.58	127.28
29	7	311	CLA	C3B-C4B-NB	-2.63	108.18	110.53
29	B	805	CLA	C3B-C4B-NB	-2.63	108.18	110.53
29	B	811	CLA	C3B-C4B-NB	-2.63	108.18	110.53
33	1	618	IHT	C31-C34-C35	-2.63	119.15	126.36
31	6	615	II0	C29-C31-C33	-2.63	115.58	123.20
37	A	844	8CT	C30-C29-C28	-2.63	120.49	124.58
31	c	621	II0	C29-C31-C33	-2.63	115.58	123.20
29	1	608	CLA	C3B-C4B-NB	-2.63	108.18	110.53
29	A	820	CLA	CAA-C2A-C3A	-2.63	105.90	113.00
29	6	612	CLA	C3B-C4B-NB	-2.63	108.19	110.53
37	B	851	8CT	C01-C02-C07	2.63	119.19	113.60
29	1	605	CLA	O2D-CGD-O1D	-2.62	118.12	124.08
30	d	610	KC2	CHD-C4C-NC	2.62	128.26	124.31
37	7	318	8CT	C39-C16-C17	-2.62	118.56	122.82
34	9	321	LHG	O8-C23-C24	2.62	119.83	111.83
31	c	619	II0	C04-C06-C08	-2.62	107.84	113.59
29	B	808	CLA	CHB-C4A-NA	2.62	128.19	124.40
33	a	616	IHT	C19-C10-C09	2.62	119.19	113.60
29	5	611	CLA	C3B-C4B-NB	-2.62	108.19	110.53
29	b	611	CLA	C1-C2-C3	-2.62	121.90	126.20
37	e	616	8CT	C22-C21-C20	-2.62	118.57	122.82
38	B	849	DGD	CDB-CCB-CBB	-2.62	101.12	114.37
29	B	805	CLA	CHB-C4A-NA	2.62	128.18	124.40
37	e	616	8CT	C15-C16-C17	2.62	123.13	119.01
29	A	819	CLA	O2D-CGD-O1D	-2.62	118.75	123.85
29	2	611	CLA	O2D-CGD-O1D	-2.62	118.75	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
37	J	104	8CT	C27-C26-C28	2.62	122.08	118.09
29	B	831	CLA	C3B-C4B-NB	-2.61	108.20	110.53
31	9	318	II0	C41-C42-C40	-2.61	118.17	123.52
29	A	842	CLA	C1-C2-C3	-2.61	121.91	126.20
29	B	825	CLA	O2D-CGD-CBD	2.61	115.80	111.23
31	5	620	II0	C30-C32-C34	-2.61	115.63	123.20
29	A	806	CLA	CHB-C4A-NA	2.61	128.17	124.40
29	A	837	CLA	CHB-C4A-NA	2.61	128.17	124.40
33	a	616	IHT	C30-C27-C23	-2.61	123.61	127.28
29	B	810	CLA	O2D-CGD-CBD	2.61	115.80	111.23
29	2	612	CLA	CHB-C4A-NA	2.61	128.17	124.40
29	O	204	CLA	C3B-C4B-NB	-2.61	108.20	110.53
29	B	809	CLA	CMB-C2B-C1B	-2.61	121.44	125.42
31	3	314	II0	C28-C26-C30	-2.61	119.12	124.18
30	a	610	KC2	C1A-NA-C4A	-2.61	105.49	106.68
31	2	613	II0	C41-C42-C40	-2.61	118.19	123.52
33	1	618	IHT	C28-C26-C29	-2.61	119.12	124.18
37	B	847	8CT	C39-C16-C15	2.60	122.07	118.09
31	3	314	II0	C32-C30-C26	-2.60	119.33	126.61
29	B	832	CLA	C3B-C4B-NB	-2.60	108.21	110.53
31	9	316	II0	C29-C31-C33	-2.60	115.66	123.20
30	7	313	KC2	CHD-C4C-NC	2.60	128.23	124.31
30	e	609	KC2	CHD-C4C-NC	2.60	128.23	124.31
31	3	316	II0	C31-C29-C25	-2.60	119.33	126.61
37	K	103	8CT	C39-C16-C15	2.60	122.06	118.09
29	A	843	CLA	CMB-C2B-C1B	-2.60	121.46	125.42
29	9	313	CLA	C3B-C4B-NB	-2.60	108.21	110.53
29	7	306	CLA	CHB-C4A-NA	2.60	128.15	124.40
32	e	613	II3	C26-C29-C32	-2.60	115.67	123.20
29	b	604	CLA	O2A-CGA-O1A	-2.60	117.13	123.63
31	5	615	II0	C42-C41-C39	-2.60	118.20	123.52
29	b	603	CLA	CHB-C4A-NA	2.60	128.15	124.40
29	6	606	CLA	C3B-C4B-NB	-2.60	108.21	110.53
29	8	307	CLA	CAA-C2A-C3A	-2.60	110.27	116.23
29	6	602	CLA	CHB-C4A-NA	2.60	128.15	124.40
34	b	616	LHG	O8-C23-C24	2.60	119.75	111.83
37	B	847	8CT	C27-C26-C28	2.60	122.05	118.09
29	e	602	CLA	C3B-C4B-NB	-2.59	108.21	110.53
34	A	850	LHG	O8-C23-C24	2.59	119.74	111.83
40	A	849	PQN	C17-C16-C15	-2.59	106.35	113.26
29	7	312	CLA	CHB-C4A-NA	2.59	128.14	124.40
31	5	614	II0	C28-C26-C30	-2.59	119.15	124.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	7	317	II0	C19-C13-C09	-2.59	119.32	124.16
32	b	613	II3	C31-C34-C37	-2.59	115.70	123.20
37	A	846	8CT	C01-C02-C07	2.59	119.11	113.60
29	A	825	CLA	CHB-C4A-NA	2.59	128.13	124.40
29	F	201	CLA	C3B-C4B-NB	-2.59	108.22	110.53
30	b	605	KC2	CHD-C4C-NC	2.59	128.21	124.31
29	L	203	CLA	C1-C2-C3	-2.59	122.58	126.76
29	3	306	CLA	O2A-CGA-O1A	-2.59	117.16	123.63
29	A	838	CLA	C3B-C4B-NB	-2.59	108.22	110.53
29	B	830	CLA	C3B-C4B-NB	-2.59	108.22	110.53
29	a	612	CLA	C3B-C4B-NB	-2.59	108.22	110.53
31	4	614	II0	C20-C14-C10	-2.59	119.32	124.16
29	5	608	CLA	CHB-C4A-NA	2.59	128.13	124.40
29	8	305	CLA	C3B-C4B-NB	-2.59	108.22	110.53
29	A	825	CLA	C3B-C4B-NB	-2.59	108.22	110.53
31	d	616	II0	C20-C14-C10	-2.58	119.33	124.16
29	8	306	CLA	C3B-C4B-NB	-2.58	108.22	110.53
29	A	808	CLA	C3B-C4B-NB	-2.58	108.22	110.53
29	A	832	CLA	C3B-C4B-NB	-2.58	108.22	110.53
29	K	102	CLA	C3B-C4B-NB	-2.58	108.22	110.53
37	A	845	8CT	C27-C26-C28	2.58	122.03	118.09
31	9	316	II0	C20-C14-C12	2.58	119.17	114.42
29	B	812	CLA	C3B-C4B-NB	-2.58	108.23	110.53
38	B	849	DGD	O5D-C6D-C5D	-2.58	103.60	109.42
31	R	204	II0	C30-C32-C34	-2.58	115.72	123.20
31	d	615	II0	C31-C33-C35	-2.58	119.29	126.36
37	B	851	8CT	C25-C24-C23	-2.58	115.73	123.20
29	1	611	CLA	C3B-C4B-NB	-2.58	108.23	110.53
29	B	836	CLA	CAA-C2A-C3A	-2.58	106.03	113.00
35	2	618	LMG	O6-C1-O1	-2.58	103.95	110.04
29	d	603	CLA	C3B-C4B-NB	-2.58	108.23	110.53
37	B	848	8CT	C22-C21-C23	2.58	122.03	118.09
30	9	311	KC2	O1D-CGD-CBD	-2.58	119.44	124.52
29	4	603	CLA	C3B-C4B-NB	-2.58	108.23	110.53
31	e	615	II0	C20-C14-C10	-2.58	119.34	124.16
31	3	316	II0	C32-C34-C36	-2.58	119.30	126.36
29	9	312	CLA	CAA-C2A-C3A	-2.58	110.33	116.23
29	L	201	CLA	CHB-C4A-NA	2.57	128.12	124.40
29	B	814	CLA	C3B-C4B-NB	-2.57	108.23	110.53
30	3	307	KC2	O1D-CGD-CBD	-2.57	119.44	124.52
31	1	614	II0	C19-C13-C09	-2.57	119.35	124.16
30	c	614	KC2	C1B-CHB-C4A	-2.57	120.55	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
37	Z	307	8CT	C25-C24-C23	-2.57	115.75	123.20
33	2	616	IHT	C30-C32-C33	-2.57	119.31	126.36
33	a	616	IHT	C09-C10-C07	-2.57	119.23	122.70
33	9	320	IHT	C02-C07-C10	-2.57	119.12	122.64
37	R	203	8CT	C13-C14-C15	-2.57	115.76	123.20
37	B	844	8CT	C39-C16-C15	2.57	122.01	118.09
31	8	310	II0	C32-C34-C36	-2.57	119.32	126.36
29	6	603	CLA	C3B-C4B-NB	-2.57	108.24	110.53
34	2	617	LHG	O8-C23-C24	2.56	119.65	111.83
29	b	607	CLA	CHB-C4A-NA	2.56	128.10	124.40
37	B	848	8CT	C07-C02-C03	-2.56	119.24	122.70
34	4	618	LHG	C11-C10-C9	-2.56	101.41	114.37
29	1	604	CLA	CHB-C4A-NA	2.56	128.10	124.40
29	7	311	CLA	O2D-CGD-O1D	-2.56	118.86	123.85
29	A	803	CLA	C3B-C4B-NB	-2.56	108.24	110.53
31	J	102	II0	C31-C29-C25	-2.56	119.45	126.61
37	A	845	8CT	C40-C12-C11	2.56	122.00	118.09
37	4	616	8CT	C11-C12-C13	2.56	123.03	119.01
29	7	308	CLA	C3B-C4B-NB	-2.56	108.25	110.53
29	A	840	CLA	CMB-C2B-C3B	2.56	132.57	126.55
29	9	305	CLA	CHB-C4A-NA	2.56	128.09	124.40
31	8	311	II0	C20-C14-C10	-2.56	119.38	124.16
30	4	605	KC2	CHD-C4C-NC	2.56	128.16	124.31
34	3	301	LHG	C11-C10-C9	-2.56	101.45	114.37
31	3	318	II0	C32-C34-C36	-2.56	119.36	126.36
30	5	610	KC2	CHD-C4C-NC	2.55	128.16	124.31
29	8	306	CLA	CHB-C4A-NA	2.55	128.09	124.40
31	O	205	II0	C08-C12-C14	-2.55	105.82	112.18
30	6	610	KC2	O1D-CGD-CBD	-2.55	119.48	124.52
29	5	607	CLA	CHB-C4A-NA	2.55	128.09	124.40
29	b	606	CLA	C3B-C4B-NB	-2.55	108.25	110.53
31	a	619	II0	C31-C29-C25	-2.55	119.47	126.61
29	1	603	CLA	CHB-C4A-NA	2.55	128.09	124.40
29	7	308	CLA	C1-C2-C3	-2.55	122.01	126.20
31	7	301	II0	C28-C26-C30	-2.55	119.22	124.18
29	6	608	CLA	CHB-C4A-NA	2.55	128.08	124.40
29	1	608	CLA	C1-C2-C3	-2.55	122.02	126.20
29	4	610	CLA	C1-C2-C3	-2.55	122.02	126.20
34	1	619	LHG	C11-C10-C9	-2.55	101.47	114.37
29	b	604	CLA	C1-C2-C3	-2.55	122.02	126.20
29	B	810	CLA	CAA-C2A-C3A	-2.55	106.11	113.00
37	4	616	8CT	C28-C26-C25	2.55	123.02	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
30	e	609	KC2	C1A-NA-C4A	-2.55	105.52	106.68
32	8	312	II3	C22-C18-C16	-2.55	119.39	124.16
31	5	620	II0	C42-C41-C39	-2.55	118.30	123.52
29	2	602	CLA	CHB-C4A-NA	2.55	128.08	124.40
31	b	612	II0	C28-C26-C30	-2.55	119.24	124.18
29	b	601	CLA	CHB-C4A-NA	2.55	128.07	124.40
29	4	610	CLA	CHB-C4A-NA	2.55	128.07	124.40
29	A	811	CLA	CHB-C4A-NA	2.55	128.07	124.40
34	B	801	LHG	C11-C10-C9	-2.54	101.50	114.37
31	5	616	II0	C42-C41-C39	-2.54	118.31	123.52
29	e	603	CLA	CHB-C4A-NA	2.54	128.07	124.40
29	a	606	CLA	C3B-C4B-NB	-2.54	108.26	110.53
33	c	620	IHT	C22-C18-C07	-2.54	120.21	127.00
36	B	850	SQD	O9-S-C6	2.54	110.55	106.76
29	b	602	CLA	CHB-C4A-NA	2.54	128.07	124.40
29	8	307	CLA	CHB-C4A-NA	2.54	128.07	124.40
30	a	610	KC2	CHD-C4C-NC	2.54	128.14	124.31
29	5	604	CLA	C3B-C4B-NB	-2.54	108.26	110.53
33	2	616	IHT	C28-C26-C29	-2.54	119.25	124.18
34	4	617	LHG	C11-C10-C9	-2.54	101.53	114.37
29	A	817	CLA	CMB-C2B-C1B	-2.54	121.55	125.42
29	A	803	CLA	CHB-C4A-NA	2.54	128.06	124.40
29	b	611	CLA	CHB-C4A-NA	2.54	128.06	124.40
29	7	309	CLA	CAA-C2A-C3A	-2.54	110.41	116.23
29	9	304	CLA	CHB-C4A-NA	2.54	128.06	124.40
34	c	623	LHG	C11-C10-C9	-2.54	101.54	114.37
29	Z	302	CLA	CHB-C4A-NA	2.54	128.06	124.40
29	B	814	CLA	CHB-C4A-NA	2.54	128.06	124.40
29	B	818	CLA	C3B-C4B-NB	-2.54	108.27	110.53
30	7	310	KC2	C1A-NA-C4A	-2.54	105.52	106.68
30	5	610	KC2	O2D-CGD-O1D	-2.54	118.91	123.85
30	2	610	KC2	CHD-C4C-NC	2.53	128.13	124.31
29	2	611	CLA	C1-C2-C3	-2.53	122.66	126.76
29	b	606	CLA	CMB-C2B-C1B	-2.53	121.56	125.42
31	6	614	II0	C20-C14-C10	-2.53	119.42	124.16
29	B	829	CLA	CHB-C4A-NA	2.53	128.05	124.40
29	A	806	CLA	C3B-C4B-NB	-2.53	108.27	110.53
29	A	835	CLA	C3B-C4B-NB	-2.53	108.27	110.53
29	B	834	CLA	C3B-C4B-NB	-2.53	108.27	110.53
34	A	850	LHG	C11-C10-C9	-2.53	101.57	114.37
29	7	312	CLA	C3B-C4B-NB	-2.53	108.27	110.53
33	1	618	IHT	C22-C18-C07	-2.53	120.24	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	c	608	CLA	CHB-C4A-NA	2.53	128.05	124.40
29	5	603	CLA	CHB-C4A-NA	2.53	128.05	124.40
31	9	318	II0	C20-C14-C12	2.53	119.07	114.42
29	e	604	CLA	O2A-CGA-O1A	-2.53	117.31	123.63
29	3	310	CLA	CHB-C4A-NA	2.53	128.04	124.40
33	9	320	IHT	C25-C23-C27	-2.52	118.73	122.82
29	5	612	CLA	CHB-C4A-NA	2.52	128.04	124.40
29	A	833	CLA	CHB-C4A-NA	2.52	128.04	124.40
33	9	320	IHT	C41-C40-C37	-2.52	118.35	123.52
35	6	617	LMG	O6-C5-C4	2.52	114.24	109.70
29	e	604	CLA	C3B-C4B-NB	-2.52	108.28	110.53
31	7	317	II0	C37-C35-C33	2.52	121.94	118.09
29	K	101	CLA	CHB-C4A-NA	2.52	128.04	124.40
29	8	304	CLA	CHB-C4A-NA	2.52	128.04	124.40
37	F	203	8CT	C18-C19-C20	-2.52	118.37	123.52
30	b	609	KC2	CHB-C4A-C3A	-2.52	121.05	125.03
29	K	102	CLA	CHB-C4A-NA	2.52	128.03	124.40
34	Z	311	LHG	O8-C23-C24	2.52	119.51	111.83
34	9	321	LHG	C11-C10-C9	-2.52	101.65	114.37
37	A	847	8CT	C11-C10-C03	-2.52	120.28	127.00
37	B	847	8CT	C10-C11-C12	-2.52	122.51	126.23
37	F	203	8CT	C11-C10-C03	-2.52	120.28	127.00
29	3	303	CLA	CHB-C4A-NA	2.51	128.03	124.40
29	9	303	CLA	CHB-C4A-NA	2.51	128.03	124.40
29	3	306	CLA	CHB-C4A-NA	2.51	128.03	124.40
37	J	104	8CT	C39-C16-C15	2.51	121.93	118.09
29	4	604	CLA	O2A-CGA-O1A	-2.51	117.34	123.63
29	A	842	CLA	O2D-CGD-O1D	-2.51	118.96	123.85
29	Z	305	CLA	CHB-C4A-NA	2.51	128.03	124.40
30	6	610	KC2	O2D-CGD-O1D	-2.51	118.96	123.85
29	B	806	CLA	CHB-C4A-NA	2.51	128.03	124.40
31	8	310	II0	C28-C26-C30	-2.51	119.31	124.18
29	A	832	CLA	O2D-CGD-CBD	2.51	115.62	111.23
29	O	203	CLA	CHB-C4A-NA	2.51	128.02	124.40
29	e	606	CLA	C3B-C4B-NB	-2.51	108.29	110.53
29	O	202	CLA	CHB-C4A-NA	2.51	128.02	124.40
30	a	610	KC2	O1D-CGD-CBD	-2.51	119.57	124.52
33	d	617	IHT	C29-C31-C34	-2.51	115.94	123.20
29	A	834	CLA	CHB-C4A-NA	2.51	128.02	124.40
29	A	823	CLA	CMB-C2B-C1B	-2.51	121.60	125.42
37	B	848	8CT	C37-C35-C30	-2.51	105.75	109.55
29	2	603	CLA	CMB-C2B-C1B	-2.50	121.61	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	5	603	CLA	C3B-C4B-NB	-2.50	108.29	110.53
34	4	617	LHG	C5-O7-C7	-2.50	111.80	117.80
31	2	615	II0	C28-C26-C30	-2.50	119.32	124.18
29	A	827	CLA	C1-C2-C3	-2.50	122.10	126.20
31	e	614	II0	C42-C41-C39	-2.50	118.40	123.52
29	5	607	CLA	C3B-C4B-NB	-2.50	108.30	110.53
31	3	317	II0	C42-C41-C39	-2.50	118.40	123.52
34	4	618	LHG	O8-C23-C24	2.50	119.46	111.83
29	B	837	CLA	O2A-CGA-O1A	-2.50	117.37	123.63
29	A	814	CLA	CHB-C4A-NA	2.50	128.01	124.40
29	A	804	CLA	C1-C2-C3	-2.50	122.10	126.20
34	4	620	LHG	C11-C10-C9	-2.50	101.74	114.37
30	c	610	KC2	CHD-C4C-NC	2.50	128.07	124.31
29	4	603	CLA	CMB-C2B-C1B	-2.50	121.61	125.42
29	O	202	CLA	CAA-C2A-C3A	-2.50	110.50	116.23
37	e	616	8CT	C23-C21-C20	2.50	122.94	119.01
31	e	612	II0	C37-C35-C33	2.50	121.90	118.09
29	8	317	CLA	CHB-C4A-NA	2.50	128.00	124.40
31	e	612	II0	C30-C32-C34	-2.50	115.97	123.20
33	L	204	IHT	C19-C10-C09	2.50	118.92	113.60
34	A	851	LHG	C11-C10-C9	-2.50	101.75	114.37
38	B	849	DGD	O2D-C2D-C1D	-2.49	104.13	110.08
29	A	815	CLA	C3B-C4B-NB	-2.49	108.30	110.53
29	B	815	CLA	C3B-C4B-NB	-2.49	108.30	110.53
31	2	615	II0	C07-C11-C13	-2.49	105.97	112.18
40	A	849	PQN	C2M-C2-C3	-2.49	120.35	124.45
30	Z	306	KC2	O1D-CGD-CBD	-2.49	119.60	124.52
31	a	619	II0	C27-C25-C29	-2.49	119.34	124.18
29	d	606	CLA	CAA-C2A-C3A	-2.49	110.51	116.23
29	1	609	CLA	CHB-C4A-NA	2.49	128.00	124.40
29	4	607	CLA	CHB-C4A-NA	2.49	128.00	124.40
31	c	617	II0	C28-C26-C30	-2.49	119.34	124.18
31	5	617	II0	C42-C41-C39	-2.49	118.42	123.52
29	5	602	CLA	CHB-C4A-NA	2.49	128.00	124.40
29	B	824	CLA	CHB-C4A-NA	2.49	128.00	124.40
31	4	612	II0	C27-C25-C29	-2.49	119.34	124.18
29	1	608	CLA	CHB-C4A-NA	2.49	127.99	124.40
34	O	208	LHG	C11-C10-C9	-2.49	101.79	114.37
30	7	313	KC2	O1D-CGD-CBD	-2.49	119.61	124.52
29	9	312	CLA	C3B-C4B-NB	-2.49	108.31	110.53
31	d	616	II0	C19-C13-C09	-2.49	119.51	124.16
29	e	604	CLA	CHB-C4A-NA	2.49	127.99	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
34	8	316	LHG	C11-C10-C9	-2.48	101.81	114.37
29	3	310	CLA	C1-C2-C3	-2.48	122.13	126.20
29	B	817	CLA	CHB-C4A-NA	2.48	127.98	124.40
30	7	310	KC2	CHD-C4C-NC	2.48	128.05	124.31
30	6	613	KC2	O2D-CGD-O1D	-2.48	119.02	123.85
34	2	619	LHG	C11-C10-C9	-2.48	101.82	114.37
32	b	613	II3	C25-C24-C21	2.48	121.88	118.09
31	2	613	II0	C19-C13-C09	-2.48	119.52	124.16
29	A	821	CLA	CHB-C4A-NA	2.48	127.98	124.40
29	B	834	CLA	CHB-C4A-NA	2.48	127.98	124.40
29	F	202	CLA	CHB-C4A-NA	2.48	127.98	124.40
31	d	614	II0	C04-C06-C08	-2.48	108.15	113.59
29	7	303	CLA	C1-C2-C3	-2.48	122.13	126.20
29	c	601	CLA	CHB-C4A-NA	2.48	127.98	124.40
29	e	602	CLA	CHB-C4A-NA	2.48	127.98	124.40
37	M	101	8CT	C29-C28-C26	-2.48	121.00	126.32
34	L	206	LHG	C11-C10-C9	-2.48	101.84	114.37
29	A	813	CLA	CHB-C4A-NA	2.48	127.97	124.40
37	M	101	8CT	C30-C29-C28	-2.48	120.73	124.58
30	3	307	KC2	CHD-C4C-NC	2.48	128.04	124.31
29	B	825	CLA	C3B-C4B-NB	-2.47	108.32	110.53
29	7	302	CLA	CHB-C4A-NA	2.47	127.97	124.40
29	7	308	CLA	CHB-C4A-NA	2.47	127.97	124.40
29	b	604	CLA	CHB-C4A-NA	2.47	127.97	124.40
31	d	616	II0	C31-C33-C35	-2.47	119.58	126.36
29	A	841	CLA	CHB-C4A-NA	2.47	127.97	124.40
35	F	204	LMG	O1-C1-C2	-2.47	104.52	108.27
31	a	619	II0	C28-C26-C30	-2.47	119.38	124.18
29	3	313	CLA	CHB-C4A-NA	2.47	127.97	124.40
29	B	816	CLA	CMB-C2B-C1B	-2.47	121.66	125.42
29	A	815	CLA	CHB-C4A-NA	2.47	127.97	124.40
37	B	852	8CT	C13-C14-C15	-2.47	116.04	123.20
29	8	301	CLA	CHB-C4A-NA	2.47	127.96	124.40
33	c	620	IHT	C09-C10-C07	-2.47	119.37	122.70
37	B	848	8CT	C25-C24-C23	-2.47	116.05	123.20
29	K	101	CLA	O2D-CGD-CBD	2.47	115.55	111.23
29	3	311	CLA	CHB-C4A-NA	2.47	127.96	124.40
29	9	302	CLA	CHB-C4A-NA	2.47	127.96	124.40
29	K	101	CLA	C3B-C4B-NB	-2.47	108.33	110.53
29	8	305	CLA	O2A-CGA-O1A	-2.47	117.46	123.63
29	A	827	CLA	C3B-C4B-NB	-2.47	108.33	110.53
31	6	614	II0	C07-C11-C13	-2.47	106.04	112.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	9	308	CLA	CHB-C4A-NA	2.47	127.96	124.40
31	c	616	II0	C27-C25-C29	-2.47	119.39	124.18
31	5	614	II0	C32-C30-C26	-2.46	119.72	126.61
32	e	613	II3	C34-C31-C28	-2.46	119.72	126.61
31	c	619	II0	C03-C05-C07	-2.46	108.19	113.59
29	A	803	CLA	CAA-C2A-C1A	-2.46	103.90	111.97
29	5	612	CLA	O2D-CGD-CBD	2.46	115.54	111.23
29	9	310	CLA	CHB-C4A-NA	2.46	127.95	124.40
40	B	842	PQN	C11-C3-C2	-2.46	120.67	124.89
29	B	840	CLA	O2A-CGA-O1A	-2.46	117.47	123.63
29	2	611	CLA	CHB-C4A-NA	2.46	127.95	124.40
29	B	831	CLA	CHB-C4A-NA	2.46	127.95	124.40
29	6	609	CLA	CAA-C2A-C3A	-2.46	110.59	116.23
29	d	604	CLA	O2A-CGA-O1A	-2.46	117.47	123.63
31	c	621	II0	C20-C14-C10	-2.46	119.56	124.16
29	7	305	CLA	CHB-C4A-NA	2.46	127.95	124.40
29	a	605	CLA	CHB-C4A-NA	2.46	127.95	124.40
29	1	611	CLA	CHB-C4A-NA	2.46	127.95	124.40
29	b	610	CLA	CHB-C4A-NA	2.46	127.95	124.40
34	3	321	LHG	C11-C10-C9	-2.46	101.94	114.37
31	4	613	II0	C42-C41-C39	-2.46	118.49	123.52
29	2	606	CLA	CHB-C4A-NA	2.46	127.94	124.40
29	6	604	CLA	CHB-C4A-NA	2.46	127.94	124.40
31	8	310	II0	C20-C14-C10	-2.46	119.57	124.16
29	7	311	CLA	CHB-C4A-NA	2.46	127.94	124.40
31	9	323	II0	C42-C41-C39	-2.46	118.50	123.52
29	b	608	CLA	CHB-C4A-NA	2.45	127.94	124.40
29	7	309	CLA	CHB-C4A-NA	2.45	127.94	124.40
29	A	808	CLA	C1-C2-C3	-2.45	122.18	126.20
34	J	101	LHG	C11-C10-C9	-2.45	101.97	114.37
29	B	832	CLA	O2A-CGA-O1A	-2.45	117.50	123.63
29	d	612	CLA	CHB-C4A-NA	2.45	127.94	124.40
31	d	614	II0	C03-C05-C07	-2.45	108.22	113.59
29	4	607	CLA	CMB-C2B-C1B	-2.45	121.69	125.42
29	9	315	CLA	CHB-C4A-NA	2.45	127.94	124.40
31	7	314	II0	C19-C13-C09	-2.45	119.58	124.16
37	B	846	8CT	C30-C29-C28	-2.45	120.77	124.58
29	A	804	CLA	C3B-C4B-NB	-2.45	108.34	110.53
29	2	601	CLA	CHB-C4A-NA	2.45	127.93	124.40
31	4	614	II0	C03-C05-C07	-2.45	108.22	113.59
29	4	603	CLA	CHB-C4A-NA	2.45	127.93	124.40
29	c	612	CLA	CHB-C4A-NA	2.45	127.93	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	6	605	CLA	CHB-C4A-NA	2.45	127.93	124.40
29	O	201	CLA	C3B-C4B-NB	-2.45	108.35	110.53
29	O	204	CLA	CHB-C4A-NA	2.45	127.93	124.40
29	B	807	CLA	C3B-C4B-NB	-2.45	108.35	110.53
29	4	602	CLA	CHB-C4A-NA	2.44	127.93	124.40
29	B	810	CLA	CHB-C4A-NA	2.44	127.93	124.40
31	3	316	II0	C31-C33-C35	-2.44	119.66	126.36
29	A	820	CLA	CHB-C4A-NA	2.44	127.93	124.40
29	B	821	CLA	C3B-C4B-NB	-2.44	108.35	110.53
29	B	818	CLA	O2D-CGD-CBD	2.44	115.50	111.23
29	A	841	CLA	CAA-C2A-C3A	-2.44	106.40	113.00
29	B	819	CLA	CHB-C4A-NA	2.44	127.92	124.40
31	c	618	II0	C27-C25-C29	-2.44	119.44	124.18
34	4	617	LHG	C20-C19-C18	-2.44	102.03	114.37
29	5	601	CLA	CHB-C4A-NA	2.44	127.92	124.40
29	2	603	CLA	C3B-C4B-NB	-2.44	108.35	110.53
31	9	319	II0	C19-C13-C09	-2.44	119.60	124.16
34	A	851	LHG	O8-C23-C24	2.44	119.27	111.83
29	B	828	CLA	C3B-C4B-NB	-2.44	108.35	110.53
29	A	810	CLA	CHB-C4A-NA	2.44	127.92	124.40
29	d	603	CLA	CHB-C4A-NA	2.44	127.92	124.40
34	Z	311	LHG	C11-C10-C9	-2.44	102.05	114.37
29	2	603	CLA	CHB-C4A-NA	2.44	127.92	124.40
29	e	601	CLA	CHB-C4A-NA	2.44	127.92	124.40
29	c	613	CLA	CHB-C4A-NA	2.44	127.92	124.40
29	A	823	CLA	O2D-CGD-CBD	2.44	115.49	111.23
31	J	102	II0	C19-C13-C09	-2.43	119.61	124.16
37	B	848	8CT	C04-C03-C02	-2.43	119.31	122.64
29	a	602	CLA	CHB-C4A-NA	2.43	127.91	124.40
29	d	609	CLA	CHB-C4A-NA	2.43	127.91	124.40
37	A	845	8CT	C25-C24-C23	-2.43	116.15	123.20
29	A	841	CLA	O2D-CGD-CBD	2.43	115.48	111.23
30	9	311	KC2	C1B-CHB-C4A	-2.43	120.85	126.02
33	6	616	IHT	C41-C40-C37	-2.43	118.54	123.52
33	6	616	IHT	C19-C10-C09	2.43	118.78	113.60
29	B	809	CLA	C1-C2-C3	-2.43	122.21	126.20
29	4	608	CLA	CHB-C4A-NA	2.43	127.91	124.40
29	9	314	CLA	CHB-C4A-NA	2.43	127.91	124.40
31	7	317	II0	C20-C14-C10	-2.43	119.61	124.16
29	Z	304	CLA	C1-C2-C3	-2.43	122.83	126.76
35	8	314	LMG	C40-C39-C38	-2.43	102.08	114.37
33	1	618	IHT	C31-C29-C26	-2.43	119.81	126.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
35	3	319	LMG	O6-C1-O1	-2.43	104.30	110.04
34	3	321	LHG	C20-C19-C18	-2.43	102.09	114.37
29	B	813	CLA	O2A-CGA-O1A	-2.43	117.56	123.63
34	L	207	LHG	C11-C10-C9	-2.43	102.10	114.37
31	1	617	II0	C19-C13-C09	-2.43	119.62	124.16
33	d	617	IHT	C19-C10-C07	-2.43	121.84	124.48
31	4	612	II0	C41-C42-C40	-2.43	118.55	123.52
29	A	842	CLA	C3B-C4B-NB	-2.43	108.36	110.53
30	6	610	KC2	C1B-CHB-C4A	-2.43	120.86	126.02
29	6	611	CLA	CHB-C4A-NA	2.43	127.90	124.40
29	9	309	CLA	CHB-C4A-NA	2.43	127.90	124.40
30	2	610	KC2	CHB-C4A-C3A	-2.43	121.20	125.03
29	B	835	CLA	C3B-C4B-NB	-2.43	108.36	110.53
29	B	805	CLA	CMB-C2B-C1B	-2.42	121.73	125.42
30	6	613	KC2	CHD-C4C-NC	2.42	127.96	124.31
31	1	616	II0	C42-C41-C39	-2.42	118.56	123.52
35	Z	310	LMG	O7-C10-O9	-2.42	118.04	123.70
37	F	203	8CT	C10-C03-C02	-2.42	115.97	121.56
29	e	607	CLA	CHB-C4A-NA	2.42	127.90	124.40
37	B	843	8CT	C05-C06-C07	2.42	116.60	111.28
29	d	604	CLA	CHB-C4A-NA	2.42	127.89	124.40
33	d	617	IHT	C28-C26-C29	-2.42	119.48	124.18
29	B	822	CLA	CHB-C4A-NA	2.42	127.89	124.40
33	9	320	IHT	C20-C15-C11	-2.42	119.63	124.16
30	6	610	KC2	CHD-C4C-NC	2.42	127.96	124.31
29	2	604	CLA	CHB-C4A-NA	2.42	127.89	124.40
29	e	602	CLA	CMB-C2B-C1B	-2.42	121.73	125.42
34	7	320	LHG	O8-C23-C24	2.42	119.21	111.83
29	2	603	CLA	C1-C2-C3	-2.42	122.85	126.76
37	B	843	8CT	C05-C04-C03	2.42	113.95	110.44
29	B	816	CLA	C3B-C4B-NB	-2.42	108.37	110.53
31	d	614	II0	C27-C25-C29	-2.42	119.48	124.18
31	8	310	II0	C19-C13-C09	-2.42	119.64	124.16
29	B	803	CLA	CHB-C4A-NA	2.42	127.89	124.40
29	c	615	CLA	CHB-C4A-NA	2.42	127.89	124.40
31	9	319	II0	C27-C25-C29	-2.42	119.49	124.18
31	9	319	II0	C28-C26-C30	-2.42	119.49	124.18
29	B	828	CLA	CMB-C2B-C1B	-2.42	121.74	125.42
31	e	612	II0	C42-C41-C39	-2.42	118.58	123.52
29	2	609	CLA	CHB-C4A-NA	2.41	127.89	124.40
31	d	616	II0	C38-C36-C40	-2.41	118.90	122.82
30	c	611	KC2	O2D-CGD-O1D	-2.41	119.15	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
33	8	309	IHT	C31-C29-C26	-2.41	119.86	126.61
29	6	607	CLA	CHB-C4A-NA	2.41	127.88	124.40
29	3	302	CLA	CHB-C4A-NA	2.41	127.88	124.40
29	5	611	CLA	CHB-C4A-NA	2.41	127.88	124.40
35	8	314	LMG	O1-C7-C8	-2.41	104.95	110.82
31	c	621	II0	C30-C32-C34	-2.41	116.21	123.20
30	d	610	KC2	O2D-CGD-O1D	-2.41	119.15	123.85
29	A	818	CLA	CHB-C4A-NA	2.41	127.88	124.40
31	5	617	II0	C20-C14-C10	-2.41	119.65	124.16
35	8	314	LMG	C38-C37-C36	-2.41	102.18	114.37
31	O	205	II0	C41-C39-C35	-2.41	123.90	127.28
29	A	830	CLA	CHB-C4A-NA	2.41	127.88	124.40
30	3	307	KC2	C1A-NA-C4A	-2.41	105.58	106.68
33	Z	301	IHT	C20-C15-C11	-2.41	119.65	124.16
34	L	207	LHG	O3-C3-C2	-2.41	99.69	109.63
37	L	205	8CT	C04-C03-C10	2.41	122.19	115.65
29	c	609	CLA	CHB-C4A-NA	2.41	127.88	124.40
31	e	614	II0	C04-C06-C08	-2.41	108.31	113.59
29	1	612	CLA	CHB-C4A-NA	2.41	127.88	124.40
31	8	311	II0	C31-C29-C25	-2.41	119.88	126.61
30	c	611	KC2	C1B-CHB-C4A	-2.41	120.90	126.02
31	c	618	II0	C28-C26-C30	-2.41	119.51	124.18
29	5	604	CLA	CAA-C2A-C1A	-2.41	104.09	111.97
33	a	616	IHT	C03-C05-C08	-2.41	108.31	113.59
29	6	603	CLA	CMB-C2B-C1B	-2.41	121.75	125.42
29	6	612	CLA	CHB-C4A-NA	2.41	127.87	124.40
31	9	318	II0	C19-C13-C09	-2.41	119.66	124.16
29	A	831	CLA	CHB-C4A-NA	2.41	127.87	124.40
31	9	318	II0	C04-C06-C08	-2.41	108.32	113.59
29	8	303	CLA	O2A-CGA-O1A	-2.40	117.61	123.63
31	d	615	II0	C20-C14-C10	-2.40	119.67	124.16
31	R	201	II0	C27-C25-C29	-2.40	119.52	124.18
37	F	203	8CT	C24-C25-C26	-2.40	123.91	127.28
31	4	612	II0	C19-C13-C09	-2.40	119.67	124.16
29	1	602	CLA	CHB-C4A-NA	2.40	127.87	124.40
29	A	802	CLA	CHB-C4A-NA	2.40	127.87	124.40
29	e	611	CLA	C3B-C4B-NB	-2.40	108.39	110.53
31	a	614	II0	C28-C26-C30	-2.40	119.52	124.18
33	2	616	IHT	C19-C10-C09	2.40	118.71	113.60
33	L	204	IHT	C40-C41-C38	-2.40	118.61	123.52
29	J	103	CLA	CHB-C4A-NA	2.40	127.86	124.40
29	3	311	CLA	C3B-C4B-NB	-2.40	108.39	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	6	615	II0	C37-C35-C33	2.40	121.75	118.09
31	a	614	II0	C38-C36-C34	2.40	121.75	118.09
35	F	204	LMG	O1-C7-C8	-2.40	104.99	110.82
29	B	831	CLA	CMB-C2B-C1B	-2.40	121.77	125.42
33	Z	301	IHT	C09-C10-C07	-2.40	119.46	122.70
35	X	302	LMG	C1-C2-C3	-2.40	104.97	110.01
30	e	609	KC2	CHB-C4A-C3A	-2.40	121.24	125.03
29	a	608	CLA	CHB-C4A-NA	2.40	127.86	124.40
29	a	608	CLA	O2D-CGD-CBD	2.40	115.42	111.23
34	4	619	LHG	C11-C10-C9	-2.40	102.25	114.37
33	L	204	IHT	C41-C40-C37	-2.40	118.62	123.52
30	1	610	KC2	CHB-C4A-C3A	-2.40	121.25	125.03
29	A	804	CLA	CAA-C2A-C3A	-2.39	106.53	113.00
29	6	603	CLA	CHB-C4A-NA	2.39	127.86	124.40
29	7	304	CLA	CHB-C4A-NA	2.39	127.86	124.40
29	A	801	CLA	CHB-C4A-NA	2.39	127.86	124.40
29	Z	304	CLA	CHB-C4A-NA	2.39	127.86	124.40
37	L	205	8CT	C13-C14-C15	-2.39	116.26	123.20
37	Z	307	8CT	C19-C18-C17	-2.39	118.62	123.52
34	1	619	LHG	O8-C23-C24	2.39	119.14	111.83
29	A	807	CLA	CHB-C4A-NA	2.39	127.85	124.40
36	O	207	SQD	O8-S-C6	2.39	110.59	105.97
29	d	605	CLA	CHB-C4A-NA	2.39	127.85	124.40
29	A	816	CLA	CHB-C4A-NA	2.39	127.85	124.40
29	a	604	CLA	CHB-C4A-NA	2.39	127.85	124.40
29	5	601	CLA	CAA-C2A-C3A	-2.39	110.75	116.23
31	O	205	II0	C30-C32-C34	-2.39	116.27	123.20
30	e	605	KC2	CHB-C4A-C3A	-2.39	121.25	125.03
31	1	620	II0	C27-C25-C29	-2.39	119.54	124.18
31	7	314	II0	C27-C25-C29	-2.39	119.54	124.18
31	O	205	II0	C19-C13-C09	-2.39	119.69	124.16
29	a	608	CLA	C1-C2-C3	-2.39	122.28	126.20
31	3	318	II0	C19-C13-C09	-2.39	119.70	124.16
37	Z	307	8CT	C01-C02-C07	2.39	118.69	113.60
29	c	603	CLA	CMB-C2B-C1B	-2.39	121.78	125.42
29	A	840	CLA	CHB-C4A-NA	2.39	127.84	124.40
31	5	614	II0	C27-C25-C29	-2.39	119.55	124.18
31	8	311	II0	C31-C33-C35	-2.39	119.82	126.36
34	4	618	LHG	C20-C19-C18	-2.39	102.31	114.37
29	a	611	CLA	CHB-C4A-NA	2.39	127.84	124.40
29	9	305	CLA	O2A-CGA-O1A	-2.39	117.66	123.63
34	8	316	LHG	C20-C19-C18	-2.39	102.31	114.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	c	616	II0	C19-C13-C09	-2.38	119.70	124.16
35	6	617	LMG	O1-C7-C8	-2.38	105.02	110.82
32	8	312	II3	C22-C18-C17	2.38	118.81	114.42
29	A	826	CLA	CMB-C2B-C1B	-2.38	121.79	125.42
29	d	607	CLA	CHB-C4A-NA	2.38	127.84	124.40
29	B	838	CLA	CHB-C4A-NA	2.38	127.84	124.40
33	8	309	IHT	C09-C10-C07	-2.38	119.48	122.70
29	1	605	CLA	C3B-C4B-NB	-2.38	108.40	110.53
29	6	601	CLA	CHB-C4A-NA	2.38	127.84	124.40
35	Z	310	LMG	C38-C37-C36	-2.38	102.33	114.37
29	5	612	CLA	C3B-C4B-NB	-2.38	108.40	110.53
29	B	833	CLA	CHB-C4A-NA	2.38	127.84	124.40
29	B	837	CLA	CHB-C4A-NA	2.38	127.84	124.40
29	A	803	CLA	CAA-CBA-CGA	-2.38	106.45	113.21
29	B	820	CLA	CHB-C4A-NA	2.38	127.83	124.40
29	c	603	CLA	C3B-C4B-NB	-2.38	108.41	110.53
29	d	601	CLA	CHB-C4A-NA	2.38	127.83	124.40
29	B	837	CLA	C3B-C4B-NB	-2.38	108.41	110.53
29	O	201	CLA	CMB-C2B-C1B	-2.38	121.80	125.42
29	B	835	CLA	CHB-C4A-NA	2.38	127.83	124.40
31	7	314	II0	C28-C26-C30	-2.38	119.56	124.18
29	2	608	CLA	CHB-C4A-NA	2.38	127.83	124.40
29	d	602	CLA	CHB-C4A-NA	2.38	127.83	124.40
31	c	619	II0	C32-C30-C26	-2.38	119.96	126.61
37	L	205	8CT	C29-C28-C26	-2.38	121.21	126.32
31	9	318	II0	C32-C34-C36	-2.38	119.85	126.36
31	1	614	II0	C27-C25-C29	-2.38	119.57	124.18
31	3	318	II0	C20-C14-C12	2.37	118.79	114.42
29	B	841	CLA	C3B-C4B-NB	-2.37	108.41	110.53
29	8	305	CLA	CHB-C4A-NA	2.37	127.83	124.40
29	L	202	CLA	O2D-CGD-CBD	2.37	115.38	111.23
29	B	835	CLA	CMB-C2B-C3B	2.37	132.13	126.55
34	4	617	LHG	C27-C26-C25	-2.37	102.39	114.37
29	4	604	CLA	CHB-C4A-NA	2.37	127.82	124.40
29	a	609	CLA	CHB-C4A-NA	2.37	127.82	124.40
29	A	812	CLA	O2A-CGA-O1A	-2.37	117.70	123.63
29	B	822	CLA	C3B-C4B-NB	-2.37	108.42	110.53
29	e	602	CLA	C1-C2-C3	-2.37	122.32	126.20
31	O	205	II0	C32-C30-C26	-2.37	119.99	126.61
31	d	613	II0	C20-C14-C10	-2.37	119.73	124.16
30	Z	306	KC2	CHD-C4C-NC	2.37	127.88	124.31
31	9	323	II0	C30-C32-C34	-2.37	116.34	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
34	Z	309	LHG	C20-C19-C18	-2.37	102.41	114.37
29	4	609	CLA	C3B-C4B-NB	-2.36	108.42	110.53
29	O	201	CLA	C1-C2-C3	-2.36	122.32	126.20
35	X	302	LMG	C1-O6-C5	-2.36	109.10	113.72
31	b	612	II0	C27-C25-C29	-2.36	119.59	124.18
31	3	315	II0	C42-C41-C39	-2.36	118.68	123.52
37	L	205	8CT	C04-C03-C02	-2.36	119.41	122.64
37	B	844	8CT	C11-C10-C03	-2.36	120.69	127.00
29	d	608	CLA	CHB-C4A-NA	2.36	127.81	124.40
29	A	843	CLA	C3B-C4B-NB	-2.36	108.42	110.53
30	9	311	KC2	CHD-C4C-NC	2.36	127.87	124.31
29	3	312	CLA	CHB-C4A-NA	2.36	127.81	124.40
31	c	617	II0	C04-C06-C08	-2.36	108.42	113.59
31	c	617	II0	C42-C41-C39	-2.36	118.69	123.52
31	3	315	II0	C37-C35-C33	2.36	121.69	118.09
30	Z	306	KC2	O2D-CGD-O1D	-2.36	119.25	123.85
30	1	610	KC2	C1B-CHB-C4A	-2.36	121.00	126.02
29	A	835	CLA	CMB-C2B-C3B	2.36	132.10	126.55
29	d	607	CLA	O2A-CGA-O1A	-2.36	117.73	123.63
29	3	304	CLA	CHB-C4A-NA	2.36	127.80	124.40
30	7	310	KC2	O1D-CGD-CBD	-2.36	119.87	124.52
37	B	844	8CT	C25-C24-C23	-2.36	116.37	123.20
34	4	620	LHG	C27-C26-C25	-2.36	102.45	114.37
30	7	310	KC2	C1B-CHB-C4A	-2.36	121.01	126.02
31	7	316	II0	C32-C30-C26	-2.36	120.02	126.61
37	M	101	8CT	C25-C24-C23	-2.36	116.37	123.20
29	A	828	CLA	C3B-C4B-NB	-2.36	108.43	110.53
30	c	610	KC2	O2D-CGD-O1D	-2.36	119.26	123.85
29	B	830	CLA	CHB-C4A-NA	2.35	127.80	124.40
29	9	304	CLA	C3B-C4B-NB	-2.35	108.43	110.53
29	3	305	CLA	CHB-C4A-NA	2.35	127.80	124.40
29	7	303	CLA	CHB-C4A-NA	2.35	127.80	124.40
29	A	808	CLA	CHB-C4A-NA	2.35	127.80	124.40
36	9	301	SQD	O8-S-C6	2.35	110.51	105.97
37	B	845	8CT	C22-C21-C23	2.35	121.68	118.09
30	3	307	KC2	O2D-CGD-O1D	-2.35	119.27	123.85
30	b	605	KC2	CHB-C4A-C3A	-2.35	121.32	125.03
37	Z	307	8CT	C18-C19-C20	-2.35	118.71	123.52
29	F	202	CLA	C1-C2-C3	-2.35	122.35	126.20
31	d	614	II0	C41-C42-C40	-2.35	118.71	123.52
29	A	819	CLA	CMA-C3A-C4A	2.35	118.08	111.77
34	O	208	LHG	C20-C19-C18	-2.35	102.50	114.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	5	604	CLA	O2A-CGA-O1A	-2.35	117.76	123.63
29	A	822	CLA	CHB-C4A-NA	2.35	127.79	124.40
31	3	314	II0	C27-C25-C29	-2.35	119.62	124.18
32	b	613	II3	C42-C38-C37	2.35	121.67	118.09
36	7	321	SQD	O8-S-C6	2.35	110.50	105.97
33	K	104	IHT	C28-C26-C29	-2.35	119.62	124.18
29	A	801	CLA	C1-C2-C3	-2.35	122.35	126.20
29	d	606	CLA	CMA-C3A-C2A	-2.35	110.85	116.23
29	8	302	CLA	CHB-C4A-NA	2.35	127.78	124.40
29	4	606	CLA	CHB-C4A-NA	2.34	127.78	124.40
37	I	101	8CT	C39-C16-C15	2.34	121.67	118.09
29	B	806	CLA	C1-C2-C3	-2.34	122.36	126.20
29	2	604	CLA	O2A-CGA-O1A	-2.34	117.77	123.63
30	6	613	KC2	C1A-NA-C4A	-2.34	105.61	106.68
31	e	614	II0	C19-C13-C09	-2.34	119.78	124.16
37	A	847	8CT	C04-C03-C02	-2.34	119.44	122.64
29	X	301	CLA	CHB-C4A-NA	2.34	127.78	124.40
29	B	840	CLA	C1-C2-C3	-2.34	122.36	126.20
35	F	204	LMG	O2-C2-C1	-2.34	104.50	110.08
31	e	612	II0	C41-C42-C40	-2.34	118.73	123.52
29	B	825	CLA	CHB-C4A-NA	2.34	127.78	124.40
37	Z	308	8CT	C40-C12-C11	2.34	121.66	118.09
29	a	612	CLA	CHB-C4A-NA	2.34	127.78	124.40
29	7	312	CLA	O2D-CGD-CBD	2.34	115.32	111.23
29	B	821	CLA	C1-C2-C3	-2.34	122.36	126.20
33	d	617	IHT	C27-C30-C32	-2.34	116.42	123.20
33	8	309	IHT	C20-C15-C11	-2.34	119.78	124.16
29	a	609	CLA	C1-C2-C3	-2.34	122.36	126.20
31	9	318	II0	C03-C05-C07	-2.34	108.46	113.59
29	6	602	CLA	O2D-CGD-CBD	2.34	115.32	111.23
37	Z	308	8CT	C28-C26-C25	-2.34	115.33	119.01
29	6	605	CLA	C1-C2-C3	-2.34	122.36	126.20
29	B	807	CLA	CHB-C4A-NA	2.34	127.78	124.40
29	B	839	CLA	CHB-C4A-NA	2.34	127.78	124.40
30	1	610	KC2	O1D-CGD-CBD	-2.34	119.91	124.52
29	A	812	CLA	CHB-C4A-NA	2.34	127.77	124.40
37	A	847	8CT	C27-C26-C28	2.34	121.66	118.09
29	6	609	CLA	CHB-C4A-NA	2.34	127.77	124.40
35	Z	310	LMG	C40-C39-C38	-2.34	102.55	114.37
37	B	848	8CT	C11-C10-C03	-2.34	120.75	127.00
29	4	611	CLA	CMB-C2B-C1B	-2.34	121.86	125.42
31	J	102	II0	C27-C25-C29	-2.34	119.65	124.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
33	a	616	IHT	C28-C26-C29	-2.34	119.65	124.18
34	c	623	LHG	C20-C19-C18	-2.33	102.56	114.37
29	B	832	CLA	CHB-C4A-NA	2.33	127.77	124.40
32	b	613	II3	C22-C18-C16	-2.33	119.80	124.16
29	A	838	CLA	CHB-C4A-NA	2.33	127.77	124.40
29	A	853	CLA	C3B-C4B-NB	-2.33	108.45	110.53
29	A	838	CLA	C1-C2-C3	-2.33	122.38	126.20
31	6	615	II0	C32-C34-C36	-2.33	119.97	126.36
29	B	815	CLA	CHB-C4A-NA	2.33	127.77	124.40
37	B	847	8CT	C37-C35-C30	-2.33	106.01	109.55
29	B	824	CLA	C3B-C4B-NB	-2.33	108.45	110.53
33	c	620	IHT	C19-C10-C09	2.33	118.56	113.60
32	1	615	II3	C42-C38-C37	2.33	121.65	118.09
29	3	305	CLA	C1-C2-C3	-2.33	122.38	126.20
38	9	322	DGD	O5D-C6D-C5D	-2.33	104.17	109.42
29	8	302	CLA	O2A-CGA-O1A	-2.33	117.80	123.63
31	3	318	II0	C42-C41-C39	-2.33	118.75	123.52
29	B	811	CLA	CHB-C4A-NA	2.33	127.76	124.40
31	2	615	II0	C32-C30-C26	-2.33	120.10	126.61
30	Z	306	KC2	C1B-CHB-C4A	-2.33	121.07	126.02
29	A	836	CLA	O2A-CGA-O1A	-2.33	117.81	123.63
31	5	614	II0	C06-C04-C10	2.33	114.07	109.49
29	1	607	CLA	CHB-C4A-NA	2.33	127.76	124.40
29	A	829	CLA	CHB-C4A-NA	2.33	127.76	124.40
30	e	609	KC2	C1B-CHB-C4A	-2.33	121.08	126.02
29	A	823	CLA	O2A-CGA-O1A	-2.33	117.81	123.63
29	A	842	CLA	O2A-CGA-O1A	-2.33	117.81	123.63
31	7	317	II0	C32-C30-C26	-2.33	120.11	126.61
31	2	614	II0	C42-C41-C39	-2.33	118.76	123.52
37	A	846	8CT	C22-C21-C23	2.33	121.64	118.09
29	9	312	CLA	CHB-C4A-NA	2.32	127.75	124.40
29	c	603	CLA	C1-C2-C3	-2.32	122.39	126.20
29	e	606	CLA	O1D-CGD-CBD	2.32	129.10	124.52
32	1	615	II3	C22-C18-C16	-2.32	119.81	124.16
37	B	851	8CT	C10-C11-C12	-2.32	122.80	126.23
29	4	603	CLA	C1-C2-C3	-2.32	122.39	126.20
29	O	204	CLA	O2A-CGA-O1A	-2.32	117.82	123.63
30	c	610	KC2	C2A-C3A-C4A	2.32	108.16	106.41
31	3	316	II0	C19-C13-C09	-2.32	119.82	124.16
29	B	840	CLA	CMB-C2B-C3B	2.32	132.01	126.55
29	7	305	CLA	C1-C2-C3	-2.32	122.39	126.20
31	O	206	II0	C03-C05-C07	-2.32	108.50	113.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	9	313	CLA	CHB-C4A-NA	2.32	127.75	124.40
33	1	618	IHT	C02-C07-C10	-2.32	119.46	122.64
31	a	615	II0	C37-C35-C33	2.32	121.63	118.09
29	c	606	CLA	CHB-C4A-NA	2.32	127.75	124.40
29	e	611	CLA	CHB-C4A-NA	2.32	127.75	124.40
29	A	834	CLA	O2A-CGA-O1A	-2.32	117.83	123.63
29	B	823	CLA	CHB-C4A-NA	2.32	127.75	124.40
32	e	613	II3	C30-C28-C31	-2.32	119.68	124.18
31	2	613	II0	C27-C25-C29	-2.32	119.68	124.18
29	B	833	CLA	C1-C2-C3	-2.32	122.40	126.20
29	6	609	CLA	O2D-CGD-CBD	2.32	115.28	111.23
29	A	823	CLA	CHB-C4A-NA	2.32	127.74	124.40
29	d	611	CLA	CHB-C4A-NA	2.32	127.74	124.40
29	9	307	CLA	CMB-C2B-C1B	-2.32	121.89	125.42
29	3	309	CLA	CHB-C4A-NA	2.32	127.74	124.40
31	9	323	II0	C20-C14-C10	-2.31	119.83	124.16
30	4	605	KC2	C1B-CHB-C4A	-2.31	121.10	126.02
37	B	845	8CT	C14-C15-C16	-2.31	120.02	126.36
37	B	848	8CT	C19-C20-C21	-2.31	124.03	127.28
29	B	825	CLA	CMB-C2B-C1B	-2.31	121.90	125.42
31	2	614	II0	C28-C26-C30	-2.31	119.69	124.18
37	K	103	8CT	C22-C21-C23	2.31	121.62	118.09
40	B	842	PQN	C2M-C2-C3	-2.31	120.65	124.45
31	4	615	II0	C19-C13-C09	-2.31	119.84	124.16
31	e	614	II0	C20-C14-C10	-2.31	119.84	124.16
30	d	610	KC2	CHB-C4A-C3A	-2.31	121.38	125.03
29	F	201	CLA	CMB-C2B-C1B	-2.31	121.90	125.42
29	a	601	CLA	CHB-C4A-NA	2.31	127.74	124.40
29	a	607	CLA	CHB-C4A-NA	2.31	127.74	124.40
37	A	847	8CT	C35-C30-C29	-2.31	110.17	112.83
30	Z	306	KC2	CHB-C4A-C3A	-2.31	121.38	125.03
31	3	315	II0	C28-C26-C30	-2.31	119.70	124.18
30	3	307	KC2	C2A-C3A-C4A	2.31	108.14	106.41
37	B	844	8CT	C40-C12-C13	-2.31	119.08	122.82
29	B	804	CLA	CMB-C2B-C1B	-2.31	121.91	125.42
33	5	618	IHT	C31-C34-C35	-2.31	120.04	126.36
29	B	829	CLA	C1-C2-C3	-2.31	122.42	126.20
31	a	613	II0	C20-C14-C12	2.31	118.66	114.42
29	B	832	CLA	O2D-CGD-CBD	2.31	115.26	111.23
31	O	205	II0	C29-C31-C33	-2.31	116.52	123.20
31	1	617	II0	C19-C13-C11	2.30	118.66	114.42
31	4	613	II0	C20-C14-C10	-2.30	119.85	124.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	2	607	CLA	CHB-C4A-NA	2.30	127.72	124.40
31	d	613	II0	C28-C26-C30	-2.30	119.71	124.18
29	A	827	CLA	CMB-C2B-C1B	-2.30	121.91	125.42
31	6	615	II0	C32-C30-C26	-2.30	120.17	126.61
31	3	314	II0	C20-C14-C10	-2.30	119.86	124.16
37	B	843	8CT	C10-C11-C12	-2.30	122.83	126.23
29	1	612	CLA	O2A-CGA-O1A	-2.30	117.87	123.63
29	6	608	CLA	C1-C2-C3	-2.30	122.43	126.20
31	7	315	II0	C28-C26-C30	-2.30	119.72	124.18
29	5	613	CLA	CHB-C4A-NA	2.30	127.72	124.40
31	1	616	II0	C19-C13-C11	2.30	118.65	114.42
31	5	616	II0	C20-C14-C12	2.30	118.65	114.42
31	2	613	II0	C04-C06-C08	-2.30	108.55	113.59
30	d	610	KC2	C1A-NA-C4A	-2.30	105.63	106.68
29	4	601	CLA	CHB-C4A-NA	2.30	127.72	124.40
29	c	602	CLA	CHB-C4A-NA	2.30	127.72	124.40
31	O	206	II0	C27-C25-C29	-2.30	119.72	124.18
37	A	845	8CT	C39-C16-C15	2.30	121.60	118.09
31	R	204	II0	C31-C29-C25	-2.30	120.18	126.61
29	A	839	CLA	C1-C2-C3	-2.30	122.43	126.20
31	1	616	II0	C27-C25-C29	-2.30	119.72	124.18
29	8	304	CLA	CMB-C2B-C1B	-2.30	121.92	125.42
34	4	619	LHG	C18-C17-C16	-2.30	102.75	114.37
37	J	104	8CT	C06-C07-C02	-2.30	109.96	114.06
31	O	206	II0	C28-C26-C30	-2.30	119.72	124.18
29	A	817	CLA	CHB-C4A-NA	2.30	127.71	124.40
29	3	303	CLA	O2D-CGD-CBD	2.30	115.24	111.23
30	1	610	KC2	CHD-C4C-NC	2.30	127.77	124.31
29	B	821	CLA	O2A-CGA-O1A	-2.30	117.89	123.63
34	3	321	LHG	C18-C17-C16	-2.30	102.77	114.37
31	a	613	II0	C28-C26-C30	-2.29	119.72	124.18
30	2	610	KC2	C1A-C2A-C3A	-2.29	105.17	107.28
31	2	615	II0	C42-C40-C36	-2.29	124.06	127.28
37	R	203	8CT	C22-C21-C23	2.29	121.59	118.09
31	5	615	II0	C32-C30-C26	-2.29	120.20	126.61
31	d	613	II0	C42-C41-C39	-2.29	118.83	123.52
31	8	313	II0	C28-C26-C30	-2.29	119.73	124.18
29	B	819	CLA	O2A-CGA-O1A	-2.29	117.89	123.63
29	B	802	CLA	O2A-CGA-O1A	-2.29	117.89	123.63
31	8	310	II0	C31-C29-C25	-2.29	120.20	126.61
29	d	602	CLA	O2A-CGA-O1A	-2.29	117.90	123.63
30	7	310	KC2	CHB-C4A-C3A	-2.29	121.41	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	2	615	II0	C31-C33-C35	-2.29	120.08	126.36
29	1	613	CLA	CHB-C4A-NA	2.29	127.70	124.40
31	5	614	II0	C42-C41-C39	-2.29	118.84	123.52
31	4	612	II0	C32-C30-C26	-2.29	120.21	126.61
37	B	847	8CT	C05-C04-C03	2.29	113.76	110.44
31	7	314	II0	C20-C14-C12	2.29	118.63	114.42
29	c	603	CLA	CHB-C4A-NA	2.29	127.70	124.40
31	9	316	II0	C06-C04-C10	2.28	113.99	109.49
31	8	313	II0	C27-C25-C29	-2.28	119.75	124.18
31	9	316	II0	C28-C26-C30	-2.28	119.75	124.18
31	b	614	II0	C31-C29-C25	-2.28	120.22	126.61
29	A	813	CLA	C3B-C4B-NB	-2.28	108.49	110.53
31	b	614	II0	C32-C30-C26	-2.28	120.23	126.61
29	e	608	CLA	CHB-C4A-NA	2.28	127.69	124.40
31	7	316	II0	C19-C13-C09	-2.28	119.89	124.16
29	A	830	CLA	CMB-C2B-C3B	2.28	131.92	126.55
29	B	802	CLA	CMB-C2B-C1B	-2.28	121.94	125.42
29	6	602	CLA	O2A-CGA-O1A	-2.28	117.92	123.63
31	4	615	II0	C42-C41-C39	-2.28	118.85	123.52
29	1	606	CLA	CHB-C4A-NA	2.28	127.69	124.40
30	6	610	KC2	CHB-C4A-C3A	-2.28	121.43	125.03
29	e	606	CLA	CHB-C4A-NA	2.28	127.69	124.40
31	a	613	II0	C08-C12-C14	-2.28	106.50	112.18
30	a	610	KC2	C1B-CHB-C4A	-2.28	121.17	126.02
31	5	614	II0	C19-C13-C09	-2.28	119.90	124.16
29	B	828	CLA	CHB-C4A-NA	2.28	127.69	124.40
29	c	602	CLA	O2A-CGA-O1A	-2.28	117.93	123.63
37	A	846	8CT	C04-C03-C10	2.28	121.83	115.65
38	B	849	DGD	C3G-C2G-C1G	-2.28	106.47	111.78
30	b	605	KC2	C1B-CHB-C4A	-2.28	121.18	126.02
29	B	812	CLA	CHB-C4A-NA	2.28	127.68	124.40
29	d	611	CLA	C1-C2-C3	-2.28	123.08	126.76
35	8	314	LMG	O6-C1-O1	-2.28	104.67	110.04
31	4	613	II0	C04-C06-C08	-2.27	108.61	113.59
31	d	613	II0	C27-C25-C29	-2.27	119.77	124.18
31	O	206	II0	C41-C42-C40	-2.27	118.87	123.52
29	A	832	CLA	CHB-C4A-NA	2.27	127.68	124.40
37	e	616	8CT	C28-C26-C25	2.27	122.58	119.01
37	B	852	8CT	C24-C25-C26	-2.27	124.09	127.28
35	2	618	LMG	O1-C1-C2	-2.27	104.82	108.27
29	F	201	CLA	CHB-C4A-NA	2.27	127.68	124.40
31	e	614	II0	C27-C25-C29	-2.27	119.77	124.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
37	I	101	8CT	C10-C11-C12	-2.27	122.88	126.23
37	J	104	8CT	C14-C13-C12	-2.27	124.09	127.28
29	a	608	CLA	CMB-C2B-C1B	-2.27	121.96	125.42
31	c	618	II0	C20-C14-C10	-2.27	119.92	124.16
29	3	313	CLA	C3B-C4B-NB	-2.27	108.50	110.53
29	4	602	CLA	O2A-CGA-O1A	-2.27	117.96	123.63
29	7	303	CLA	O2A-CGA-O1A	-2.27	117.96	123.63
29	c	604	CLA	CHB-C4A-NA	2.27	127.67	124.40
30	7	313	KC2	C1B-CHB-C4A	-2.27	121.20	126.02
31	1	617	II0	C32-C34-C36	-2.27	120.15	126.36
30	e	609	KC2	O1D-CGD-CBD	-2.27	120.05	124.52
30	6	613	KC2	C1B-CHB-C4A	-2.27	121.20	126.02
35	F	204	LMG	O7-C10-O9	-2.27	118.41	123.70
29	A	824	CLA	O2D-CGD-CBD	2.26	115.19	111.23
33	8	309	IHT	C03-C05-C08	-2.26	108.63	113.59
31	a	615	II0	C27-C25-C29	-2.26	119.79	124.18
29	B	838	CLA	C1-C2-C3	-2.26	122.49	126.20
32	8	312	II3	C30-C28-C31	-2.26	119.79	124.18
32	1	615	II3	C25-C24-C21	2.26	121.55	118.09
29	A	824	CLA	CHB-C4A-NA	2.26	127.67	124.40
31	O	206	II0	C19-C13-C09	-2.26	119.93	124.16
31	3	316	II0	C27-C25-C29	-2.26	119.79	124.18
29	B	816	CLA	CHB-C4A-NA	2.26	127.66	124.40
29	6	606	CLA	CHB-C4A-NA	2.26	127.66	124.40
37	B	847	8CT	C01-C02-C07	2.26	118.42	113.60
31	c	617	II0	C20-C14-C10	-2.26	119.93	124.16
34	4	618	LHG	C18-C17-C16	-2.26	102.94	114.37
29	A	819	CLA	CMB-C2B-C1B	-2.26	121.98	125.42
29	4	601	CLA	CMB-C2B-C3B	2.26	131.86	126.55
29	B	841	CLA	CHB-C4A-NA	2.26	127.66	124.40
31	4	614	II0	C19-C13-C09	-2.26	119.94	124.16
29	O	203	CLA	C1-C2-C3	-2.26	122.50	126.20
29	a	612	CLA	CMB-C2B-C1B	-2.26	121.98	125.42
33	8	309	IHT	C20-C15-C12	2.26	118.57	114.42
29	e	610	CLA	CHB-C4A-NA	2.26	127.66	124.40
29	3	304	CLA	CMB-C2B-C1B	-2.26	121.98	125.42
30	c	610	KC2	C1B-CHB-C4A	-2.26	121.22	126.02
35	Z	310	LMG	O2-C2-C1	-2.26	104.70	110.08
33	L	204	IHT	C31-C29-C26	-2.26	120.30	126.61
29	8	305	CLA	C1-C2-C3	-2.25	122.50	126.20
29	A	816	CLA	O2A-CGA-O1A	-2.25	117.99	123.63
29	3	303	CLA	O2A-CGA-O1A	-2.25	117.99	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	2	615	II0	C20-C14-C12	2.25	118.56	114.42
31	5	620	II0	C32-C30-C26	-2.25	120.31	126.61
29	b	606	CLA	O1D-CGD-CBD	2.25	128.96	124.52
29	O	204	CLA	CMB-C2B-C1B	-2.25	121.99	125.42
32	1	615	II3	C26-C29-C32	-2.25	116.68	123.20
37	R	203	8CT	C39-C16-C15	2.25	121.53	118.09
30	3	307	KC2	CHB-C4A-C3A	-2.25	121.48	125.03
30	b	609	KC2	C1B-CHB-C4A	-2.25	121.24	126.02
30	a	610	KC2	CHB-C4A-C3A	-2.25	121.48	125.03
29	1	605	CLA	CHB-C4A-NA	2.25	127.64	124.40
31	9	317	II0	C19-C13-C09	-2.25	119.96	124.16
29	A	807	CLA	C3B-C4B-NB	-2.25	108.52	110.53
29	c	612	CLA	O2A-CGA-O1A	-2.25	118.01	123.63
31	9	318	II0	C32-C30-C26	-2.25	120.33	126.61
29	3	305	CLA	O2A-CGA-O1A	-2.25	118.01	123.63
31	5	616	II0	C28-C26-C30	-2.25	119.82	124.18
29	A	828	CLA	CMB-C2B-C1B	-2.25	122.00	125.42
31	4	613	II0	C41-C39-C35	-2.25	124.13	127.28
29	3	312	CLA	O2A-CGA-O1A	-2.24	118.01	123.63
29	B	821	CLA	CMB-C2B-C1B	-2.24	122.00	125.42
31	1	616	II0	C28-C26-C30	-2.24	119.82	124.18
37	B	847	8CT	C14-C13-C12	-2.24	124.13	127.28
32	e	613	II3	C25-C24-C21	2.24	121.52	118.09
31	d	615	II0	C19-C13-C11	2.24	118.55	114.42
30	e	605	KC2	C1B-CHB-C4A	-2.24	121.25	126.02
29	3	309	CLA	O2A-CGA-O1A	-2.24	118.02	123.63
31	9	316	II0	C19-C13-C09	-2.24	119.97	124.16
30	5	610	KC2	C1A-NA-C4A	-2.24	105.66	106.68
37	B	847	8CT	C15-C16-C17	-2.24	115.48	119.01
29	8	304	CLA	C1-C2-C3	-2.24	123.14	126.76
31	a	613	II0	C19-C13-C09	-2.24	119.97	124.16
31	b	614	II0	C19-C13-C09	-2.24	119.97	124.16
33	K	104	IHT	C20-C15-C11	-2.24	119.97	124.16
31	6	614	II0	C30-C32-C34	-2.24	116.71	123.20
31	7	315	II0	C27-C25-C29	-2.24	119.83	124.18
31	c	621	II0	C27-C25-C29	-2.24	119.83	124.18
29	B	809	CLA	CHB-C4A-NA	2.24	127.63	124.40
31	3	314	II0	C42-C41-C39	-2.24	118.94	123.52
37	B	851	8CT	C04-C03-C02	-2.24	119.58	122.64
34	9	321	LHG	C27-C26-C25	-2.24	103.07	114.37
31	d	614	II0	C19-C13-C09	-2.23	119.98	124.16
29	B	841	CLA	CMB-C2B-C1B	-2.23	122.02	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	e	603	CLA	CMB-C2B-C1B	-2.23	122.02	125.42
31	5	616	II0	C19-C13-C11	2.23	118.53	114.42
29	B	838	CLA	O2A-CGA-O1A	-2.23	118.04	123.63
35	Z	310	LMG	O3-C3-C2	-2.23	105.11	110.38
29	B	812	CLA	C1-C2-C3	-2.23	122.54	126.20
31	1	614	II0	C41-C42-C40	-2.23	118.95	123.52
37	A	847	8CT	C06-C07-C02	-2.23	110.08	114.06
29	Z	303	CLA	CHB-C4A-NA	2.23	127.62	124.40
31	3	317	II0	C20-C14-C10	-2.23	119.99	124.16
37	Z	308	8CT	C01-C02-C07	2.23	118.35	113.60
29	5	606	CLA	CHB-C4A-NA	2.23	127.62	124.40
37	I	101	8CT	C27-C26-C28	2.23	121.50	118.09
29	L	203	CLA	CHB-C4A-NA	2.23	127.62	124.40
29	4	603	CLA	CMB-C2B-C3B	2.23	131.80	126.55
29	O	202	CLA	O2D-CGD-CBD	2.23	115.13	111.23
35	8	314	LMG	O2-C2-C1	-2.23	104.76	110.08
37	R	203	8CT	C40-C12-C11	2.23	121.49	118.09
29	d	603	CLA	C1-C2-C3	-2.23	123.16	126.76
34	A	851	LHG	C18-C17-C16	-2.23	103.11	114.37
31	5	617	II0	C31-C29-C25	-2.23	120.38	126.61
31	7	301	II0	C04-C06-C08	-2.23	108.71	113.59
33	c	620	IHT	C19-C10-C07	-2.23	122.05	124.48
31	3	315	II0	C41-C39-C35	-2.23	124.16	127.28
31	2	614	II0	C32-C30-C26	-2.23	120.38	126.61
29	B	813	CLA	CHB-C4A-NA	2.23	127.61	124.40
31	a	613	II0	C06-C04-C10	2.23	113.88	109.49
34	4	617	LHG	C18-C17-C16	-2.23	103.12	114.37
31	2	615	II0	C20-C14-C10	-2.23	120.00	124.16
35	Z	310	LMG	C42-C41-C40	-2.22	103.12	114.37
31	a	613	II0	C20-C14-C10	-2.22	120.00	124.16
31	7	316	II0	C03-C05-C07	-2.22	108.72	113.59
37	A	844	8CT	C40-C12-C11	2.22	121.48	118.09
37	L	205	8CT	C40-C12-C11	2.22	121.48	118.09
34	2	619	LHG	C27-C26-C25	-2.22	103.13	114.37
29	e	603	CLA	C1-C2-C3	-2.22	123.17	126.76
29	A	819	CLA	CHB-C1B-NB	2.22	127.38	124.05
37	B	852	8CT	C01-C02-C07	2.22	118.33	113.60
33	d	617	IHT	C22-C18-C07	-2.22	121.06	127.00
31	8	310	II0	C31-C33-C35	-2.22	120.27	126.36
29	B	821	CLA	CHB-C4A-NA	2.22	127.61	124.40
34	Z	311	LHG	C27-C26-C25	-2.22	103.14	114.37
31	a	614	II0	C42-C40-C36	-2.22	124.16	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	B	841	CLA	O2A-CGA-O1A	-2.22	118.08	123.63
29	A	809	CLA	CHB-C4A-NA	2.22	127.60	124.40
31	3	318	II0	C29-C31-C33	-2.22	116.77	123.20
31	R	201	II0	C07-C11-C13	-2.22	106.66	112.18
34	8	316	LHG	C27-C26-C25	-2.22	103.17	114.37
33	2	616	IHT	C20-C15-C11	-2.22	120.02	124.16
30	3	307	KC2	C1B-CHB-C4A	-2.22	121.31	126.02
29	B	837	CLA	O2D-CGD-CBD	2.22	115.10	111.23
35	2	618	LMG	O3-C3-C2	-2.22	105.15	110.38
29	B	811	CLA	O2A-CGA-O1A	-2.22	118.09	123.63
31	a	613	II0	C29-C31-C33	-2.21	116.78	123.20
30	1	610	KC2	O2D-CGD-O1D	-2.21	119.54	123.85
29	A	801	CLA	O1D-CGD-CBD	2.21	128.88	124.52
37	4	616	8CT	C30-C29-C28	2.21	128.02	124.58
29	A	809	CLA	O2A-CGA-O1A	-2.21	118.09	123.63
31	3	315	II0	C20-C14-C10	-2.21	120.02	124.16
31	d	614	II0	C20-C14-C10	-2.21	120.02	124.16
29	B	831	CLA	CMB-C2B-C3B	2.21	131.75	126.55
30	4	605	KC2	O1D-CGD-CBD	-2.21	120.16	124.52
29	9	307	CLA	CHB-C4A-NA	2.21	127.59	124.40
30	e	605	KC2	O1D-CGD-CBD	-2.21	120.16	124.52
37	B	845	8CT	C39-C16-C15	2.21	121.47	118.09
29	R	202	CLA	CHB-C4A-NA	2.21	127.59	124.40
31	6	614	II0	C19-C13-C11	2.21	118.49	114.42
31	5	616	II0	C07-C11-C13	-2.21	106.67	112.18
29	5	604	CLA	O2D-CGD-CBD	2.21	115.09	111.23
29	A	826	CLA	CMB-C2B-C3B	2.21	131.75	126.55
31	c	619	II0	C37-C35-C33	2.21	121.47	118.09
35	2	618	LMG	O2-C2-C1	-2.21	104.81	110.08
37	e	616	8CT	C19-C18-C17	2.21	128.04	123.52
29	8	308	CLA	O2A-CGA-O1A	-2.21	118.10	123.63
31	a	619	II0	C42-C41-C39	-2.21	119.00	123.52
29	B	835	CLA	C1-C2-C3	-2.21	122.58	126.20
37	J	104	8CT	C24-C25-C26	-2.21	124.18	127.28
29	A	811	CLA	C1-C2-C3	-2.21	122.58	126.20
29	B	826	CLA	O2A-CGA-O1A	-2.21	118.11	123.63
29	A	805	CLA	CHB-C4A-NA	2.21	127.59	124.40
29	1	603	CLA	CMB-C2B-C1B	-2.21	122.06	125.42
29	7	311	CLA	CMB-C2B-C1B	-2.21	122.06	125.42
29	a	608	CLA	O2A-CGA-O1A	-2.21	118.11	123.63
31	4	613	II0	C28-C26-C30	-2.21	119.90	124.18
29	A	816	CLA	C1-C2-C3	-2.21	122.58	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	1	602	CLA	CMB-C2B-C1B	-2.20	122.06	125.42
34	Z	309	LHG	C18-C17-C16	-2.20	103.23	114.37
31	8	311	II0	C27-C25-C29	-2.20	119.90	124.18
31	R	204	II0	C27-C25-C29	-2.20	119.90	124.18
37	I	101	8CT	C40-C12-C11	2.20	121.45	118.09
31	9	317	II0	C28-C26-C30	-2.20	119.90	124.18
34	5	621	LHG	C27-C26-C25	-2.20	103.23	114.37
31	6	614	II0	C27-C25-C29	-2.20	119.90	124.18
29	e	606	CLA	C1-C2-C3	-2.20	122.59	126.20
34	1	619	LHG	C27-C26-C25	-2.20	103.24	114.37
29	A	815	CLA	O2A-CGA-O1A	-2.20	118.12	123.63
36	3	320	SQD	O8-S-C6	2.20	110.22	105.97
29	A	843	CLA	CMB-C2B-C3B	2.20	131.73	126.55
29	A	821	CLA	C1-C2-C3	-2.20	122.59	126.20
29	A	825	CLA	C1-C2-C3	-2.20	122.59	126.20
29	2	603	CLA	CMB-C2B-C3B	2.20	131.73	126.55
29	A	814	CLA	CMB-C2B-C1B	-2.20	122.07	125.42
29	d	608	CLA	CMB-C2B-C1B	-2.20	122.07	125.42
33	Z	301	IHT	C31-C34-C35	-2.20	120.33	126.36
29	A	828	CLA	O2A-CGA-O1A	-2.20	118.13	123.63
29	B	813	CLA	CMB-C2B-C1B	-2.20	122.07	125.42
31	8	311	II0	C03-C05-C07	-2.20	108.77	113.59
29	A	821	CLA	O2A-CGA-O1A	-2.20	118.13	123.63
37	Z	308	8CT	C22-C21-C23	2.20	121.44	118.09
29	8	302	CLA	C1-C2-C3	-2.20	122.60	126.20
29	a	607	CLA	C1-C2-C3	-2.20	122.60	126.20
29	O	201	CLA	CHB-C4A-NA	2.20	127.57	124.40
30	d	610	KC2	C1B-CHB-C4A	-2.20	121.35	126.02
31	c	621	II0	C41-C42-C40	-2.19	119.03	123.52
37	Z	308	8CT	C35-C30-C29	-2.19	110.30	112.83
29	e	606	CLA	CMB-C2B-C1B	-2.19	122.08	125.42
29	B	816	CLA	CMB-C2B-C3B	2.19	131.71	126.55
31	9	319	II0	C31-C29-C25	-2.19	120.48	126.61
37	A	847	8CT	C22-C21-C23	2.19	121.44	118.09
32	b	613	II3	C41-C39-C36	-2.19	119.03	123.52
29	B	828	CLA	CMB-C2B-C3B	2.19	131.71	126.55
31	c	616	II0	C28-C26-C30	-2.19	119.92	124.18
31	5	615	II0	C07-C11-C13	-2.19	106.72	112.18
29	b	611	CLA	O2A-CGA-O1A	-2.19	118.14	123.63
31	3	318	II0	C20-C14-C10	-2.19	120.06	124.16
31	5	616	II0	C32-C34-C36	-2.19	120.35	126.36
29	5	602	CLA	O2A-CGA-O1A	-2.19	118.15	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
37	A	846	8CT	C19-C18-C17	-2.19	119.04	123.52
33	6	616	IHT	C02-C07-C18	2.19	121.59	115.65
29	9	306	CLA	CHB-C4A-NA	2.19	127.56	124.40
29	A	819	CLA	C2A-C1A-CHA	2.19	127.67	123.87
32	b	613	II3	C39-C41-C40	-2.19	119.04	123.52
29	9	308	CLA	C1-C2-C3	-2.19	122.61	126.20
30	5	610	KC2	C1B-CHB-C4A	-2.19	121.37	126.02
29	b	603	CLA	O2D-CGD-CBD	2.19	115.06	111.23
29	B	826	CLA	CMB-C2B-C1B	-2.19	122.09	125.42
37	B	843	8CT	C39-C16-C15	2.19	121.43	118.09
34	3	321	LHG	C27-C26-C25	-2.19	103.32	114.37
37	A	844	8CT	C22-C21-C23	2.19	121.43	118.09
29	9	303	CLA	C1-C2-C3	-2.19	122.62	126.20
31	1	614	II0	C19-C13-C11	2.19	118.44	114.42
31	J	102	II0	C29-C31-C33	-2.18	116.87	123.20
29	B	818	CLA	CHB-C4A-NA	2.18	127.55	124.40
31	9	317	II0	C04-C06-C08	-2.18	108.80	113.59
34	A	850	LHG	C20-C19-C18	-2.18	103.33	114.37
33	5	618	IHT	C06-C09-C10	-2.18	110.16	114.06
31	2	614	II0	C27-C25-C29	-2.18	119.94	124.18
29	c	603	CLA	O2A-CGA-O1A	-2.18	118.17	123.63
35	3	319	LMG	C1-O6-C5	-2.18	109.46	113.72
29	B	827	CLA	CHB-C4A-NA	2.18	127.55	124.40
29	A	805	CLA	O2D-CGD-CBD	2.18	115.05	111.23
34	O	208	LHG	C27-C26-C25	-2.18	103.33	114.37
38	B	849	DGD	CFB-CEB-CDB	-2.18	103.34	114.37
29	4	611	CLA	C3B-C4B-NB	-2.18	108.58	110.53
29	d	608	CLA	O2A-CGA-O1A	-2.18	118.17	123.63
31	c	619	II0	C29-C31-C33	-2.18	116.88	123.20
29	L	203	CLA	C3B-C4B-NB	-2.18	108.58	110.53
31	7	301	II0	C05-C03-C09	2.18	113.78	109.49
31	O	205	II0	C41-C42-C40	-2.18	119.06	123.52
34	3	301	LHG	C27-C26-C25	-2.18	103.36	114.37
37	M	101	8CT	C27-C26-C28	2.18	121.42	118.09
29	b	606	CLA	CMB-C2B-C3B	2.18	131.67	126.55
31	b	612	II0	C32-C30-C26	-2.18	120.52	126.61
33	K	104	IHT	C31-C29-C26	-2.18	120.52	126.61
31	R	201	II0	C31-C29-C25	-2.18	120.53	126.61
29	1	604	CLA	O2A-CGA-O1A	-2.18	117.74	123.33
29	B	834	CLA	CMB-C2B-C1B	-2.18	122.11	125.42
29	B	826	CLA	O2D-CGD-CBD	2.18	115.03	111.23
37	A	845	8CT	C24-C23-C21	-2.18	120.40	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	a	613	II0	C27-C25-C29	-2.18	119.96	124.18
29	A	832	CLA	O2A-CGA-O1A	-2.17	118.19	123.63
31	d	616	II0	C20-C14-C12	2.17	118.42	114.42
29	B	819	CLA	C1-C2-C3	-2.17	122.64	126.20
31	5	614	II0	C32-C34-C36	-2.17	120.41	126.36
38	9	322	DGD	CAB-C9B-C8B	-2.17	103.39	114.37
31	7	315	II0	C37-C35-C33	2.17	121.41	118.09
31	4	615	II0	C03-C05-C07	-2.17	108.83	113.59
30	e	605	KC2	O2A-CGA-O1A	-2.17	118.28	122.70
31	7	317	II0	C29-C31-C33	-2.17	116.91	123.20
29	A	810	CLA	O2A-CGA-O1A	-2.17	118.20	123.63
29	7	303	CLA	O2D-CGD-CBD	2.17	115.02	111.23
29	A	837	CLA	O2A-CGA-O1A	-2.17	118.20	123.63
29	d	605	CLA	O2D-CGD-CBD	2.17	115.02	111.23
29	B	825	CLA	CAA-C2A-C1A	-2.17	104.86	111.97
34	b	616	LHG	C27-C26-C25	-2.17	103.40	114.37
29	9	307	CLA	CMB-C2B-C3B	2.17	131.65	126.55
30	c	610	KC2	C1A-C2A-C3A	-2.17	105.29	107.28
37	B	846	8CT	C22-C21-C23	2.17	121.40	118.09
37	Z	307	8CT	C40-C12-C11	2.17	121.40	118.09
33	Z	301	IHT	C18-C07-C10	-2.17	116.56	121.56
31	5	617	II0	C28-C26-C30	-2.17	119.97	124.18
29	R	202	CLA	C2A-C1A-CHA	2.17	127.63	123.87
33	a	616	IHT	C27-C30-C32	-2.17	116.92	123.20
32	8	312	II3	C26-C29-C32	-2.17	116.92	123.20
29	B	805	CLA	CMB-C2B-C3B	2.17	131.64	126.55
34	c	623	LHG	C18-C17-C16	-2.16	103.43	114.37
29	a	611	CLA	C1-C2-C3	-2.16	122.65	126.20
35	F	204	LMG	O3-C3-C2	-2.16	105.28	110.38
31	c	616	II0	C04-C06-C08	-2.16	108.85	113.59
31	2	613	II0	C31-C29-C25	-2.16	120.56	126.61
29	a	606	CLA	O2A-CGA-O1A	-2.16	118.22	123.63
29	A	830	CLA	O2D-CGD-CBD	2.16	115.01	111.23
37	B	845	8CT	C04-C03-C02	-2.16	119.68	122.64
34	7	319	LHG	C27-C26-C25	-2.16	103.44	114.37
37	B	843	8CT	C40-C12-C11	2.16	121.39	118.09
34	L	207	LHG	C27-C26-C25	-2.16	103.44	114.37
34	L	208	LHG	C27-C26-C25	-2.16	103.44	114.37
29	R	202	CLA	CMB-C2B-C1B	-2.16	122.13	125.42
37	Z	307	8CT	C22-C21-C23	2.16	121.39	118.09
37	M	101	8CT	C04-C03-C02	-2.16	119.69	122.64
29	A	837	CLA	O2D-CGD-CBD	2.16	115.00	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	c	617	II0	C19-C13-C09	-2.16	120.13	124.16
37	J	104	8CT	C28-C26-C25	-2.16	115.62	119.01
29	b	608	CLA	O2A-CGA-O1A	-2.16	118.24	123.63
29	6	606	CLA	O2A-CGA-O1A	-2.15	118.24	123.63
31	d	614	II0	C38-C36-C34	2.15	121.38	118.09
30	b	609	KC2	O1D-CGD-CBD	-2.15	120.27	124.52
31	7	316	II0	C28-C26-C30	-2.15	120.00	124.18
31	7	314	II0	C29-C31-C33	-2.15	116.96	123.20
33	2	616	IHT	C06-C09-C10	-2.15	110.22	114.06
29	B	802	CLA	CMB-C2B-C3B	2.15	131.61	126.55
29	A	827	CLA	CHB-C4A-NA	2.15	127.50	124.40
29	B	809	CLA	O2A-CGA-O1A	-2.15	118.25	123.63
29	L	201	CLA	O2A-CGA-O1A	-2.15	118.25	123.63
31	b	612	II0	C20-C14-C10	-2.15	120.14	124.16
31	7	317	II0	C28-C26-C30	-2.15	120.00	124.18
34	8	316	LHG	C18-C17-C16	-2.15	103.50	114.37
34	B	801	LHG	C27-C26-C25	-2.15	103.50	114.37
31	6	614	II0	C19-C13-C09	-2.15	120.14	124.16
29	3	310	CLA	O2A-CGA-O1A	-2.15	118.25	123.63
38	9	322	DGD	O6E-C1E-O5D	-2.15	104.97	110.04
31	9	319	II0	C37-C35-C33	2.15	121.37	118.09
31	3	316	II0	C20-C14-C12	2.15	118.37	114.42
30	9	311	KC2	CHB-C4A-C3A	-2.15	121.64	125.03
29	A	843	CLA	C1-C2-C3	-2.15	122.68	126.20
29	Z	302	CLA	O2A-CGA-O1A	-2.15	118.25	123.63
30	c	614	KC2	CHD-C4C-NC	2.15	127.55	124.31
35	8	314	LMG	O3-C3-C2	-2.15	105.31	110.38
29	A	855	CLA	CHB-C4A-NA	2.15	127.50	124.40
35	6	617	LMG	O2-C2-C1	-2.15	104.96	110.08
37	Z	307	8CT	C05-C04-C03	2.15	113.56	110.44
31	5	615	II0	C32-C34-C36	-2.15	120.48	126.36
31	4	614	II0	C38-C36-C40	-2.15	119.34	122.82
30	b	605	KC2	C1A-NA-C4A	-2.15	105.70	106.68
31	8	311	II0	C41-C42-C40	-2.15	119.13	123.52
31	9	316	II0	C08-C12-C14	-2.15	106.84	112.18
31	5	620	II0	C19-C13-C09	-2.15	120.15	124.16
33	d	617	IHT	C30-C27-C23	-2.14	124.27	127.28
29	b	602	CLA	O2D-CGD-CBD	2.14	114.98	111.23
37	B	851	8CT	C13-C14-C15	-2.14	116.99	123.20
29	A	817	CLA	CMB-C2B-C3B	2.14	131.59	126.55
31	8	311	II0	C19-C13-C09	-2.14	120.15	124.16
31	4	613	II0	C37-C35-C33	2.14	121.36	118.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
33	8	309	IHT	C40-C41-C38	-2.14	119.14	123.52
33	6	616	IHT	C28-C26-C29	-2.14	120.02	124.18
29	A	808	CLA	O2A-CGA-O1A	-2.14	118.27	123.63
29	3	306	CLA	C1-C2-C3	-2.14	122.69	126.20
29	B	840	CLA	CHB-C4A-NA	2.14	127.49	124.40
29	b	603	CLA	CMB-C2B-C1B	-2.14	122.16	125.42
29	8	303	CLA	CHB-C4A-NA	2.14	127.49	124.40
29	d	603	CLA	O2A-CGA-O1A	-2.14	118.28	123.63
33	c	620	IHT	C29-C31-C34	-2.14	117.00	123.20
29	a	612	CLA	O2A-CGA-O1A	-2.14	118.28	123.63
29	A	838	CLA	O2D-CGD-CBD	2.14	114.97	111.23
30	7	313	KC2	C2A-C3A-C4A	2.14	108.02	106.41
34	A	851	LHG	C27-C26-C25	-2.14	103.56	114.37
29	3	304	CLA	O1D-CGD-CBD	2.14	128.73	124.52
29	b	602	CLA	CMB-C2B-C1B	-2.14	122.17	125.42
29	d	612	CLA	C1-C2-C3	-2.14	122.70	126.20
31	e	615	II0	C19-C13-C09	-2.13	120.17	124.16
32	8	312	II3	C25-C24-C21	2.13	121.35	118.09
29	B	822	CLA	O2A-CGA-O1A	-2.13	118.29	123.63
29	B	829	CLA	C2D-C1D-ND	-2.13	108.01	110.13
37	B	844	8CT	C19-C18-C17	-2.13	119.15	123.52
29	a	609	CLA	O2A-CGA-O1A	-2.13	118.29	123.63
29	b	607	CLA	CMB-C2B-C1B	-2.13	122.17	125.42
30	2	610	KC2	C1B-CHB-C4A	-2.13	121.49	126.02
33	6	616	IHT	C31-C29-C26	-2.13	120.65	126.61
29	4	603	CLA	O2D-CGD-CBD	2.13	114.96	111.23
29	K	101	CLA	O2A-CGA-O1A	-2.13	118.29	123.63
36	B	850	SQD	O8-S-C6	2.13	110.09	105.97
30	b	605	KC2	O1D-CGD-CBD	-2.13	120.31	124.52
31	4	615	II0	C20-C14-C12	2.13	118.34	114.42
30	a	610	KC2	O2D-CGD-O1D	-2.13	119.70	123.85
37	J	104	8CT	C40-C12-C11	2.13	121.34	118.09
31	9	317	II0	C31-C29-C25	-2.13	120.65	126.61
35	3	319	LMG	O3-C3-C2	-2.13	105.35	110.38
31	c	621	II0	C07-C11-C13	-2.13	106.88	112.18
29	B	820	CLA	C1-C2-C3	-2.13	122.71	126.20
29	A	824	CLA	CAA-C2A-C1A	-2.13	105.00	111.97
31	9	318	II0	O01-C07-C05	-2.13	105.39	109.75
29	A	840	CLA	O1D-CGD-CBD	2.13	128.72	124.52
29	A	823	CLA	CMB-C2B-C3B	2.13	131.56	126.55
34	Z	309	LHG	C27-C26-C25	-2.13	103.61	114.37
31	5	614	II0	C20-C14-C10	-2.13	120.18	124.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	4	614	II0	C04-C06-C08	-2.13	108.93	113.59
29	2	603	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
34	2	619	LHG	C5-O7-C7	-2.13	112.70	117.80
29	B	820	CLA	CAA-CBA-CGA	-2.13	107.17	113.21
37	B	844	8CT	C18-C19-C20	-2.13	119.17	123.52
31	5	617	II0	C27-C25-C29	-2.13	120.05	124.18
31	9	323	II0	C19-C13-C09	-2.13	120.18	124.16
31	2	615	II0	C31-C29-C25	-2.13	120.66	126.61
35	3	319	LMG	C1-C2-C3	-2.13	105.54	110.01
29	1	602	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
29	2	608	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
31	1	617	II0	C20-C14-C10	-2.13	120.18	124.16
31	2	614	II0	C20-C14-C12	2.13	118.33	114.42
31	c	618	II0	C32-C30-C26	-2.13	120.67	126.61
35	3	319	LMG	O2-C2-C1	-2.13	105.01	110.08
29	e	603	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
31	7	316	II0	C42-C41-C39	-2.12	119.17	123.52
38	9	322	DGD	O3E-C3E-C2E	-2.12	105.37	110.38
29	4	611	CLA	CMB-C2B-C3B	2.12	131.55	126.55
33	K	104	IHT	C03-C05-C08	-2.12	108.94	113.59
31	7	315	II0	C20-C14-C10	-2.12	120.19	124.16
31	6	614	II0	C04-C06-C08	-2.12	108.94	113.59
29	A	818	CLA	O2A-CGA-O1A	-2.12	118.32	123.63
29	8	308	CLA	CHB-C4A-NA	2.12	127.46	124.40
37	Z	307	8CT	C39-C16-C15	2.12	121.33	118.09
33	Z	301	IHT	C41-C40-C37	-2.12	119.18	123.52
29	e	611	CLA	O2A-CGA-O1A	-2.12	118.32	123.63
37	B	852	8CT	C19-C18-C17	-2.12	119.18	123.52
31	8	310	II0	C27-C25-C29	-2.12	120.06	124.18
31	a	619	II0	C20-C14-C10	-2.12	120.20	124.16
29	6	608	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
29	7	305	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
29	A	820	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
34	4	617	LHG	O8-C23-O10	-2.12	118.33	123.63
31	5	616	II0	C41-C42-C40	-2.12	119.18	123.52
29	c	615	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
31	b	614	II0	C03-C05-C07	-2.12	108.95	113.59
29	d	608	CLA	O2D-CGD-CBD	2.12	114.93	111.23
31	J	102	II0	C16-C03-C09	-2.12	106.72	110.52
29	O	203	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
31	7	314	II0	C20-C14-C10	-2.12	120.20	124.16
29	B	809	CLA	CMB-C2B-C3B	2.12	131.53	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	6	614	II0	C28-C26-C30	-2.12	120.07	124.18
29	b	602	CLA	O2A-CGA-O1A	-2.12	118.34	123.63
29	A	827	CLA	CMB-C2B-C3B	2.11	131.52	126.55
29	B	807	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
29	B	806	CLA	O1D-CGD-CBD	2.11	128.69	124.52
32	8	312	II3	C34-C37-C38	-2.11	120.57	126.36
29	A	808	CLA	CMB-C2B-C1B	-2.11	122.20	125.42
29	L	202	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
29	1	603	CLA	C1-C2-C3	-2.11	122.73	126.20
31	4	613	II0	C27-C25-C29	-2.11	120.08	124.18
37	Z	308	8CT	C24-C25-C26	-2.11	124.31	127.28
29	a	612	CLA	C1-C2-C3	-2.11	122.74	126.20
31	c	618	II0	C29-C31-C33	-2.11	117.08	123.20
29	a	611	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
34	A	850	LHG	C27-C26-C25	-2.11	103.70	114.37
30	7	313	KC2	O2D-CGD-O1D	-2.11	119.74	123.85
29	7	308	CLA	CMB-C2B-C1B	-2.11	122.21	125.42
35	Z	310	LMG	C1-C2-C3	-2.11	105.57	110.01
29	A	830	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
38	9	322	DGD	CBB-CAB-C9B	-2.11	103.70	114.37
34	7	320	LHG	C27-C26-C25	-2.11	103.71	114.37
29	F	202	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
37	e	616	8CT	C40-C12-C11	2.11	121.31	118.09
37	F	203	8CT	C19-C18-C17	-2.11	119.20	123.52
33	L	204	IHT	C39-C35-C34	2.11	121.31	118.09
29	e	604	CLA	C1-C2-C3	-2.11	122.74	126.20
29	A	820	CLA	CMB-C2B-C1B	-2.11	122.21	125.42
31	7	315	II0	C42-C41-C39	-2.11	119.21	123.52
33	6	616	IHT	C22-C18-C07	-2.11	121.37	127.00
34	c	623	LHG	C5-O7-C7	-2.11	112.75	117.80
31	2	613	II0	C38-C36-C34	2.11	121.31	118.09
33	L	204	IHT	C25-C23-C22	2.11	121.31	118.09
37	B	852	8CT	C22-C21-C23	2.11	121.31	118.09
29	4	604	CLA	CMB-C2B-C1B	-2.11	122.21	125.42
31	c	616	II0	C20-C14-C10	-2.11	120.22	124.16
33	8	309	IHT	C39-C35-C34	2.11	121.30	118.09
37	b	615	8CT	C19-C18-C17	2.10	127.83	123.52
29	6	605	CLA	O2A-CGA-O1A	-2.10	118.36	123.63
33	L	204	IHT	C02-C07-C10	-2.10	119.76	122.64
29	5	608	CLA	O2A-CGA-O1A	-2.10	118.36	123.63
35	X	302	LMG	O8-C28-O10	-2.10	118.36	123.63
37	A	844	8CT	C39-C16-C15	2.10	121.30	118.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	A	840	CLA	CHB-C1B-NB	2.10	127.20	124.05
34	8	315	LHG	C27-C26-C25	-2.10	103.73	114.37
29	A	805	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
32	b	613	II3	C22-C18-C17	2.10	118.29	114.42
29	Z	303	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
29	B	836	CLA	O2D-CGD-CBD	2.10	114.91	111.23
29	A	812	CLA	CMB-C2B-C1B	-2.10	122.22	125.42
31	e	615	II0	C32-C30-C26	-2.10	120.73	126.61
30	7	313	KC2	C1A-NA-C4A	-2.10	105.72	106.68
29	4	608	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
29	6	604	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
29	A	827	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
29	B	825	CLA	CMB-C2B-C3B	2.10	131.49	126.55
29	B	816	CLA	O2D-CGD-CBD	2.10	114.90	111.23
29	9	307	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
29	4	608	CLA	C1-C2-C3	-2.10	122.76	126.20
29	c	603	CLA	CMB-C2B-C3B	2.10	131.49	126.55
31	e	612	II0	C04-C06-C08	-2.10	108.99	113.59
31	d	616	II0	C33-C35-C39	2.10	122.31	119.01
31	5	614	II0	C29-C31-C33	-2.10	117.12	123.20
29	A	801	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
29	B	816	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
30	5	610	KC2	CHB-C4A-C3A	-2.10	121.72	125.03
29	B	812	CLA	O2D-CGD-CBD	2.10	114.89	111.23
30	b	609	KC2	C1A-C2A-C3A	-2.10	105.35	107.28
37	B	852	8CT	C40-C12-C13	-2.10	119.42	122.82
29	9	307	CLA	C3B-C4B-NB	-2.10	108.66	110.53
29	4	611	CLA	O2A-CGA-O1A	-2.10	118.39	123.63
29	a	607	CLA	O2A-CGA-O1A	-2.10	118.39	123.63
29	B	835	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
31	9	317	II0	C38-C36-C34	2.09	121.29	118.09
29	e	607	CLA	CMB-C2B-C1B	-2.09	122.23	125.42
29	A	837	CLA	CAA-CBA-CGA	-2.09	107.27	113.21
37	L	205	8CT	C39-C16-C15	2.09	121.28	118.09
35	2	618	LMG	O7-C10-O9	-2.09	118.81	123.70
31	d	616	II0	C32-C30-C26	-2.09	120.76	126.61
29	1	603	CLA	O1D-CGD-CBD	2.09	128.64	124.52
29	B	818	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
31	8	313	II0	C04-C06-C08	-2.09	109.01	113.59
31	4	615	II0	C32-C30-C26	-2.09	120.77	126.61
31	8	311	II0	C32-C30-C26	-2.09	120.77	126.61
29	A	825	CLA	O2A-CGA-O1A	-2.09	118.40	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	O	201	CLA	CMB-C2B-C3B	2.09	131.46	126.55
31	1	616	II0	C20-C14-C10	-2.09	120.25	124.16
29	e	602	CLA	CMB-C2B-C3B	2.09	131.46	126.55
29	A	815	CLA	CAC-C3C-C4C	2.09	127.51	124.79
29	b	610	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
29	L	203	CLA	O2D-CGD-CBD	2.09	114.88	111.23
31	e	614	II0	C30-C32-C34	-2.09	117.15	123.20
29	1	608	CLA	CMB-C2B-C1B	-2.09	122.24	125.42
31	c	621	II0	C03-C05-C07	-2.09	109.02	113.59
29	4	610	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
29	3	312	CLA	C1-C2-C3	-2.09	123.39	126.76
29	4	607	CLA	CMB-C2B-C3B	2.09	131.46	126.55
29	F	201	CLA	CMB-C2B-C3B	2.09	131.46	126.55
30	c	610	KC2	CHB-C4A-C3A	-2.09	121.73	125.03
33	L	204	IHT	C20-C15-C11	-2.09	120.26	124.16
37	7	318	8CT	C11-C12-C13	2.09	122.29	119.01
37	J	104	8CT	C09-C04-C03	-2.08	106.97	110.24
29	2	602	CLA	O2A-CGA-O1A	-2.08	118.41	123.63
29	2	603	CLA	O2D-CGD-CBD	2.08	114.87	111.23
37	B	846	8CT	C25-C24-C23	-2.08	117.16	123.20
31	7	314	II0	C37-C35-C33	2.08	121.27	118.09
37	Z	307	8CT	C29-C28-C26	-2.08	121.84	126.32
31	7	316	II0	C20-C14-C10	-2.08	120.27	124.16
29	a	612	CLA	CMB-C2B-C3B	2.08	131.45	126.55
31	3	317	II0	C31-C33-C35	-2.08	120.65	126.36
29	6	607	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
29	A	839	CLA	CHB-C4A-NA	2.08	127.40	124.40
37	R	203	8CT	C28-C26-C25	-2.08	115.73	119.01
29	A	826	CLA	C3B-C4B-NB	-2.08	108.67	110.53
29	d	611	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
31	a	615	II0	C19-C13-C09	-2.08	120.27	124.16
31	7	315	II0	C32-C30-C26	-2.08	120.80	126.61
29	B	802	CLA	C1-C2-C3	-2.08	122.79	126.20
30	6	610	KC2	O2A-CGA-O1A	-2.08	118.47	122.70
29	3	304	CLA	CMB-C2B-C3B	2.08	131.44	126.55
37	I	101	8CT	C04-C03-C10	2.08	121.29	115.65
29	4	601	CLA	C1-C2-C3	-2.08	122.79	126.20
29	4	607	CLA	O2A-CGA-O1A	-2.08	118.43	123.63
29	e	603	CLA	CMB-C2B-C3B	2.08	131.44	126.55
40	B	842	PQN	C16-C15-C13	-2.08	108.41	113.47
29	c	602	CLA	O1D-CGD-CBD	2.08	128.62	124.52
31	9	319	II0	C30-C32-C34	-2.08	117.18	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	1	617	II0	C28-C26-C30	-2.08	120.15	124.18
37	M	101	8CT	C24-C23-C21	-2.08	120.67	126.36
29	B	841	CLA	CAA-CBA-CGA	-2.08	107.32	113.21
29	B	831	CLA	O2A-CGA-O1A	-2.07	118.44	123.63
30	c	614	KC2	O1D-CGD-CBD	-2.07	120.43	124.52
37	B	851	8CT	C27-C26-C25	-2.07	119.46	122.82
37	F	203	8CT	C28-C26-C25	-2.07	115.75	119.01
31	8	311	II0	C20-C14-C12	2.07	118.23	114.42
31	9	318	II0	C28-C26-C30	-2.07	120.16	124.18
37	A	844	8CT	C05-C04-C03	2.07	113.45	110.44
37	B	846	8CT	C39-C16-C15	2.07	121.25	118.09
29	A	831	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
29	B	825	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
31	5	616	II0	C31-C33-C35	-2.07	120.69	126.36
37	B	847	8CT	C22-C21-C23	2.07	121.25	118.09
31	1	616	II0	C38-C36-C40	-2.07	119.46	122.82
29	A	828	CLA	O1D-CGD-CBD	2.07	128.60	124.52
29	B	808	CLA	O2D-CGD-CBD	2.07	114.85	111.23
34	O	208	LHG	C18-C17-C16	-2.07	103.91	114.37
29	A	811	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
31	b	612	II0	C32-C34-C36	-2.07	120.69	126.36
29	B	827	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
32	e	613	II3	C31-C34-C37	-2.07	117.21	123.20
31	7	317	II0	C31-C33-C35	-2.07	120.69	126.36
37	B	845	8CT	C01-C02-C07	2.07	118.00	113.60
31	8	311	II0	C28-C26-C30	-2.07	120.17	124.18
30	4	605	KC2	CHB-C4A-C3A	-2.07	121.77	125.03
29	A	812	CLA	C1-C2-C3	-2.07	122.81	126.20
36	3	322	SQD	C1-O5-C5	-2.06	109.69	113.72
31	e	612	II0	C19-C13-C09	-2.06	120.30	124.16
36	B	850	SQD	O5-C1-C2	2.06	114.61	110.37
29	B	806	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
31	9	323	II0	C38-C36-C34	2.06	121.24	118.09
31	3	317	II0	C30-C32-C34	-2.06	117.22	123.20
29	a	605	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
30	d	610	KC2	O2A-CGA-O1A	-2.06	118.50	122.70
29	e	610	CLA	CMB-C2B-C1B	-2.06	122.28	125.42
30	c	614	KC2	C2D-C1D-ND	-2.06	108.19	110.33
29	A	839	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
31	d	615	II0	C19-C13-C09	-2.06	120.31	124.16
29	b	607	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
29	6	603	CLA	CMB-C2B-C3B	2.06	131.40	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	c	604	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
37	b	615	8CT	C40-C12-C11	2.06	121.23	118.09
33	2	616	IHT	C20-C15-C12	2.06	118.21	114.42
29	B	820	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
37	K	103	8CT	C27-C26-C28	2.06	121.23	118.09
37	B	844	8CT	C01-C02-C07	2.06	117.98	113.60
29	3	304	CLA	C1-C2-C3	-2.06	122.83	126.20
31	R	204	II0	C20-C14-C10	-2.06	120.31	124.16
29	b	603	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
31	c	617	II0	C41-C39-C35	-2.06	124.39	127.28
29	B	827	CLA	C3B-C4B-NB	-2.06	108.69	110.53
37	e	616	8CT	C30-C29-C28	2.06	127.78	124.58
37	Z	308	8CT	C10-C11-C12	-2.06	123.19	126.23
31	2	615	II0	C19-C13-C09	-2.06	120.31	124.16
33	8	309	IHT	C29-C31-C34	-2.06	117.24	123.20
29	B	805	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
31	3	316	II0	C28-C26-C30	-2.06	120.19	124.18
33	9	320	IHT	C28-C26-C29	-2.06	120.19	124.18
33	L	204	IHT	C18-C22-C23	-2.06	123.19	126.23
37	K	103	8CT	C35-C30-C29	-2.06	110.46	112.83
35	6	617	LMG	O3-C3-C2	-2.05	105.53	110.38
29	4	602	CLA	O1D-CGD-CBD	2.05	128.57	124.52
31	R	201	II0	C30-C32-C34	-2.05	117.25	123.20
33	5	618	IHT	C28-C26-C29	-2.05	120.19	124.18
29	7	312	CLA	CAA-C2A-C3A	-2.05	107.45	113.00
29	d	612	CLA	C3B-C4B-NB	-2.05	108.70	110.53
31	c	617	II0	C37-C35-C33	2.05	121.23	118.09
31	3	315	II0	C27-C25-C29	-2.05	120.19	124.18
37	B	852	8CT	C39-C16-C15	2.05	121.22	118.09
31	5	616	II0	C30-C32-C34	-2.05	117.25	123.20
38	9	322	DGD	C5B-C4B-C3B	-2.05	103.99	114.37
31	9	318	II0	C20-C14-C10	-2.05	120.32	124.16
30	9	311	KC2	O2D-CGD-O1D	-2.05	119.85	123.85
29	7	303	CLA	CMB-C2B-C1B	-2.05	122.30	125.42
31	J	102	II0	C38-C36-C34	2.05	121.22	118.09
29	d	612	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
31	4	614	II0	C41-C42-C40	-2.05	119.32	123.52
33	5	618	IHT	C02-C07-C10	-2.05	119.83	122.64
29	A	830	CLA	C1-C2-C3	-2.05	122.84	126.20
31	O	206	II0	C32-C30-C26	-2.05	120.88	126.61
38	B	849	DGD	CBB-CAB-C9B	-2.05	104.00	114.37
37	B	847	8CT	C30-C29-C28	-2.05	121.39	124.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	2	613	II0	C19-C13-C11	2.05	118.19	114.42
31	5	620	II0	C20-C14-C12	2.05	118.19	114.42
29	2	612	CLA	O2D-CGD-CBD	2.05	114.81	111.23
29	B	804	CLA	O2D-CGD-CBD	2.05	114.81	111.23
30	b	609	KC2	O2D-CGD-O1D	-2.05	119.86	123.85
34	L	208	LHG	O8-C23-O10	-2.05	118.51	123.63
31	7	301	II0	C27-C25-C29	-2.05	120.21	124.18
29	4	601	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
29	1	608	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
29	A	815	CLA	O1D-CGD-CBD	2.05	128.55	124.52
29	4	602	CLA	CMB-C2B-C1B	-2.05	122.31	125.42
31	a	615	II0	C20-C14-C10	-2.05	120.34	124.16
29	2	602	CLA	O2D-CGD-CBD	2.04	114.81	111.23
29	A	829	CLA	O2A-CGA-O1A	-2.04	118.51	123.63
37	b	615	8CT	C27-C26-C28	2.04	121.21	118.09
29	A	854	CLA	CHC-C1C-NC	2.04	127.39	124.31
29	L	203	CLA	CMB-C2B-C1B	-2.04	122.31	125.42
31	2	614	II0	C20-C14-C10	-2.04	120.34	124.16
29	B	836	CLA	CMB-C2B-C1B	-2.04	122.31	125.42
29	K	101	CLA	CMB-C2B-C1B	-2.04	122.31	125.42
29	A	836	CLA	O2D-CGD-CBD	2.04	114.80	111.23
31	7	316	II0	C30-C32-C34	-2.04	117.29	123.20
31	4	614	II0	C27-C25-C29	-2.04	120.22	124.18
38	9	322	DGD	O2D-C2D-C1D	-2.04	105.21	110.08
29	2	611	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
30	Z	306	KC2	C1A-C2A-C3A	-2.04	105.41	107.28
29	B	804	CLA	CMB-C2B-C3B	2.04	131.34	126.55
31	4	613	II0	C19-C13-C09	-2.04	120.35	124.16
29	A	838	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
33	1	618	IHT	C20-C15-C11	-2.04	120.35	124.16
30	e	609	KC2	O2D-CGD-O1D	-2.04	119.88	123.85
33	8	309	IHT	C28-C26-C29	-2.04	120.23	124.18
29	1	602	CLA	CMB-C2B-C3B	2.04	131.34	126.55
34	4	619	LHG	C27-C26-C25	-2.04	104.08	114.37
31	4	615	II0	C08-C12-C14	-2.03	107.11	112.18
31	1	617	II0	C38-C36-C34	2.03	121.20	118.09
31	9	323	II0	C31-C29-C25	-2.03	120.92	126.61
31	3	317	II0	C28-C26-C30	-2.03	120.23	124.18
31	O	205	II0	C03-C05-C07	-2.03	109.13	113.59
29	O	204	CLA	CMB-C2B-C3B	2.03	131.33	126.55
29	3	311	CLA	CMB-C2B-C1B	-2.03	122.32	125.42
29	L	202	CLA	CMB-C2B-C1B	-2.03	122.32	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	7	317	II0	C38-C36-C34	2.03	121.19	118.09
33	c	620	IHT	C36-C33-C32	2.03	121.19	118.09
29	A	820	CLA	C3A-C2A-C1A	2.03	104.38	101.34
36	3	322	SQD	O8-S-C6	2.03	109.89	105.97
35	6	617	LMG	O1-C1-C2	-2.03	105.19	108.27
31	b	614	II0	C41-C42-C40	-2.03	119.36	123.52
29	a	606	CLA	CHB-C4A-NA	2.03	127.33	124.40
33	8	309	IHT	C02-C07-C10	-2.03	119.86	122.64
31	3	318	II0	C03-C05-C07	-2.03	109.14	113.59
31	d	616	II0	C37-C35-C39	-2.03	119.53	122.82
35	2	618	LMG	O8-C28-O10	-2.03	118.55	123.63
29	8	304	CLA	CMB-C2B-C3B	2.03	131.32	126.55
31	6	615	II0	C27-C25-C29	-2.03	120.24	124.18
29	A	835	CLA	CBA-CAA-C2A	-2.03	107.76	113.79
29	A	817	CLA	CHB-C1B-NB	2.03	127.09	124.05
29	A	807	CLA	CMB-C2B-C1B	-2.03	122.33	125.42
29	B	817	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
38	B	849	DGD	CAB-C9B-C8B	-2.03	104.13	114.37
31	1	617	II0	C32-C30-C26	-2.03	120.95	126.61
29	d	607	CLA	CAA-CBA-CGA	-2.03	107.46	113.21
29	X	301	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
29	4	606	CLA	O2A-CGA-O1A	-2.02	118.56	123.63
29	A	854	CLA	O2A-CGA-O1A	-2.02	118.56	123.63
29	e	602	CLA	O2A-CGA-O1A	-2.02	118.56	123.63
29	4	603	CLA	O2A-CGA-O1A	-2.02	118.56	123.63
34	4	618	LHG	C27-C26-C25	-2.02	104.14	114.37
29	A	806	CLA	O2D-CGD-CBD	2.02	114.77	111.23
29	A	838	CLA	CMB-C2B-C1B	-2.02	122.34	125.42
31	5	615	II0	C37-C35-C33	2.02	121.18	118.09
29	A	819	CLA	CAA-C2A-C3A	-2.02	107.53	113.00
31	3	315	II0	C32-C30-C26	-2.02	120.95	126.61
31	9	316	II0	C27-C25-C29	-2.02	120.25	124.18
29	a	607	CLA	CMB-C2B-C1B	-2.02	122.34	125.42
29	K	101	CLA	CAA-CBA-CGA	-2.02	107.47	113.21
35	X	302	LMG	O3-C3-C2	-2.02	105.61	110.38
29	Z	305	CLA	O2A-CGA-O1A	-2.02	118.57	123.63
29	9	308	CLA	O2D-CGD-CBD	2.02	114.76	111.23
37	7	318	8CT	C04-C03-C10	2.02	121.13	115.65
29	6	601	CLA	O2A-CGA-O1A	-2.02	118.14	123.33
31	b	614	II0	C20-C14-C10	-2.02	120.38	124.16
29	A	802	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
31	7	316	II0	C41-C42-C40	-2.02	119.39	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
31	5	616	II0	C20-C14-C10	-2.02	120.38	124.16
29	B	823	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
29	1	613	CLA	O2D-CGD-CBD	2.02	114.76	111.23
29	c	615	CLA	O2D-CGD-CBD	2.02	114.76	111.23
29	A	835	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
31	c	618	II0	C04-C06-C08	-2.02	109.17	113.59
33	d	617	IHT	C02-C07-C18	2.02	121.12	115.65
29	A	842	CLA	C2A-C1A-CHA	2.02	127.37	123.87
29	4	608	CLA	CAA-CBA-CGA	-2.02	107.48	113.21
36	O	207	SQD	C45-O47-C7	-2.02	112.97	117.80
29	2	608	CLA	C1-C2-C3	-2.02	122.89	126.20
29	B	826	CLA	C1-C2-C3	-2.02	122.89	126.20
31	a	619	II0	C03-C05-C07	-2.02	109.17	113.59
29	B	813	CLA	C1-C2-C3	-2.02	122.89	126.20
29	B	826	CLA	CMB-C2B-C3B	2.02	131.29	126.55
29	b	602	CLA	CMB-C2B-C3B	2.02	131.29	126.55
33	c	620	IHT	C31-C34-C35	-2.02	120.83	126.36
31	1	617	II0	C42-C41-C39	-2.02	119.39	123.52
29	A	835	CLA	O2D-CGD-CBD	2.02	114.75	111.23
29	7	311	CLA	O2A-CGA-O1A	-2.02	118.59	123.63
30	7	310	KC2	O2D-CGD-O1D	-2.01	119.93	123.85
29	3	311	CLA	C1-C2-C3	-2.01	122.90	126.20
29	A	826	CLA	CHB-C4A-NA	2.01	127.31	124.40
29	B	821	CLA	CMB-C2B-C3B	2.01	131.29	126.55
29	c	609	CLA	CMA-C3A-C2A	-2.01	111.61	116.23
29	B	830	CLA	O1D-CGD-CBD	2.01	128.49	124.52
31	d	616	II0	C34-C36-C40	2.01	122.17	119.01
29	K	101	CLA	C2A-C1A-CHA	2.01	127.36	123.87
29	3	302	CLA	O2D-CGD-CBD	2.01	114.75	111.23
29	e	608	CLA	CMA-C3A-C2A	-2.01	111.62	116.23
29	a	605	CLA	O2D-CGD-CBD	2.01	114.75	111.23
35	X	302	LMG	O2-C2-C1	-2.01	105.28	110.08
29	7	308	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
29	2	604	CLA	C1-C2-C3	-2.01	122.90	126.20
31	J	102	II0	C03-C05-C07	-2.01	109.19	113.59
31	9	317	II0	C41-C42-C40	-2.01	119.41	123.52
31	c	621	II0	C19-C13-C09	-2.01	120.40	124.16
29	9	303	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
29	B	837	CLA	CMB-C2B-C1B	-2.01	122.36	125.42
29	7	304	CLA	C1-C2-C3	-2.01	122.91	126.20
31	1	614	II0	C20-C14-C10	-2.01	120.40	124.16
31	d	616	II0	C28-C26-C30	-2.01	120.28	124.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
30	6	613	KC2	CHB-C4A-C3A	-2.01	121.86	125.03
37	B	848	8CT	C10-C03-C02	-2.01	116.93	121.56
29	1	603	CLA	CMB-C2B-C3B	2.01	131.27	126.55
31	9	319	II0	C38-C36-C34	2.01	121.16	118.09
31	5	616	II0	C29-C31-C33	-2.01	117.38	123.20
29	B	841	CLA	CMB-C2B-C3B	2.01	131.27	126.55
31	5	617	II0	C31-C33-C35	-2.01	120.86	126.36
31	a	613	II0	C37-C35-C33	2.01	121.15	118.09
29	e	610	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
37	A	845	8CT	C05-C04-C03	2.01	113.35	110.44
31	O	205	II0	C20-C14-C12	2.01	118.11	114.42
35	Z	310	LMG	O6-C1-C2	2.01	114.49	110.37
29	1	602	CLA	O2D-CGD-CBD	2.01	114.74	111.23
29	d	606	CLA	CHB-C4A-NA	2.01	127.30	124.40
33	1	618	IHT	C20-C15-C12	2.01	118.11	114.42
31	5	614	II0	C37-C35-C33	2.01	121.15	118.09
29	6	611	CLA	CAC-C3C-C4C	2.00	127.40	124.79
29	8	308	CLA	O2D-CGD-CBD	2.00	114.73	111.23
31	a	614	II0	C03-C05-C07	-2.00	109.20	113.59
37	B	845	8CT	C30-C31-C32	-2.00	119.00	121.47
33	9	320	IHT	C36-C33-C37	-2.00	119.57	122.82
29	a	602	CLA	O2A-CGA-O1A	-2.00	118.62	123.63
30	c	614	KC2	CAA-CBA-CGA	-2.00	116.88	127.05

All (254) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
29	1	601	CLA	ND
29	1	602	CLA	ND
29	1	603	CLA	ND
29	1	604	CLA	ND
29	1	605	CLA	ND
29	1	606	CLA	ND
29	1	607	CLA	ND
29	1	608	CLA	ND
29	1	609	CLA	ND
29	1	611	CLA	ND
29	1	612	CLA	ND
29	1	613	CLA	ND
29	2	601	CLA	ND
29	2	602	CLA	ND
29	2	603	CLA	ND

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Mol	Chain	Res	Type	Atom
29	2	604	CLA	ND
29	2	605	CLA	ND
29	2	606	CLA	ND
29	2	607	CLA	ND
29	2	608	CLA	ND
29	2	609	CLA	ND
29	2	611	CLA	ND
29	2	612	CLA	ND
29	3	302	CLA	ND
29	3	303	CLA	ND
29	3	304	CLA	ND
29	3	305	CLA	ND
29	3	306	CLA	ND
29	3	308	CLA	ND
29	3	309	CLA	ND
29	3	310	CLA	ND
29	3	311	CLA	ND
29	3	312	CLA	ND
29	3	313	CLA	ND
29	4	601	CLA	ND
29	4	602	CLA	ND
29	4	603	CLA	ND
29	4	604	CLA	ND
29	4	606	CLA	ND
29	4	607	CLA	ND
29	4	608	CLA	ND
29	4	609	CLA	ND
29	4	610	CLA	ND
29	4	611	CLA	ND
29	5	601	CLA	ND
29	5	602	CLA	ND
29	5	603	CLA	ND
29	5	604	CLA	ND
29	5	605	CLA	ND
29	5	606	CLA	ND
29	5	607	CLA	ND
29	5	608	CLA	ND
29	5	609	CLA	ND
29	5	611	CLA	ND
29	5	612	CLA	ND
29	5	613	CLA	ND
29	6	601	CLA	ND

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Mol	Chain	Res	Type	Atom
29	6	602	CLA	ND
29	6	603	CLA	ND
29	6	604	CLA	ND
29	6	605	CLA	ND
29	6	606	CLA	ND
29	6	607	CLA	ND
29	6	608	CLA	ND
29	6	609	CLA	ND
29	6	611	CLA	ND
29	6	612	CLA	ND
29	7	302	CLA	ND
29	7	303	CLA	ND
29	7	304	CLA	ND
29	7	305	CLA	ND
29	7	306	CLA	ND
29	7	307	CLA	ND
29	7	308	CLA	ND
29	7	309	CLA	ND
29	7	311	CLA	ND
29	7	312	CLA	ND
29	8	301	CLA	ND
29	8	302	CLA	ND
29	8	303	CLA	ND
29	8	304	CLA	ND
29	8	305	CLA	ND
29	8	306	CLA	ND
29	8	307	CLA	ND
29	8	308	CLA	ND
29	8	317	CLA	ND
29	9	302	CLA	ND
29	9	303	CLA	ND
29	9	304	CLA	ND
29	9	305	CLA	ND
29	9	306	CLA	ND
29	9	307	CLA	ND
29	9	308	CLA	ND
29	9	309	CLA	ND
29	9	310	CLA	ND
29	9	312	CLA	ND
29	9	313	CLA	ND
29	9	314	CLA	ND
29	9	315	CLA	ND

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Mol	Chain	Res	Type	Atom
29	A	801	CLA	ND
29	A	802	CLA	ND
29	A	803	CLA	ND
29	A	804	CLA	ND
29	A	805	CLA	ND
29	A	806	CLA	ND
29	A	807	CLA	ND
29	A	808	CLA	ND
29	A	809	CLA	ND
29	A	810	CLA	ND
29	A	811	CLA	ND
29	A	812	CLA	ND
29	A	813	CLA	ND
29	A	814	CLA	ND
29	A	815	CLA	ND
29	A	816	CLA	ND
29	A	817	CLA	ND
29	A	818	CLA	ND
29	A	819	CLA	ND
29	A	820	CLA	ND
29	A	821	CLA	ND
29	A	822	CLA	ND
29	A	823	CLA	ND
29	A	824	CLA	ND
29	A	826	CLA	ND
29	A	827	CLA	ND
29	A	828	CLA	ND
29	A	829	CLA	ND
29	A	830	CLA	ND
29	A	831	CLA	ND
29	A	832	CLA	ND
29	A	833	CLA	ND
29	A	834	CLA	ND
29	A	835	CLA	ND
29	A	836	CLA	ND
29	A	837	CLA	ND
29	A	838	CLA	ND
29	A	839	CLA	ND
29	A	840	CLA	ND
29	A	841	CLA	ND
29	A	842	CLA	ND
29	A	843	CLA	ND

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Mol	Chain	Res	Type	Atom
29	A	853	CLA	ND
29	A	854	CLA	ND
29	A	855	CLA	ND
29	B	802	CLA	ND
29	B	803	CLA	ND
29	B	804	CLA	ND
29	B	805	CLA	ND
29	B	806	CLA	ND
29	B	807	CLA	ND
29	B	808	CLA	ND
29	B	809	CLA	ND
29	B	810	CLA	ND
29	B	811	CLA	ND
29	B	812	CLA	ND
29	B	813	CLA	ND
29	B	814	CLA	ND
29	B	815	CLA	ND
29	B	816	CLA	ND
29	B	817	CLA	ND
29	B	818	CLA	ND
29	B	819	CLA	ND
29	B	820	CLA	ND
29	B	821	CLA	ND
29	B	822	CLA	ND
29	B	823	CLA	ND
29	B	824	CLA	ND
29	B	825	CLA	ND
29	B	826	CLA	ND
29	B	827	CLA	ND
29	B	828	CLA	ND
29	B	829	CLA	ND
29	B	830	CLA	ND
29	B	831	CLA	ND
29	B	832	CLA	ND
29	B	833	CLA	ND
29	B	834	CLA	ND
29	B	835	CLA	ND
29	B	836	CLA	ND
29	B	837	CLA	ND
29	B	838	CLA	ND
29	B	839	CLA	ND
29	B	840	CLA	ND

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Mol	Chain	Res	Type	Atom
29	B	841	CLA	ND
29	F	201	CLA	ND
29	F	202	CLA	ND
29	J	103	CLA	ND
29	K	101	CLA	ND
29	K	102	CLA	ND
29	L	201	CLA	ND
29	L	202	CLA	ND
29	L	203	CLA	ND
29	O	201	CLA	ND
29	O	202	CLA	ND
29	O	203	CLA	ND
29	O	204	CLA	ND
29	R	202	CLA	ND
29	Z	302	CLA	ND
29	Z	303	CLA	ND
29	Z	304	CLA	ND
29	Z	305	CLA	ND
29	a	601	CLA	ND
29	a	602	CLA	ND
29	a	603	CLA	ND
29	a	604	CLA	ND
29	a	605	CLA	ND
29	a	606	CLA	ND
29	a	607	CLA	ND
29	a	608	CLA	ND
29	a	609	CLA	ND
29	a	611	CLA	ND
29	a	612	CLA	ND
29	b	601	CLA	ND
29	b	602	CLA	ND
29	b	603	CLA	ND
29	b	604	CLA	ND
29	b	606	CLA	ND
29	b	607	CLA	ND
29	b	608	CLA	ND
29	b	610	CLA	ND
29	b	611	CLA	ND
29	c	601	CLA	ND
29	c	602	CLA	ND
29	c	603	CLA	ND
29	c	604	CLA	ND

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Mol	Chain	Res	Type	Atom
29	c	605	CLA	ND
29	c	606	CLA	ND
29	c	607	CLA	ND
29	c	608	CLA	ND
29	c	609	CLA	ND
29	c	612	CLA	ND
29	c	613	CLA	ND
29	c	615	CLA	ND
29	d	601	CLA	ND
29	d	602	CLA	ND
29	d	603	CLA	ND
29	d	604	CLA	ND
29	d	605	CLA	ND
29	d	606	CLA	ND
29	d	607	CLA	ND
29	d	608	CLA	ND
29	d	609	CLA	ND
29	d	611	CLA	ND
29	d	612	CLA	ND
29	e	601	CLA	ND
29	e	602	CLA	ND
29	e	603	CLA	ND
29	e	604	CLA	ND
29	e	606	CLA	ND
29	e	607	CLA	ND
29	e	608	CLA	ND
29	e	610	CLA	ND
29	e	611	CLA	ND
29	X	301	CLA	ND

All (3412) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
29	1	607	CLA	C1A-C2A-CAA-CBA
29	1	608	CLA	C4-C3-C5-C6
29	1	611	CLA	CHA-CBD-CGD-O1D
29	1	611	CLA	CHA-CBD-CGD-O2D
29	1	612	CLA	C4B-C3B-CAB-CBB
29	2	602	CLA	C1A-C2A-CAA-CBA
29	2	602	CLA	C3A-C2A-CAA-CBA
29	2	605	CLA	C4B-C3B-CAB-CBB
29	2	606	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
29	2	609	CLA	C2B-C3B-CAB-CBB
29	2	609	CLA	C4B-C3B-CAB-CBB
29	2	611	CLA	C2B-C3B-CAB-CBB
29	2	611	CLA	C4B-C3B-CAB-CBB
29	2	612	CLA	CHA-CBD-CGD-O1D
29	2	612	CLA	CHA-CBD-CGD-O2D
29	2	612	CLA	CBD-CGD-O2D-CED
29	3	302	CLA	CHA-CBD-CGD-O1D
29	3	302	CLA	CHA-CBD-CGD-O2D
29	3	304	CLA	CBD-CGD-O2D-CED
29	3	305	CLA	CAD-CBD-CGD-O1D
29	3	305	CLA	CAD-CBD-CGD-O2D
29	3	308	CLA	C3A-C2A-CAA-CBA
29	3	308	CLA	C2B-C3B-CAB-CBB
29	3	308	CLA	C4B-C3B-CAB-CBB
29	4	604	CLA	CAD-CBD-CGD-O2D
29	4	608	CLA	C2B-C3B-CAB-CBB
29	4	608	CLA	C4B-C3B-CAB-CBB
29	4	609	CLA	CBD-CGD-O2D-CED
29	4	611	CLA	CBD-CGD-O2D-CED
29	5	607	CLA	C3A-C2A-CAA-CBA
29	5	607	CLA	C2B-C3B-CAB-CBB
29	5	607	CLA	C4B-C3B-CAB-CBB
29	5	608	CLA	C1A-C2A-CAA-CBA
29	5	608	CLA	C3A-C2A-CAA-CBA
29	5	608	CLA	CBD-CGD-O2D-CED
29	5	611	CLA	CAD-CBD-CGD-O1D
29	5	611	CLA	CAD-CBD-CGD-O2D
29	5	612	CLA	C2B-C3B-CAB-CBB
29	5	612	CLA	C4B-C3B-CAB-CBB
29	5	612	CLA	CHA-CBD-CGD-O1D
29	5	612	CLA	CHA-CBD-CGD-O2D
29	5	612	CLA	CBD-CGD-O2D-CED
29	5	613	CLA	CAD-CBD-CGD-O1D
29	5	613	CLA	CAD-CBD-CGD-O2D
29	6	603	CLA	C1A-C2A-CAA-CBA
29	6	606	CLA	CHA-CBD-CGD-O1D
29	6	606	CLA	CHA-CBD-CGD-O2D
29	6	612	CLA	C3A-C2A-CAA-CBA
29	6	612	CLA	C4B-C3B-CAB-CBB
29	7	302	CLA	CBD-CGD-O2D-CED
29	7	306	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
29	7	307	CLA	C1A-C2A-CAA-CBA
29	7	307	CLA	C3A-C2A-CAA-CBA
29	7	308	CLA	C3A-C2A-CAA-CBA
29	7	309	CLA	C4B-C3B-CAB-CBB
29	7	312	CLA	C1A-C2A-CAA-CBA
29	8	301	CLA	C1A-C2A-CAA-CBA
29	8	301	CLA	C3A-C2A-CAA-CBA
29	8	301	CLA	CBD-CGD-O2D-CED
29	8	303	CLA	CAD-CBD-CGD-O1D
29	8	303	CLA	CAD-CBD-CGD-O2D
29	8	305	CLA	CBA-CGA-O2A-C1
29	8	305	CLA	O1A-CGA-O2A-C1
29	8	306	CLA	C1A-C2A-CAA-CBA
29	8	317	CLA	C1A-C2A-CAA-CBA
29	8	317	CLA	C3A-C2A-CAA-CBA
29	9	303	CLA	C3A-C2A-CAA-CBA
29	9	307	CLA	CHA-CBD-CGD-O2D
29	9	308	CLA	C2B-C3B-CAB-CBB
29	9	308	CLA	C4B-C3B-CAB-CBB
29	9	309	CLA	C1A-C2A-CAA-CBA
29	9	309	CLA	C3A-C2A-CAA-CBA
29	9	309	CLA	C2-C3-C5-C6
29	9	309	CLA	C4-C3-C5-C6
29	9	312	CLA	CAD-CBD-CGD-O1D
29	9	312	CLA	CAD-CBD-CGD-O2D
29	9	312	CLA	CBD-CGD-O2D-CED
29	9	313	CLA	CBD-CGD-O2D-CED
29	9	314	CLA	C1A-C2A-CAA-CBA
29	9	314	CLA	C3A-C2A-CAA-CBA
29	9	314	CLA	CBD-CGD-O2D-CED
29	9	315	CLA	C2B-C3B-CAB-CBB
29	9	315	CLA	C4B-C3B-CAB-CBB
29	9	315	CLA	CHA-CBD-CGD-O1D
29	9	315	CLA	CHA-CBD-CGD-O2D
29	A	801	CLA	C4B-C3B-CAB-CBB
29	A	801	CLA	CBD-CGD-O2D-CED
29	A	804	CLA	C1A-C2A-CAA-CBA
29	A	808	CLA	C1A-C2A-CAA-CBA
29	A	809	CLA	C1A-C2A-CAA-CBA
29	A	810	CLA	C1A-C2A-CAA-CBA
29	A	816	CLA	C1A-C2A-CAA-CBA
29	A	816	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
29	A	817	CLA	C1A-C2A-CAA-CBA
29	A	817	CLA	C3A-C2A-CAA-CBA
29	A	831	CLA	C4B-C3B-CAB-CBB
29	A	832	CLA	CHA-CBD-CGD-O1D
29	A	832	CLA	CHA-CBD-CGD-O2D
29	A	834	CLA	C1A-C2A-CAA-CBA
29	A	836	CLA	C4B-C3B-CAB-CBB
29	A	837	CLA	C4B-C3B-CAB-CBB
29	A	841	CLA	C1A-C2A-CAA-CBA
29	A	843	CLA	C3A-C2A-CAA-CBA
29	A	853	CLA	C1A-C2A-CAA-CBA
29	A	854	CLA	CBD-CGD-O2D-CED
29	A	855	CLA	C1A-C2A-CAA-CBA
29	B	803	CLA	CBD-CGD-O2D-CED
29	B	805	CLA	C3A-C2A-CAA-CBA
29	B	808	CLA	C2B-C3B-CAB-CBB
29	B	808	CLA	C4B-C3B-CAB-CBB
29	B	808	CLA	CHA-CBD-CGD-O1D
29	B	808	CLA	CHA-CBD-CGD-O2D
29	B	809	CLA	C1A-C2A-CAA-CBA
29	B	809	CLA	C3A-C2A-CAA-CBA
29	B	810	CLA	C1A-C2A-CAA-CBA
29	B	810	CLA	C4B-C3B-CAB-CBB
29	B	814	CLA	C1A-C2A-CAA-CBA
29	B	814	CLA	C3A-C2A-CAA-CBA
29	B	815	CLA	C1A-C2A-CAA-CBA
29	B	816	CLA	C1A-C2A-CAA-CBA
29	B	817	CLA	C2B-C3B-CAB-CBB
29	B	817	CLA	C4B-C3B-CAB-CBB
29	B	819	CLA	C4B-C3B-CAB-CBB
29	B	820	CLA	C6-C7-C8-C9
29	B	823	CLA	C2B-C3B-CAB-CBB
29	B	823	CLA	C4B-C3B-CAB-CBB
29	B	824	CLA	CHA-CBD-CGD-O1D
29	B	824	CLA	CHA-CBD-CGD-O2D
29	B	825	CLA	CHA-CBD-CGD-O1D
29	B	825	CLA	CHA-CBD-CGD-O2D
29	B	829	CLA	C11-C10-C8-C9
29	B	836	CLA	C1A-C2A-CAA-CBA
29	B	836	CLA	C3A-C2A-CAA-CBA
29	F	202	CLA	CHA-CBD-CGD-O1D
29	F	202	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
29	O	202	CLA	C2B-C3B-CAB-CBB
29	O	202	CLA	C4B-C3B-CAB-CBB
29	O	202	CLA	CHA-CBD-CGD-O1D
29	O	202	CLA	CHA-CBD-CGD-O2D
29	Z	302	CLA	C2B-C3B-CAB-CBB
29	Z	302	CLA	C4B-C3B-CAB-CBB
29	Z	305	CLA	C1A-C2A-CAA-CBA
29	a	601	CLA	C1A-C2A-CAA-CBA
29	a	602	CLA	C1A-C2A-CAA-CBA
29	a	602	CLA	C3A-C2A-CAA-CBA
29	a	602	CLA	C2B-C3B-CAB-CBB
29	a	602	CLA	C4B-C3B-CAB-CBB
29	a	603	CLA	C1A-C2A-CAA-CBA
29	a	603	CLA	C3A-C2A-CAA-CBA
29	a	604	CLA	C2B-C3B-CAB-CBB
29	a	604	CLA	C4B-C3B-CAB-CBB
29	a	605	CLA	C3A-C2A-CAA-CBA
29	a	606	CLA	CHA-CBD-CGD-O1D
29	a	606	CLA	CHA-CBD-CGD-O2D
29	a	609	CLA	C4B-C3B-CAB-CBB
29	a	612	CLA	CBD-CGD-O2D-CED
29	b	602	CLA	C1A-C2A-CAA-CBA
29	b	602	CLA	C3A-C2A-CAA-CBA
29	b	606	CLA	C1A-C2A-CAA-CBA
29	b	606	CLA	C3A-C2A-CAA-CBA
29	b	610	CLA	CBD-CGD-O2D-CED
29	b	610	CLA	C2-C3-C5-C6
29	c	601	CLA	C1A-C2A-CAA-CBA
29	c	601	CLA	CHA-CBD-CGD-O1D
29	c	601	CLA	CHA-CBD-CGD-O2D
29	c	602	CLA	C6-C7-C8-C9
29	c	604	CLA	C4B-C3B-CAB-CBB
29	c	605	CLA	C1A-C2A-CAA-CBA
29	c	605	CLA	C3A-C2A-CAA-CBA
29	c	608	CLA	CHA-CBD-CGD-O1D
29	c	608	CLA	CHA-CBD-CGD-O2D
29	c	609	CLA	C2B-C3B-CAB-CBB
29	c	609	CLA	C4B-C3B-CAB-CBB
29	c	612	CLA	C2B-C3B-CAB-CBB
29	c	612	CLA	C4B-C3B-CAB-CBB
29	c	612	CLA	CBD-CGD-O2D-CED
29	d	601	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
29	d	601	CLA	C3A-C2A-CAA-CBA
29	d	604	CLA	C2B-C3B-CAB-CBB
29	d	604	CLA	C4B-C3B-CAB-CBB
29	d	607	CLA	C2B-C3B-CAB-CBB
29	d	607	CLA	C4B-C3B-CAB-CBB
29	d	612	CLA	CBD-CGD-O2D-CED
29	e	602	CLA	C1A-C2A-CAA-CBA
29	e	602	CLA	C3A-C2A-CAA-CBA
29	e	606	CLA	CBA-CGA-O2A-C1
29	e	606	CLA	O1A-CGA-O2A-C1
29	e	610	CLA	CBD-CGD-O2D-CED
29	e	611	CLA	CBD-CGD-O2D-CED
29	e	611	CLA	O1D-CGD-O2D-CED
29	X	301	CLA	C2B-C3B-CAB-CBB
29	X	301	CLA	C4B-C3B-CAB-CBB
30	1	610	KC2	C2B-C3B-CAB-CBB
30	2	610	KC2	C2B-C3B-CAB-CBB
30	2	610	KC2	C4B-C3B-CAB-CBB
30	2	610	KC2	C2C-C3C-CAC-CBC
30	2	610	KC2	C4C-C3C-CAC-CBC
30	2	610	KC2	C2A-CAA-CBA-CGA
30	2	610	KC2	CHA-CBD-CGD-O1D
30	2	610	KC2	CHA-CBD-CGD-O2D
30	2	610	KC2	CBD-CGD-O2D-CED
30	3	307	KC2	C3A-C2A-CAA-CBA
30	3	307	KC2	C2B-C3B-CAB-CBB
30	3	307	KC2	C2C-C3C-CAC-CBC
30	3	307	KC2	CHA-CBD-CGD-O1D
30	3	307	KC2	CBD-CGD-O2D-CED
30	4	605	KC2	C1A-C2A-CAA-CBA
30	4	605	KC2	C2B-C3B-CAB-CBB
30	4	605	KC2	C4B-C3B-CAB-CBB
30	5	610	KC2	C2B-C3B-CAB-CBB
30	5	610	KC2	C4B-C3B-CAB-CBB
30	6	610	KC2	C1A-C2A-CAA-CBA
30	6	610	KC2	C3A-C2A-CAA-CBA
30	6	610	KC2	C2B-C3B-CAB-CBB
30	6	610	KC2	C4B-C3B-CAB-CBB
30	6	613	KC2	C1A-C2A-CAA-CBA
30	6	613	KC2	C2B-C3B-CAB-CBB
30	7	310	KC2	C1A-C2A-CAA-CBA
30	7	313	KC2	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
30	7	313	KC2	C2B-C3B-CAB-CBB
30	7	313	KC2	C2C-C3C-CAC-CBC
30	7	313	KC2	C4C-C3C-CAC-CBC
30	7	313	KC2	CBD-CGD-O2D-CED
30	9	311	KC2	CHA-CBD-CGD-O2D
30	Z	306	KC2	C2B-C3B-CAB-CBB
30	Z	306	KC2	C4B-C3B-CAB-CBB
30	a	610	KC2	C2B-C3B-CAB-CBB
30	a	610	KC2	C2C-C3C-CAC-CBC
30	a	610	KC2	C2A-CAA-CBA-CGA
30	a	610	KC2	CHA-CBD-CGD-O1D
30	a	610	KC2	CHA-CBD-CGD-O2D
30	b	605	KC2	C3A-C2A-CAA-CBA
30	b	605	KC2	C2B-C3B-CAB-CBB
30	b	605	KC2	C4B-C3B-CAB-CBB
30	b	605	KC2	C2C-C3C-CAC-CBC
30	b	609	KC2	C2B-C3B-CAB-CBB
30	c	610	KC2	C2A-CAA-CBA-CGA
30	c	610	KC2	CHA-CBD-CGD-O2D
30	c	611	KC2	C1A-C2A-CAA-CBA
30	c	611	KC2	C2B-C3B-CAB-CBB
30	c	614	KC2	C1A-C2A-CAA-CBA
30	c	614	KC2	C2B-C3B-CAB-CBB
30	d	610	KC2	C2C-C3C-CAC-CBC
30	d	610	KC2	C2A-CAA-CBA-CGA
30	d	610	KC2	CHA-CBD-CGD-O2D
30	e	605	KC2	C2B-C3B-CAB-CBB
30	e	605	KC2	C4B-C3B-CAB-CBB
30	e	605	KC2	C2C-C3C-CAC-CBC
30	e	605	KC2	C4C-C3C-CAC-CBC
30	e	609	KC2	C2B-C3B-CAB-CBB
30	e	609	KC2	C4B-C3B-CAB-CBB
30	e	609	KC2	C2C-C3C-CAC-CBC
31	1	614	II0	C32-C34-C36-C38
31	1	614	II0	C32-C34-C36-C40
31	1	616	II0	C25-C29-C31-C33
31	1	616	II0	C32-C34-C36-C40
31	1	617	II0	C31-C33-C35-C37
31	1	620	II0	C25-C29-C31-C33
31	1	620	II0	C31-C33-C35-C37
31	1	620	II0	C31-C33-C35-C39
31	2	613	II0	C32-C34-C36-C38

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Mol	Chain	Res	Type	Atoms
31	2	613	II0	C32-C34-C36-C40
31	2	615	II0	C32-C34-C36-C38
31	3	318	II0	C32-C34-C36-C38
31	3	318	II0	C32-C34-C36-C40
31	7	316	II0	C26-C30-C32-C34
31	7	317	II0	C31-C33-C35-C37
31	7	317	II0	C31-C33-C35-C39
31	8	310	II0	C32-C34-C36-C38
31	8	310	II0	C32-C34-C36-C40
31	8	313	II0	C31-C33-C35-C39
31	9	318	II0	C31-C33-C35-C37
31	9	318	II0	C31-C33-C35-C39
31	9	319	II0	C31-C33-C35-C39
31	J	102	II0	C32-C34-C36-C38
31	J	102	II0	C32-C34-C36-C40
31	a	615	II0	C31-C33-C35-C37
31	a	615	II0	C31-C33-C35-C39
31	a	615	II0	C32-C34-C36-C40
31	b	612	II0	C31-C33-C35-C37
31	b	612	II0	C31-C33-C35-C39
31	c	619	II0	C32-C34-C36-C40
31	e	612	II0	C32-C34-C36-C38
31	e	612	II0	C32-C34-C36-C40
31	e	615	II0	C31-C33-C35-C37
31	e	615	II0	C31-C33-C35-C39
32	8	312	II3	C03-C04-C12-C21
33	1	618	IHT	C23-C27-C30-C32
33	1	618	IHT	C30-C32-C33-C36
33	2	616	IHT	C30-C32-C33-C37
33	6	616	IHT	C10-C07-C18-C22
33	8	309	IHT	C18-C22-C23-C27
33	8	309	IHT	C30-C32-C33-C36
33	8	309	IHT	C30-C32-C33-C37
33	9	320	IHT	C30-C32-C33-C36
33	9	320	IHT	C30-C32-C33-C37
33	Z	301	IHT	C02-C07-C18-C22
33	Z	301	IHT	C10-C07-C18-C22
33	Z	301	IHT	C18-C22-C23-C27
33	a	616	IHT	C10-C07-C18-C22
33	a	616	IHT	C31-C34-C35-C38
33	c	620	IHT	C18-C22-C23-C27
34	1	619	LHG	O1-C1-C2-C3

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Mol	Chain	Res	Type	Atoms
34	1	619	LHG	C1-C2-C3-O3
34	1	619	LHG	C6-C5-O7-C7
34	2	617	LHG	O2-C2-C3-O3
34	2	617	LHG	C4-O6-P-O4
34	2	619	LHG	C3-O3-P-O4
34	2	619	LHG	C4-O6-P-O3
34	3	301	LHG	C3-O3-P-O6
34	3	321	LHG	O1-C1-C2-C3
34	3	321	LHG	C8-C7-O7-C5
34	4	617	LHG	C3-O3-P-O6
34	4	617	LHG	C4-O6-P-O3
34	4	618	LHG	C1-C2-C3-O3
34	4	618	LHG	C2-C3-O3-P
34	4	618	LHG	C3-O3-P-O4
34	4	618	LHG	C3-O3-P-O6
34	4	618	LHG	C4-O6-P-O3
34	4	618	LHG	C4-O6-P-O5
34	4	618	LHG	C6-C5-O7-C7
34	4	618	LHG	C8-C7-O7-C5
34	4	619	LHG	O1-C1-C2-C3
34	4	619	LHG	C4-O6-P-O5
34	4	619	LHG	O9-C7-O7-C5
34	4	619	LHG	C8-C7-O7-C5
34	4	620	LHG	C3-O3-P-O4
34	4	620	LHG	C3-O3-P-O6
34	4	620	LHG	C4-O6-P-O5
34	5	619	LHG	C1-C2-C3-O3
34	5	619	LHG	C4-O6-P-O3
34	5	619	LHG	C4-O6-P-O4
34	5	619	LHG	O9-C7-O7-C5
34	5	619	LHG	C8-C7-O7-C5
34	5	621	LHG	O6-C4-C5-O7
34	7	319	LHG	O1-C1-C2-C3
34	7	319	LHG	O2-C2-C3-O3
34	7	319	LHG	C4-O6-P-O3
34	7	319	LHG	C4-O6-P-O4
34	7	319	LHG	C6-C5-O7-C7
34	7	320	LHG	O1-C1-C2-O2
34	7	320	LHG	O1-C1-C2-C3
34	7	320	LHG	O2-C2-C3-O3
34	7	320	LHG	C3-O3-P-O5
34	7	320	LHG	C3-O3-P-O6

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Mol	Chain	Res	Type	Atoms
34	7	320	LHG	C4-O6-P-O3
34	7	320	LHG	C4-O6-P-O4
34	8	315	LHG	O1-C1-C2-C3
34	8	315	LHG	C3-O3-P-O4
34	8	315	LHG	C3-O3-P-O6
34	8	315	LHG	C4-O6-P-O3
34	8	315	LHG	C4-O6-P-O5
34	8	315	LHG	C8-C7-O7-C5
34	8	316	LHG	O1-C1-C2-C3
34	8	316	LHG	C4-O6-P-O3
34	8	316	LHG	C4-O6-P-O4
34	8	316	LHG	C4-O6-P-O5
34	8	316	LHG	O6-C4-C5-O7
34	8	316	LHG	O9-C7-O7-C5
34	A	850	LHG	C3-O3-P-O4
34	A	851	LHG	O1-C1-C2-C3
34	A	851	LHG	C3-O3-P-O5
34	A	852	LHG	C4-O6-P-O4
34	B	801	LHG	C4-O6-P-O3
34	B	801	LHG	C4-O6-P-O4
34	B	801	LHG	O9-C7-O7-C5
34	B	801	LHG	C8-C7-O7-C5
34	L	207	LHG	O2-C2-C3-O3
34	L	207	LHG	C3-O3-P-O4
34	L	207	LHG	C3-O3-P-O6
34	L	207	LHG	C4-O6-P-O4
34	L	207	LHG	C8-C7-O7-C5
34	L	208	LHG	C1-C2-C3-O3
34	L	208	LHG	C4-O6-P-O3
34	L	208	LHG	C4-O6-P-O5
34	M	102	LHG	C4-O6-P-O3
34	M	102	LHG	C4-O6-P-O4
34	M	102	LHG	C4-O6-P-O5
34	M	102	LHG	O9-C7-O7-C5
34	M	102	LHG	C8-C7-O7-C5
34	Z	309	LHG	C4-O6-P-O3
34	Z	309	LHG	C4-O6-P-O4
34	Z	311	LHG	O1-C1-C2-O2
34	Z	311	LHG	C3-O3-P-O5
34	Z	311	LHG	O9-C7-O7-C5
34	Z	311	LHG	C8-C7-O7-C5
34	a	617	LHG	C3-O3-P-O5

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Mol	Chain	Res	Type	Atoms
34	a	617	LHG	O9-C7-O7-C5
34	b	616	LHG	O1-C1-C2-C3
34	b	616	LHG	C3-O3-P-O5
34	b	616	LHG	C3-O3-P-O6
34	b	616	LHG	C4-O6-P-O4
34	b	616	LHG	C4-O6-P-O5
34	c	622	LHG	O1-C1-C2-C3
34	c	622	LHG	C3-O3-P-O4
34	c	622	LHG	C3-O3-P-O6
34	c	622	LHG	C4-O6-P-O3
34	c	622	LHG	C4-O6-P-O4
34	c	623	LHG	C1-C2-C3-O3
34	c	623	LHG	C2-C3-O3-P
34	c	623	LHG	C3-O3-P-O5
34	c	623	LHG	C3-O3-P-O6
34	c	623	LHG	C4-O6-P-O3
34	c	623	LHG	C4-O6-P-O5
34	e	617	LHG	O1-C1-C2-C3
34	e	617	LHG	C3-O3-P-O5
34	e	617	LHG	C4-O6-P-O3
34	e	617	LHG	C4-O6-P-O5
34	e	617	LHG	O9-C7-O7-C5
35	3	319	LMG	O7-C8-C9-O8
35	8	314	LMG	O6-C1-O1-C7
35	Z	310	LMG	C11-C10-O7-C8
35	Z	310	LMG	O10-C28-O8-C9
35	Z	310	LMG	C29-C28-O8-C9
35	X	302	LMG	O6-C1-O1-C7
36	3	320	SQD	C8-C7-O47-C45
36	3	320	SQD	O5-C5-C6-S
36	3	320	SQD	C5-C6-S-O7
36	3	320	SQD	C5-C6-S-O8
36	3	320	SQD	C5-C6-S-O9
36	7	321	SQD	O6-C44-C45-O47
36	7	321	SQD	O49-C7-O47-C45
36	7	321	SQD	C8-C7-O47-C45
36	7	321	SQD	C4-C5-C6-S
36	7	321	SQD	C5-C6-S-O7
36	7	321	SQD	C5-C6-S-O8
36	B	850	SQD	C5-C6-S-O7
36	B	850	SQD	C5-C6-S-O8
36	B	850	SQD	C5-C6-S-O9

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Mol	Chain	Res	Type	Atoms
36	O	207	SQD	O5-C5-C6-S
36	O	207	SQD	C5-C6-S-O7
36	O	207	SQD	C5-C6-S-O8
36	O	207	SQD	C5-C6-S-O9
36	a	618	SQD	O5-C1-O6-C44
36	a	618	SQD	O5-C5-C6-S
37	4	616	8CT	C26-C28-C29-C30
37	4	616	8CT	C28-C29-C30-C31
37	7	318	8CT	C20-C21-C23-C24
37	7	318	8CT	C22-C21-C23-C24
37	7	318	8CT	C24-C25-C26-C27
37	7	318	8CT	C24-C25-C26-C28
37	7	318	8CT	C25-C26-C28-C29
37	7	318	8CT	C27-C26-C28-C29
37	7	318	8CT	C26-C28-C29-C30
37	A	844	8CT	C18-C19-C20-C21
37	A	844	8CT	C28-C29-C30-C31
37	A	844	8CT	C28-C29-C30-C35
37	A	845	8CT	C25-C26-C28-C29
37	A	845	8CT	C27-C26-C28-C29
37	A	846	8CT	C23-C24-C25-C26
37	A	847	8CT	C14-C15-C16-C17
37	B	843	8CT	C28-C29-C30-C31
37	B	844	8CT	C20-C21-C23-C24
37	B	845	8CT	C25-C26-C28-C29
37	B	845	8CT	C28-C29-C30-C31
37	B	845	8CT	C28-C29-C30-C35
37	B	846	8CT	C16-C17-C18-C19
37	B	846	8CT	C25-C26-C28-C29
37	B	846	8CT	C27-C26-C28-C29
37	B	846	8CT	C28-C29-C30-C31
37	B	847	8CT	C28-C29-C30-C31
37	B	848	8CT	C10-C11-C12-C13
37	B	848	8CT	C10-C11-C12-C40
37	B	848	8CT	C28-C29-C30-C31
37	B	848	8CT	C28-C29-C30-C35
37	B	851	8CT	C10-C11-C12-C13
37	B	851	8CT	C10-C11-C12-C40
37	B	851	8CT	C14-C15-C16-C17
37	B	851	8CT	C23-C24-C25-C26
37	F	203	8CT	C14-C15-C16-C17
37	F	203	8CT	C14-C15-C16-C39

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Mol	Chain	Res	Type	Atoms
37	I	101	8CT	C28-C29-C30-C31
37	I	101	8CT	C28-C29-C30-C35
37	J	104	8CT	C02-C03-C10-C11
37	J	104	8CT	C20-C21-C23-C24
37	J	104	8CT	C22-C21-C23-C24
37	J	104	8CT	C25-C26-C28-C29
37	J	104	8CT	C27-C26-C28-C29
37	K	103	8CT	C10-C11-C12-C13
37	K	103	8CT	C14-C15-C16-C17
37	K	103	8CT	C14-C15-C16-C39
37	K	103	8CT	C25-C26-C28-C29
37	K	103	8CT	C27-C26-C28-C29
37	L	205	8CT	C20-C21-C23-C24
37	L	205	8CT	C22-C21-C23-C24
37	L	205	8CT	C27-C26-C28-C29
37	M	101	8CT	C10-C11-C12-C13
37	M	101	8CT	C10-C11-C12-C40
37	M	101	8CT	C20-C21-C23-C24
37	M	101	8CT	C28-C29-C30-C31
37	R	203	8CT	C18-C19-C20-C21
37	Z	307	8CT	C28-C29-C30-C31
37	Z	308	8CT	C14-C15-C16-C17
37	Z	308	8CT	C14-C15-C16-C39
37	Z	308	8CT	C16-C17-C18-C19
37	Z	308	8CT	C20-C21-C23-C24
37	Z	308	8CT	C22-C21-C23-C24
37	Z	308	8CT	C25-C26-C28-C29
37	b	615	8CT	C11-C12-C13-C14
37	b	615	8CT	C40-C12-C13-C14
37	b	615	8CT	C13-C14-C15-C16
37	b	615	8CT	C17-C18-C19-C20
37	e	616	8CT	C11-C12-C13-C14
37	e	616	8CT	C40-C12-C13-C14
37	e	616	8CT	C13-C14-C15-C16
37	e	616	8CT	C15-C16-C17-C18
37	e	616	8CT	C39-C16-C17-C18
37	e	616	8CT	C17-C18-C19-C20
37	e	616	8CT	C25-C26-C28-C29
37	e	616	8CT	C27-C26-C28-C29
38	B	849	DGD	O1B-C1B-O2G-C2G
29	5	613	CLA	O1D-CGD-O2D-CED
29	7	302	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
29	7	312	CLA	O1D-CGD-O2D-CED
29	8	305	CLA	O1D-CGD-O2D-CED
29	8	307	CLA	O1D-CGD-O2D-CED
29	9	314	CLA	O1D-CGD-O2D-CED
30	5	610	KC2	O1D-CGD-O2D-CED
29	5	611	CLA	O1D-CGD-O2D-CED
29	8	301	CLA	O1D-CGD-O2D-CED
29	9	312	CLA	O1D-CGD-O2D-CED
29	A	801	CLA	O1D-CGD-O2D-CED
29	A	826	CLA	O1D-CGD-O2D-CED
29	A	854	CLA	O1D-CGD-O2D-CED
29	B	803	CLA	O1D-CGD-O2D-CED
29	d	612	CLA	O1D-CGD-O2D-CED
30	2	610	KC2	O1D-CGD-O2D-CED
30	3	307	KC2	O1D-CGD-O2D-CED
30	6	613	KC2	O1D-CGD-O2D-CED
30	7	313	KC2	O1D-CGD-O2D-CED
29	1	601	CLA	CBD-CGD-O2D-CED
29	1	611	CLA	CBD-CGD-O2D-CED
29	3	305	CLA	CBD-CGD-O2D-CED
29	5	601	CLA	CBD-CGD-O2D-CED
29	5	605	CLA	CBD-CGD-O2D-CED
29	5	611	CLA	CBD-CGD-O2D-CED
29	5	613	CLA	CBD-CGD-O2D-CED
29	6	608	CLA	CBD-CGD-O2D-CED
29	7	308	CLA	CBD-CGD-O2D-CED
29	7	312	CLA	CBD-CGD-O2D-CED
29	8	303	CLA	CBD-CGD-O2D-CED
29	8	305	CLA	CBD-CGD-O2D-CED
29	8	307	CLA	CBD-CGD-O2D-CED
29	9	302	CLA	CBD-CGD-O2D-CED
29	9	304	CLA	CBD-CGD-O2D-CED
29	A	826	CLA	CBD-CGD-O2D-CED
29	J	103	CLA	CBD-CGD-O2D-CED
29	O	203	CLA	CBD-CGD-O2D-CED
29	Z	303	CLA	CBD-CGD-O2D-CED
29	Z	304	CLA	CBD-CGD-O2D-CED
29	a	602	CLA	CBD-CGD-O2D-CED
29	c	613	CLA	CBD-CGD-O2D-CED
29	e	607	CLA	CBD-CGD-O2D-CED
30	5	610	KC2	CBD-CGD-O2D-CED
30	6	613	KC2	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
30	7	310	KC2	CBD-CGD-O2D-CED
29	A	810	CLA	O1A-CGA-O2A-C1
34	M	102	LHG	O10-C23-O8-C6
36	a	618	SQD	O10-C23-O48-C46
36	3	322	SQD	C45-C46-O48-C23
29	5	601	CLA	O1D-CGD-O2D-CED
29	8	303	CLA	O1D-CGD-O2D-CED
29	A	810	CLA	CBA-CGA-O2A-C1
29	a	609	CLA	CBA-CGA-O2A-C1
34	4	618	LHG	C24-C23-O8-C6
34	M	102	LHG	C24-C23-O8-C6
36	a	618	SQD	C24-C23-O48-C46
29	2	608	CLA	CBD-CGD-O2D-CED
29	3	311	CLA	CBD-CGD-O2D-CED
29	9	303	CLA	O1A-CGA-O2A-C1
29	B	810	CLA	O1A-CGA-O2A-C1
29	a	609	CLA	O1A-CGA-O2A-C1
29	c	615	CLA	O1A-CGA-O2A-C1
29	d	602	CLA	O1A-CGA-O2A-C1
34	2	619	LHG	O10-C23-O8-C6
34	4	618	LHG	O10-C23-O8-C6
34	4	620	LHG	O10-C23-O8-C6
34	5	619	LHG	O10-C23-O8-C6
34	A	852	LHG	O10-C23-O8-C6
34	L	206	LHG	O10-C23-O8-C6
34	O	208	LHG	O10-C23-O8-C6
34	Z	309	LHG	O10-C23-O8-C6
29	2	606	CLA	O1D-CGD-O2D-CED
29	4	609	CLA	O1D-CGD-O2D-CED
29	a	612	CLA	O1D-CGD-O2D-CED
29	2	612	CLA	O1D-CGD-O2D-CED
29	3	304	CLA	O1D-CGD-O2D-CED
29	5	612	CLA	O1D-CGD-O2D-CED
29	9	313	CLA	O1D-CGD-O2D-CED
29	2	603	CLA	CBD-CGD-O2D-CED
29	A	825	CLA	CBD-CGD-O2D-CED
36	3	320	SQD	O10-C23-O48-C46
34	1	619	LHG	O9-C7-O7-C5
34	4	618	LHG	O9-C7-O7-C5
34	4	620	LHG	O9-C7-O7-C5
34	7	319	LHG	O9-C7-O7-C5
34	8	315	LHG	O9-C7-O7-C5

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Mol	Chain	Res	Type	Atoms
34	L	207	LHG	O9-C7-O7-C5
34	L	208	LHG	O9-C7-O7-C5
34	b	616	LHG	O9-C7-O7-C5
35	Z	310	LMG	O9-C10-O7-C8
29	4	603	CLA	C3-C5-C6-C7
29	4	604	CLA	C3-C5-C6-C7
29	6	611	CLA	C3-C5-C6-C7
29	9	307	CLA	C3-C5-C6-C7
29	9	309	CLA	C3-C5-C6-C7
29	A	804	CLA	C3-C5-C6-C7
29	A	831	CLA	C3-C5-C6-C7
29	B	808	CLA	C3-C5-C6-C7
29	B	812	CLA	C3-C5-C6-C7
29	B	832	CLA	C3-C5-C6-C7
29	B	833	CLA	C3-C5-C6-C7
29	K	102	CLA	C3-C5-C6-C7
29	O	201	CLA	C3-C5-C6-C7
29	Z	305	CLA	C3-C5-C6-C7
29	a	602	CLA	C3-C5-C6-C7
29	b	606	CLA	C3-C5-C6-C7
29	d	612	CLA	C3-C5-C6-C7
29	5	608	CLA	O1D-CGD-O2D-CED
29	9	307	CLA	CBA-CGA-O2A-C1
29	B	810	CLA	CBA-CGA-O2A-C1
29	c	615	CLA	CBA-CGA-O2A-C1
34	2	619	LHG	C24-C23-O8-C6
34	4	620	LHG	C24-C23-O8-C6
34	5	619	LHG	C24-C23-O8-C6
34	O	208	LHG	C24-C23-O8-C6
34	Z	309	LHG	C24-C23-O8-C6
29	2	602	CLA	CBD-CGD-O2D-CED
29	3	308	CLA	CBD-CGD-O2D-CED
29	7	309	CLA	CBD-CGD-O2D-CED
29	9	303	CLA	CBD-CGD-O2D-CED
29	9	308	CLA	CBD-CGD-O2D-CED
29	9	310	CLA	CBD-CGD-O2D-CED
29	A	808	CLA	CBD-CGD-O2D-CED
29	A	810	CLA	CBD-CGD-O2D-CED
29	A	828	CLA	CBD-CGD-O2D-CED
29	A	831	CLA	CBD-CGD-O2D-CED
29	B	804	CLA	CBD-CGD-O2D-CED
29	B	815	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
29	B	821	CLA	CBD-CGD-O2D-CED
29	B	827	CLA	CBD-CGD-O2D-CED
29	B	829	CLA	CBD-CGD-O2D-CED
29	a	603	CLA	CBD-CGD-O2D-CED
29	d	603	CLA	CBD-CGD-O2D-CED
34	4	620	LHG	C8-C7-O7-C5
34	8	316	LHG	C8-C7-O7-C5
34	a	617	LHG	C8-C7-O7-C5
34	e	617	LHG	C8-C7-O7-C5
35	F	204	LMG	C11-C10-O7-C8
38	B	849	DGD	C2B-C1B-O2G-C2G
29	3	305	CLA	O1D-CGD-O2D-CED
29	4	611	CLA	O1D-CGD-O2D-CED
29	b	610	CLA	O1D-CGD-O2D-CED
29	c	612	CLA	O1D-CGD-O2D-CED
29	e	610	CLA	O1D-CGD-O2D-CED
30	9	311	KC2	CAA-CBA-CGA-O2A
29	4	610	CLA	C4-C3-C5-C6
29	7	304	CLA	C4-C3-C5-C6
29	7	308	CLA	C4-C3-C5-C6
29	A	834	CLA	C4-C3-C5-C6
29	B	814	CLA	C4-C3-C5-C6
29	B	832	CLA	C4-C3-C5-C6
29	O	201	CLA	C4-C3-C5-C6
29	b	608	CLA	C4-C3-C5-C6
29	d	608	CLA	C4-C3-C5-C6
29	1	608	CLA	C2-C3-C5-C6
29	4	610	CLA	C2-C3-C5-C6
29	7	304	CLA	C2-C3-C5-C6
29	B	814	CLA	C2-C3-C5-C6
29	B	832	CLA	C2-C3-C5-C6
29	O	201	CLA	C2-C3-C5-C6
29	b	608	CLA	C2-C3-C5-C6
29	d	608	CLA	C2-C3-C5-C6
29	Z	303	CLA	O1D-CGD-O2D-CED
29	1	603	CLA	O1A-CGA-O2A-C1
29	4	611	CLA	C3-C5-C6-C7
29	7	311	CLA	C3-C5-C6-C7
29	A	816	CLA	C3-C5-C6-C7
29	A	818	CLA	C3-C5-C6-C7
29	A	819	CLA	C3-C5-C6-C7
29	A	823	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
29	A	840	CLA	C3-C5-C6-C7
29	B	803	CLA	C3-C5-C6-C7
29	Z	302	CLA	C3-C5-C6-C7
29	1	603	CLA	CBA-CGA-O2A-C1
29	9	303	CLA	CBA-CGA-O2A-C1
29	L	203	CLA	CBA-CGA-O2A-C1
29	b	610	CLA	CBA-CGA-O2A-C1
29	d	602	CLA	CBA-CGA-O2A-C1
34	7	319	LHG	C24-C23-O8-C6
34	A	852	LHG	C24-C23-O8-C6
34	L	206	LHG	C24-C23-O8-C6
36	3	320	SQD	C24-C23-O48-C46
31	8	311	II0	C25-C29-C31-C33
31	9	323	II0	C26-C30-C32-C34
31	e	612	II0	C25-C29-C31-C33
32	e	613	II3	C28-C31-C34-C37
33	9	320	IHT	C23-C27-C30-C32
37	7	318	8CT	C23-C24-C25-C26
37	A	844	8CT	C16-C17-C18-C19
37	A	846	8CT	C12-C13-C14-C15
37	A	847	8CT	C16-C17-C18-C19
37	A	847	8CT	C18-C19-C20-C21
37	B	843	8CT	C23-C24-C25-C26
37	B	848	8CT	C12-C13-C14-C15
37	K	103	8CT	C12-C13-C14-C15
37	L	205	8CT	C23-C24-C25-C26
37	M	101	8CT	C18-C19-C20-C21
37	Z	308	8CT	C18-C19-C20-C21
37	e	616	8CT	C23-C24-C25-C26
29	L	203	CLA	O1A-CGA-O2A-C1
29	d	611	CLA	O1A-CGA-O2A-C1
34	3	321	LHG	O9-C7-O7-C5
34	Z	309	LHG	O9-C7-O7-C5
36	3	320	SQD	O49-C7-O47-C45
29	e	607	CLA	O1D-CGD-O2D-CED
34	c	623	LHG	C24-C23-O8-C6
34	O	208	LHG	C27-C28-C29-C30
29	4	607	CLA	C3-C5-C6-C7
29	4	610	CLA	C3-C5-C6-C7
29	5	608	CLA	C3-C5-C6-C7
29	A	808	CLA	C3-C5-C6-C7
29	A	811	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
29	A	855	CLA	C3-C5-C6-C7
29	B	806	CLA	C3-C5-C6-C7
29	B	834	CLA	CBD-CGD-O2D-CED
34	3	301	LHG	O2-C2-C3-O3
34	4	618	LHG	O2-C2-C3-O3
34	8	315	LHG	O2-C2-C3-O3
34	b	616	LHG	O2-C2-C3-O3
29	5	605	CLA	O1D-CGD-O2D-CED
29	2	603	CLA	CBA-CGA-O2A-C1
29	A	839	CLA	CBA-CGA-O2A-C1
29	b	608	CLA	CBA-CGA-O2A-C1
29	e	602	CLA	CBA-CGA-O2A-C1
29	X	301	CLA	CBA-CGA-O2A-C1
34	L	208	LHG	C24-C23-O8-C6
34	a	617	LHG	C24-C23-O8-C6
36	B	850	SQD	C24-C23-O48-C46
29	9	307	CLA	O1A-CGA-O2A-C1
34	B	801	LHG	O10-C23-O8-C6
34	2	617	LHG	O7-C5-C6-O8
29	c	613	CLA	O1D-CGD-O2D-CED
30	7	310	KC2	O1D-CGD-O2D-CED
35	6	617	LMG	O6-C5-C6-O5
29	2	601	CLA	CBD-CGD-O2D-CED
29	A	832	CLA	CBD-CGD-O2D-CED
29	Z	302	CLA	CBD-CGD-O2D-CED
29	b	602	CLA	CBD-CGD-O2D-CED
29	b	608	CLA	CBD-CGD-O2D-CED
34	1	619	LHG	C8-C7-O7-C5
34	4	617	LHG	C8-C7-O7-C5
34	5	621	LHG	C8-C7-O7-C5
34	J	101	LHG	C8-C7-O7-C5
34	Z	309	LHG	C8-C7-O7-C5
29	b	608	CLA	O1A-CGA-O2A-C1
29	e	602	CLA	O1A-CGA-O2A-C1
36	B	850	SQD	O10-C23-O48-C46
29	1	601	CLA	O1D-CGD-O2D-CED
29	9	302	CLA	O1D-CGD-O2D-CED
29	9	304	CLA	O1D-CGD-O2D-CED
29	Z	304	CLA	O1D-CGD-O2D-CED
29	a	602	CLA	O1D-CGD-O2D-CED
29	5	602	CLA	C3-C5-C6-C7
29	5	604	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
29	A	806	CLA	C3-C5-C6-C7
29	A	835	CLA	C3-C5-C6-C7
29	c	601	CLA	CBD-CGD-O2D-CED
29	d	602	CLA	CBD-CGD-O2D-CED
30	9	311	KC2	CBD-CGD-O2D-CED
29	1	611	CLA	O1D-CGD-O2D-CED
29	6	608	CLA	O1D-CGD-O2D-CED
29	7	308	CLA	O1D-CGD-O2D-CED
29	J	103	CLA	O1D-CGD-O2D-CED
29	d	611	CLA	CBA-CGA-O2A-C1
30	6	613	KC2	CAA-CBA-CGA-O1A
29	4	603	CLA	C4-C3-C5-C6
29	7	311	CLA	C4-C3-C5-C6
29	9	307	CLA	C4-C3-C5-C6
29	A	801	CLA	C4-C3-C5-C6
29	a	608	CLA	C4-C3-C5-C6
29	a	611	CLA	C4-C3-C5-C6
29	c	603	CLA	C4-C3-C5-C6
29	c	612	CLA	C4-C3-C5-C6
29	e	602	CLA	C4-C3-C5-C6
29	e	606	CLA	C4-C3-C5-C6
29	4	603	CLA	C2-C3-C5-C6
29	7	311	CLA	C2-C3-C5-C6
29	9	307	CLA	C2-C3-C5-C6
29	e	602	CLA	C2-C3-C5-C6
29	e	606	CLA	C2-C3-C5-C6
29	e	611	CLA	C2-C3-C5-C6
29	X	301	CLA	O1A-CGA-O2A-C1
29	6	601	CLA	CBD-CGD-O2D-CED
29	B	808	CLA	CBD-CGD-O2D-CED
29	O	204	CLA	CBD-CGD-O2D-CED
29	b	607	CLA	CBD-CGD-O2D-CED
29	O	203	CLA	O1D-CGD-O2D-CED
29	B	829	CLA	C2A-CAA-CBA-CGA
29	3	311	CLA	O1D-CGD-O2D-CED
29	b	610	CLA	O1A-CGA-O2A-C1
36	7	321	SQD	O5-C1-O6-C44
36	9	301	SQD	O5-C1-O6-C44
35	3	319	LMG	O6-C5-C6-O5
29	2	608	CLA	O1D-CGD-O2D-CED
29	4	609	CLA	CBA-CGA-O2A-C1
29	8	304	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
29	1	609	CLA	CBD-CGD-O2D-CED
29	6	603	CLA	CBD-CGD-O2D-CED
29	A	819	CLA	CBD-CGD-O2D-CED
29	A	837	CLA	CBD-CGD-O2D-CED
29	B	802	CLA	CBD-CGD-O2D-CED
29	K	102	CLA	CBD-CGD-O2D-CED
29	L	201	CLA	CBD-CGD-O2D-CED
29	a	611	CLA	CBD-CGD-O2D-CED
29	e	608	CLA	CBD-CGD-O2D-CED
30	6	610	KC2	CBD-CGD-O2D-CED
30	c	614	KC2	CAA-CBA-CGA-O2A
29	2	603	CLA	O1A-CGA-O2A-C1
29	A	839	CLA	O1A-CGA-O2A-C1
29	4	610	CLA	CBD-CGD-O2D-CED
29	6	604	CLA	CBD-CGD-O2D-CED
29	A	814	CLA	CBD-CGD-O2D-CED
34	9	321	LHG	C29-C30-C31-C32
31	1	620	II0	C35-C39-C41-C42
31	1	620	II0	C36-C40-C42-C41
31	5	620	II0	C26-C30-C32-C34
37	A	845	8CT	C18-C19-C20-C21
37	B	846	8CT	C18-C19-C20-C21
29	A	817	CLA	O1A-CGA-O2A-C1
34	J	101	LHG	O9-C7-O7-C5
34	3	301	LHG	C1-C2-C3-O3
34	Z	311	LHG	C1-C2-C3-O3
29	4	611	CLA	CBA-CGA-O2A-C1
29	5	608	CLA	CBA-CGA-O2A-C1
29	6	606	CLA	CBA-CGA-O2A-C1
29	6	607	CLA	CBA-CGA-O2A-C1
29	A	801	CLA	CBA-CGA-O2A-C1
29	A	808	CLA	CBA-CGA-O2A-C1
29	A	817	CLA	CBA-CGA-O2A-C1
29	A	823	CLA	CBA-CGA-O2A-C1
29	A	830	CLA	CBA-CGA-O2A-C1
29	B	805	CLA	CBA-CGA-O2A-C1
29	B	814	CLA	CBA-CGA-O2A-C1
29	B	817	CLA	CBA-CGA-O2A-C1
29	B	823	CLA	CBA-CGA-O2A-C1
29	B	833	CLA	CBA-CGA-O2A-C1
29	Z	302	CLA	CBA-CGA-O2A-C1
29	d	612	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
29	e	603	CLA	CBA-CGA-O2A-C1
34	B	801	LHG	C24-C23-O8-C6
34	L	207	LHG	C24-C23-O8-C6
36	3	322	SQD	C24-C23-O48-C46
36	7	321	SQD	C24-C23-O48-C46
29	3	312	CLA	CBD-CGD-O2D-CED
29	7	303	CLA	CBD-CGD-O2D-CED
29	7	307	CLA	CBD-CGD-O2D-CED
29	c	605	CLA	CBD-CGD-O2D-CED
29	2	603	CLA	O1D-CGD-O2D-CED
29	A	825	CLA	O1D-CGD-O2D-CED
29	B	829	CLA	O1D-CGD-O2D-CED
29	d	603	CLA	O1D-CGD-O2D-CED
34	8	316	LHG	C29-C30-C31-C32
30	6	610	KC2	CAA-CBA-CGA-O2A
30	c	610	KC2	CAA-CBA-CGA-O1A
30	c	614	KC2	CAA-CBA-CGA-O1A
30	d	610	KC2	CAA-CBA-CGA-O1A
30	d	610	KC2	CAA-CBA-CGA-O2A
30	e	609	KC2	CAA-CBA-CGA-O2A
29	e	611	CLA	C4-C3-C5-C6
29	7	308	CLA	C2-C3-C5-C6
29	A	834	CLA	C2-C3-C5-C6
29	a	608	CLA	C2-C3-C5-C6
29	c	612	CLA	C2-C3-C5-C6
29	4	604	CLA	CBD-CGD-O2D-CED
29	1	608	CLA	C11-C10-C8-C9
29	3	308	CLA	C11-C10-C8-C9
29	3	311	CLA	C6-C7-C8-C9
29	4	607	CLA	C6-C7-C8-C9
29	4	608	CLA	C11-C12-C13-C14
29	6	602	CLA	C14-C13-C15-C16
29	6	604	CLA	C6-C7-C8-C9
29	8	302	CLA	C11-C12-C13-C14
29	8	302	CLA	C14-C13-C15-C16
29	A	806	CLA	C14-C13-C15-C16
29	A	816	CLA	C6-C7-C8-C9
29	A	816	CLA	C11-C10-C8-C9
29	A	820	CLA	C11-C12-C13-C14
29	A	822	CLA	C14-C13-C15-C16
29	A	825	CLA	C11-C10-C8-C9
29	A	825	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
29	A	831	CLA	C11-C12-C13-C14
29	A	839	CLA	C11-C10-C8-C9
29	A	840	CLA	C11-C12-C13-C14
29	A	841	CLA	C11-C10-C8-C9
29	B	803	CLA	C11-C12-C13-C14
29	B	805	CLA	C6-C7-C8-C9
29	B	808	CLA	C11-C10-C8-C9
29	B	808	CLA	C14-C13-C15-C16
29	B	817	CLA	C11-C10-C8-C9
29	B	823	CLA	C14-C13-C15-C16
29	B	824	CLA	C14-C13-C15-C16
29	B	829	CLA	C14-C13-C15-C16
29	L	202	CLA	C11-C10-C8-C9
29	a	606	CLA	C14-C13-C15-C16
29	a	607	CLA	C6-C7-C8-C9
29	a	609	CLA	C11-C10-C8-C9
29	b	603	CLA	C6-C7-C8-C9
29	b	606	CLA	C11-C10-C8-C9
29	c	606	CLA	C14-C13-C15-C16
29	c	607	CLA	C11-C12-C13-C14
29	d	608	CLA	C14-C13-C15-C16
34	4	618	LHG	C32-C33-C34-C35
29	2	602	CLA	O1D-CGD-O2D-CED
29	7	309	CLA	O1D-CGD-O2D-CED
29	9	310	CLA	O1D-CGD-O2D-CED
29	A	808	CLA	O1D-CGD-O2D-CED
29	B	804	CLA	O1D-CGD-O2D-CED
29	a	603	CLA	O1D-CGD-O2D-CED
36	7	321	SQD	C2-C1-O6-C44
36	9	301	SQD	C2-C1-O6-C44
34	1	619	LHG	O2-C2-C3-O3
34	5	619	LHG	O2-C2-C3-O3
34	Z	311	LHG	O2-C2-C3-O3
34	c	623	LHG	O2-C2-C3-O3
34	7	319	LHG	O10-C23-O8-C6
36	3	322	SQD	O10-C23-O48-C46
35	3	319	LMG	C4-C5-C6-O5
29	3	308	CLA	O1D-CGD-O2D-CED
31	1	616	II0	C32-C34-C36-C38
31	4	614	II0	C31-C33-C35-C37
31	5	617	II0	C32-C34-C36-C38
31	5	620	II0	C32-C34-C36-C38

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Mol	Chain	Res	Type	Atoms
31	7	301	II0	C32-C34-C36-C38
31	7	316	II0	C32-C34-C36-C38
31	8	311	II0	C31-C33-C35-C37
31	8	313	II0	C31-C33-C35-C37
31	9	319	II0	C31-C33-C35-C37
31	9	323	II0	C32-C34-C36-C38
31	a	615	II0	C32-C34-C36-C38
31	c	619	II0	C32-C34-C36-C38
31	e	612	II0	C31-C33-C35-C37
33	2	616	IHT	C30-C32-C33-C36
33	8	309	IHT	C18-C22-C23-C25
33	K	104	IHT	C18-C22-C23-C25
33	Z	301	IHT	C18-C22-C23-C25
33	a	616	IHT	C31-C34-C35-C39
33	c	620	IHT	C18-C22-C23-C25
37	A	844	8CT	C27-C26-C28-C29
37	A	846	8CT	C14-C15-C16-C39
37	A	847	8CT	C14-C15-C16-C39
37	B	843	8CT	C10-C11-C12-C40
37	B	843	8CT	C27-C26-C28-C29
37	B	844	8CT	C22-C21-C23-C24
37	B	844	8CT	C27-C26-C28-C29
37	B	845	8CT	C10-C11-C12-C40
37	B	845	8CT	C27-C26-C28-C29
37	B	848	8CT	C14-C15-C16-C39
37	B	851	8CT	C14-C15-C16-C39
37	B	851	8CT	C22-C21-C23-C24
37	B	852	8CT	C27-C26-C28-C29
37	F	203	8CT	C27-C26-C28-C29
37	I	101	8CT	C27-C26-C28-C29
37	J	104	8CT	C14-C15-C16-C39
37	K	103	8CT	C10-C11-C12-C40
37	M	101	8CT	C22-C21-C23-C24
37	Z	307	8CT	C10-C11-C12-C40
37	Z	307	8CT	C27-C26-C28-C29
37	Z	308	8CT	C27-C26-C28-C29
37	b	615	8CT	C27-C26-C28-C29
31	1	617	II0	C31-C33-C35-C39
31	2	615	II0	C32-C34-C36-C40
31	5	617	II0	C32-C34-C36-C40
31	7	301	II0	C32-C34-C36-C40
33	1	618	IHT	C30-C32-C33-C37

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Mol	Chain	Res	Type	Atoms
37	A	844	8CT	C25-C26-C28-C29
37	A	846	8CT	C14-C15-C16-C17
37	A	846	8CT	C25-C26-C28-C29
37	B	843	8CT	C10-C11-C12-C13
37	B	844	8CT	C25-C26-C28-C29
37	B	845	8CT	C10-C11-C12-C13
37	B	848	8CT	C14-C15-C16-C17
37	I	101	8CT	C25-C26-C28-C29
37	J	104	8CT	C14-C15-C16-C17
37	L	205	8CT	C25-C26-C28-C29
37	b	615	8CT	C25-C26-C28-C29
29	2	606	CLA	C2A-CAA-CBA-CGA
29	L	203	CLA	C2A-CAA-CBA-CGA
29	X	301	CLA	C3-C5-C6-C7
29	B	821	CLA	O1D-CGD-O2D-CED
29	4	611	CLA	O1A-CGA-O2A-C1
29	5	608	CLA	O1A-CGA-O2A-C1
29	A	830	CLA	O1A-CGA-O2A-C1
29	B	817	CLA	O1A-CGA-O2A-C1
29	Z	302	CLA	O1A-CGA-O2A-C1
29	d	612	CLA	O1A-CGA-O2A-C1
36	7	321	SQD	O10-C23-O48-C46
29	A	818	CLA	C8-C10-C11-C12
29	4	602	CLA	CBD-CGD-O2D-CED
34	7	319	LHG	C8-C7-O7-C5
34	A	851	LHG	C8-C7-O7-C5
30	e	605	KC2	CAA-CBA-CGA-O2A
34	3	321	LHG	O7-C5-C6-O8
34	A	850	LHG	O7-C5-C6-O8
34	9	321	LHG	C24-C23-O8-C6
34	4	618	LHG	C23-C24-C25-C26
35	3	319	LMG	C28-C29-C30-C31
35	F	204	LMG	C10-C11-C12-C13
36	a	618	SQD	C7-C8-C9-C10
29	6	606	CLA	O1A-CGA-O2A-C1
29	9	308	CLA	O1D-CGD-O2D-CED
34	4	618	LHG	C29-C30-C31-C32
29	1	608	CLA	C10-C11-C12-C13
29	3	308	CLA	C5-C6-C7-C8
29	8	302	CLA	C5-C6-C7-C8
29	B	803	CLA	C13-C15-C16-C17
29	B	810	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
29	c	602	CLA	C15-C16-C17-C18
29	d	608	CLA	C15-C16-C17-C18
34	4	620	LHG	O1-C1-C2-O2
34	8	315	LHG	O1-C1-C2-O2
34	J	101	LHG	O1-C1-C2-O2
34	b	616	LHG	O1-C1-C2-O2
34	e	617	LHG	O1-C1-C2-O2
36	3	322	SQD	C7-C8-C9-C10
29	B	814	CLA	O1A-CGA-O2A-C1
29	d	611	CLA	CBD-CGD-O2D-CED
29	A	801	CLA	C12-C13-C15-C16
29	A	804	CLA	C11-C10-C8-C7
29	A	825	CLA	C12-C13-C15-C16
29	B	803	CLA	C12-C13-C15-C16
29	B	817	CLA	C6-C7-C8-C10
34	Z	311	LHG	C24-C23-O8-C6
35	X	302	LMG	C29-C28-O8-C9
30	6	613	KC2	CAA-CBA-CGA-O2A
30	c	610	KC2	CAA-CBA-CGA-O2A
29	2	608	CLA	C8-C10-C11-C12
29	4	610	CLA	C5-C6-C7-C8
34	5	619	LHG	C23-C24-C25-C26
29	B	815	CLA	O1D-CGD-O2D-CED
29	B	827	CLA	O1D-CGD-O2D-CED
34	4	620	LHG	C23-C24-C25-C26
31	9	318	II0	C25-C29-C31-C33
31	J	102	II0	C25-C29-C31-C33
31	e	612	II0	C26-C30-C32-C34
33	8	309	IHT	C23-C27-C30-C32
37	B	844	8CT	C16-C17-C18-C19
37	B	844	8CT	C18-C19-C20-C21
37	I	101	8CT	C18-C19-C20-C21
37	Z	307	8CT	C18-C19-C20-C21
37	Z	308	8CT	C12-C13-C14-C15
38	B	849	DGD	O6E-C5E-C6E-O5E
35	6	617	LMG	C4-C5-C6-O5
29	A	801	CLA	C3-C5-C6-C7
29	5	608	CLA	C5-C6-C7-C8
29	9	305	CLA	C5-C6-C7-C8
29	A	801	CLA	C8-C10-C11-C12
29	B	811	CLA	C8-C10-C11-C12
29	a	608	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
34	4	618	LHG	C5-C6-O8-C23
34	1	619	LHG	C7-C8-C9-C10
34	3	301	LHG	C23-C24-C25-C26
34	3	321	LHG	C23-C24-C25-C26
34	4	620	LHG	C7-C8-C9-C10
34	5	621	LHG	C23-C24-C25-C26
34	A	850	LHG	C23-C24-C25-C26
34	A	851	LHG	C23-C24-C25-C26
34	L	208	LHG	C23-C24-C25-C26
29	A	823	CLA	O1A-CGA-O2A-C1
29	B	805	CLA	O1A-CGA-O2A-C1
34	L	207	LHG	O10-C23-O8-C6
29	5	604	CLA	CBD-CGD-O2D-CED
29	A	807	CLA	CBD-CGD-O2D-CED
29	A	853	CLA	CBD-CGD-O2D-CED
29	c	603	CLA	CBD-CGD-O2D-CED
34	b	616	LHG	C8-C7-O7-C5
29	4	604	CLA	C5-C6-C7-C8
29	6	604	CLA	C10-C11-C12-C13
29	A	820	CLA	C10-C11-C12-C13
29	A	837	CLA	C10-C11-C12-C13
29	A	840	CLA	C15-C16-C17-C18
29	A	841	CLA	C5-C6-C7-C8
29	B	806	CLA	C5-C6-C7-C8
29	B	820	CLA	C8-C10-C11-C12
29	a	603	CLA	C10-C11-C12-C13
29	c	602	CLA	C5-C6-C7-C8
29	c	608	CLA	C8-C10-C11-C12
29	d	602	CLA	C5-C6-C7-C8
29	9	303	CLA	C2A-CAA-CBA-CGA
29	A	806	CLA	C2A-CAA-CBA-CGA
29	A	834	CLA	C2A-CAA-CBA-CGA
29	A	839	CLA	C2A-CAA-CBA-CGA
29	B	838	CLA	C2A-CAA-CBA-CGA
29	d	612	CLA	C2A-CAA-CBA-CGA
29	e	610	CLA	C2A-CAA-CBA-CGA
29	3	309	CLA	C5-C6-C7-C8
29	A	811	CLA	C10-C11-C12-C13
29	A	828	CLA	C15-C16-C17-C18
29	A	854	CLA	C8-C10-C11-C12
29	B	821	CLA	C8-C10-C11-C12
29	a	608	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
29	b	603	CLA	C5-C6-C7-C8
29	c	607	CLA	C10-C11-C12-C13
34	J	101	LHG	C23-C24-C25-C26
34	b	616	LHG	C23-C24-C25-C26
34	c	622	LHG	C23-C24-C25-C26
35	Z	310	LMG	C10-C11-C12-C13
35	X	302	LMG	C10-C11-C12-C13
36	3	320	SQD	C23-C24-C25-C26
29	6	607	CLA	O1A-CGA-O2A-C1
29	B	823	CLA	O1A-CGA-O2A-C1
29	B	833	CLA	O1A-CGA-O2A-C1
29	e	603	CLA	O1A-CGA-O2A-C1
29	c	602	CLA	CBD-CGD-O2D-CED
29	3	311	CLA	C5-C6-C7-C8
29	5	604	CLA	C5-C6-C7-C8
29	8	305	CLA	C5-C6-C7-C8
29	8	317	CLA	C8-C10-C11-C12
29	A	804	CLA	C5-C6-C7-C8
29	A	806	CLA	C10-C11-C12-C13
29	A	811	CLA	C13-C15-C16-C17
29	A	820	CLA	C15-C16-C17-C18
29	A	825	CLA	C5-C6-C7-C8
29	A	839	CLA	C13-C15-C16-C17
29	B	806	CLA	C15-C16-C17-C18
29	B	807	CLA	C13-C15-C16-C17
29	B	813	CLA	C5-C6-C7-C8
29	B	813	CLA	C8-C10-C11-C12
29	B	813	CLA	C13-C15-C16-C17
29	B	814	CLA	C5-C6-C7-C8
29	B	824	CLA	C13-C15-C16-C17
29	B	827	CLA	C10-C11-C12-C13
29	a	612	CLA	C13-C15-C16-C17
29	c	607	CLA	C5-C6-C7-C8
29	c	607	CLA	C15-C16-C17-C18
29	d	608	CLA	C5-C6-C7-C8
40	B	842	PQN	C25-C26-C27-C28
34	2	619	LHG	O2-C2-C3-O3
34	8	316	LHG	O2-C2-C3-O3
34	A	851	LHG	O2-C2-C3-O3
34	L	208	LHG	O2-C2-C3-O3
34	c	622	LHG	O6-C4-C5-O7
29	3	312	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
29	A	820	CLA	CBA-CGA-O2A-C1
29	4	609	CLA	O1A-CGA-O2A-C1
29	8	304	CLA	O1A-CGA-O2A-C1
29	A	801	CLA	O1A-CGA-O2A-C1
29	A	808	CLA	O1A-CGA-O2A-C1
34	7	319	LHG	C7-C8-C9-C10
34	e	617	LHG	C7-C8-C9-C10
29	A	831	CLA	C13-C15-C16-C17
29	B	808	CLA	C10-C11-C12-C13
38	B	849	DGD	C4E-C5E-C6E-O5E
29	A	833	CLA	C3-C5-C6-C7
29	9	303	CLA	O1D-CGD-O2D-CED
29	A	810	CLA	O1D-CGD-O2D-CED
29	A	828	CLA	O1D-CGD-O2D-CED
29	A	831	CLA	O1D-CGD-O2D-CED
29	4	608	CLA	C5-C6-C7-C8
29	A	830	CLA	C5-C6-C7-C8
29	A	840	CLA	C13-C15-C16-C17
29	B	808	CLA	C5-C6-C7-C8
29	B	818	CLA	C10-C11-C12-C13
29	c	603	CLA	C2-C3-C5-C6
29	A	832	CLA	O1D-CGD-O2D-CED
29	B	834	CLA	O1D-CGD-O2D-CED
29	9	308	CLA	C5-C6-C7-C8
29	A	836	CLA	C5-C6-C7-C8
29	B	840	CLA	C13-C15-C16-C17
29	b	608	CLA	C8-C10-C11-C12
29	A	802	CLA	CBA-CGA-O2A-C1
29	a	605	CLA	CBA-CGA-O2A-C1
29	B	824	CLA	CBD-CGD-O2D-CED
30	6	610	KC2	C2A-CAA-CBA-CGA
30	7	310	KC2	C2A-CAA-CBA-CGA
30	7	313	KC2	C2A-CAA-CBA-CGA
30	e	605	KC2	C2A-CAA-CBA-CGA
30	e	609	KC2	C2A-CAA-CBA-CGA
29	4	607	CLA	CBD-CGD-O2D-CED
31	3	318	II0	C26-C30-C32-C34
33	2	616	IHT	C23-C27-C30-C32
33	Z	301	IHT	C26-C29-C31-C34
37	B	844	8CT	C23-C24-C25-C26
37	J	104	8CT	C12-C13-C14-C15
30	7	310	KC2	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
34	2	617	LHG	C1-C2-C3-O3
34	2	619	LHG	C1-C2-C3-O3
34	7	319	LHG	C1-C2-C3-O3
34	7	320	LHG	C1-C2-C3-O3
34	8	315	LHG	C1-C2-C3-O3
34	8	316	LHG	C1-C2-C3-O3
34	A	851	LHG	C1-C2-C3-O3
34	b	616	LHG	C1-C2-C3-O3
34	c	622	LHG	O6-C4-C5-C6
29	1	611	CLA	C2A-CAA-CBA-CGA
29	5	611	CLA	C2A-CAA-CBA-CGA
29	A	816	CLA	C2A-CAA-CBA-CGA
29	B	809	CLA	C2A-CAA-CBA-CGA
29	B	820	CLA	C2A-CAA-CBA-CGA
29	B	824	CLA	C2A-CAA-CBA-CGA
29	A	816	CLA	CBA-CGA-O2A-C1
29	B	836	CLA	CBA-CGA-O2A-C1
29	L	201	CLA	CBA-CGA-O2A-C1
29	b	602	CLA	CBA-CGA-O2A-C1
36	O	207	SQD	C24-C23-O48-C46
29	9	308	CLA	C15-C16-C17-C18
29	A	804	CLA	C10-C11-C12-C13
29	A	816	CLA	C8-C10-C11-C12
29	A	816	CLA	C10-C11-C12-C13
29	A	817	CLA	C13-C15-C16-C17
29	A	818	CLA	C13-C15-C16-C17
29	A	822	CLA	C5-C6-C7-C8
29	B	816	CLA	C8-C10-C11-C12
29	a	603	CLA	C5-C6-C7-C8
29	a	604	CLA	C8-C10-C11-C12
29	a	606	CLA	C8-C10-C11-C12
29	b	611	CLA	C5-C6-C7-C8
29	A	816	CLA	CBD-CGD-O2D-CED
29	c	604	CLA	CBD-CGD-O2D-CED
34	c	623	LHG	O10-C23-O8-C6
35	F	204	LMG	C28-C29-C30-C31
36	B	850	SQD	C7-C8-C9-C10
29	4	607	CLA	C5-C6-C7-C8
29	A	818	CLA	C10-C11-C12-C13
29	A	833	CLA	C10-C11-C12-C13
29	B	829	CLA	C10-C11-C12-C13
29	Z	305	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
29	3	311	CLA	C15-C16-C17-C18
29	A	811	CLA	C15-C16-C17-C18
29	A	812	CLA	C5-C6-C7-C8
29	A	816	CLA	C5-C6-C7-C8
29	B	810	CLA	C5-C6-C7-C8
29	B	823	CLA	C10-C11-C12-C13
29	B	824	CLA	C15-C16-C17-C18
29	B	833	CLA	C5-C6-C7-C8
34	L	208	LHG	O10-C23-O8-C6
29	b	608	CLA	O1D-CGD-O2D-CED
29	9	308	CLA	CBA-CGA-O2A-C1
34	B	801	LHG	C23-C24-C25-C26
29	A	801	CLA	C2-C3-C5-C6
29	d	602	CLA	C13-C15-C16-C17
34	9	321	LHG	C8-C7-O7-C5
29	Z	302	CLA	O1D-CGD-O2D-CED
35	X	302	LMG	C2-C1-O1-C7
36	a	618	SQD	C2-C1-O6-C44
35	2	618	LMG	C10-C11-C12-C13
29	2	601	CLA	O1D-CGD-O2D-CED
29	B	832	CLA	CBD-CGD-O2D-CED
34	a	617	LHG	O2-C2-C3-O3
29	2	602	CLA	CBA-CGA-O2A-C1
29	B	816	CLA	CBA-CGA-O2A-C1
29	B	827	CLA	CBA-CGA-O2A-C1
29	Z	305	CLA	C5-C6-C7-C8
37	b	615	8CT	C39-C16-C17-C18
37	e	616	8CT	C24-C25-C26-C27
29	e	604	CLA	C3-C5-C6-C7
36	9	301	SQD	C7-C8-C9-C10
30	6	610	KC2	CAA-CBA-CGA-O1A
29	B	823	CLA	CBD-CGD-O2D-CED
29	A	837	CLA	C5-C6-C7-C8
29	B	823	CLA	C8-C10-C11-C12
31	1	617	II0	C32-C34-C36-C38
31	b	614	II0	C31-C33-C35-C37
33	9	320	IHT	C18-C22-C23-C25
37	A	846	8CT	C27-C26-C28-C29
37	A	847	8CT	C10-C11-C12-C40
37	B	843	8CT	C14-C15-C16-C39
37	B	843	8CT	C22-C21-C23-C24
37	B	846	8CT	C10-C11-C12-C40

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Mol	Chain	Res	Type	Atoms
37	B	852	8CT	C22-C21-C23-C24
37	L	205	8CT	C10-C11-C12-C40
31	1	617	II0	C32-C34-C36-C40
31	9	323	II0	C32-C34-C36-C40
31	e	612	II0	C31-C33-C35-C39
33	9	320	IHT	C18-C22-C23-C27
37	A	847	8CT	C10-C11-C12-C13
37	B	843	8CT	C20-C21-C23-C24
37	B	852	8CT	C25-C26-C28-C29
37	F	203	8CT	C25-C26-C28-C29
37	L	205	8CT	C10-C11-C12-C13
37	Z	307	8CT	C10-C11-C12-C13
29	A	802	CLA	O1A-CGA-O2A-C1
29	B	836	CLA	O1A-CGA-O2A-C1
34	a	617	LHG	O10-C23-O8-C6
29	5	604	CLA	C2A-CAA-CBA-CGA
29	9	308	CLA	C2A-CAA-CBA-CGA
29	9	313	CLA	C2A-CAA-CBA-CGA
29	A	827	CLA	C2A-CAA-CBA-CGA
29	A	843	CLA	C2A-CAA-CBA-CGA
29	B	817	CLA	C2A-CAA-CBA-CGA
29	3	304	CLA	C8-C10-C11-C12
29	A	806	CLA	C8-C10-C11-C12
29	A	823	CLA	C5-C6-C7-C8
34	3	301	LHG	O1-C1-C2-C3
34	4	618	LHG	O1-C1-C2-C3
34	4	620	LHG	O1-C1-C2-C3
34	J	101	LHG	O1-C1-C2-C3
34	Z	311	LHG	O1-C1-C2-C3
34	c	623	LHG	O1-C1-C2-C3
29	b	602	CLA	O1D-CGD-O2D-CED
34	L	207	LHG	C4-C5-O7-C7
35	Z	310	LMG	C9-C8-O7-C10
37	Z	307	8CT	C16-C17-C18-C19
29	1	608	CLA	C11-C12-C13-C15
29	5	604	CLA	C6-C7-C8-C9
29	6	605	CLA	C6-C7-C8-C10
29	A	810	CLA	C16-C17-C18-C20
29	B	803	CLA	C16-C17-C18-C19
29	B	811	CLA	C11-C12-C13-C14
29	B	816	CLA	C16-C17-C18-C19
29	R	202	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
29	Z	305	CLA	C11-C12-C13-C14
29	a	602	CLA	C6-C7-C8-C10
29	a	606	CLA	C16-C17-C18-C19
29	a	611	CLA	C6-C7-C8-C9
29	e	604	CLA	C11-C12-C13-C15
29	c	601	CLA	O1D-CGD-O2D-CED
29	3	312	CLA	O1A-CGA-O2A-C1
36	O	207	SQD	O10-C23-O48-C46
29	9	308	CLA	C3-C5-C6-C7
29	4	611	CLA	C15-C16-C17-C18
37	b	615	8CT	C15-C16-C17-C18
37	e	616	8CT	C24-C25-C26-C28
35	3	319	LMG	O6-C1-O1-C7
35	3	319	LMG	C11-C10-O7-C8
30	e	605	KC2	CAA-CBA-CGA-O1A
29	a	611	CLA	C2-C3-C5-C6
29	6	601	CLA	O1D-CGD-O2D-CED
29	B	808	CLA	O1D-CGD-O2D-CED
29	O	204	CLA	O1D-CGD-O2D-CED
29	b	607	CLA	O1D-CGD-O2D-CED
29	d	602	CLA	O1D-CGD-O2D-CED
29	B	821	CLA	CBA-CGA-O2A-C1
29	d	607	CLA	CBA-CGA-O2A-C1
29	A	810	CLA	C5-C6-C7-C8
29	A	835	CLA	C5-C6-C7-C8
29	a	604	CLA	C3-C5-C6-C7
29	4	604	CLA	C6-C7-C8-C10
29	5	604	CLA	C6-C7-C8-C10
29	6	605	CLA	C6-C7-C8-C9
29	7	304	CLA	C6-C7-C8-C9
29	A	810	CLA	C16-C17-C18-C19
29	A	831	CLA	C16-C17-C18-C20
29	a	608	CLA	C11-C12-C13-C14
29	a	605	CLA	O1A-CGA-O2A-C1
35	3	319	LMG	O10-C28-O8-C9
34	4	619	LHG	C14-C15-C16-C17
34	8	316	LHG	C27-C28-C29-C30
34	Z	311	LHG	C30-C31-C32-C33
29	c	608	CLA	CBD-CGD-O2D-CED
37	4	616	8CT	C17-C18-C19-C20
37	7	318	8CT	C17-C18-C19-C20
34	1	619	LHG	C24-C25-C26-C27

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Mol	Chain	Res	Type	Atoms
34	4	617	LHG	C28-C29-C30-C31
34	A	850	LHG	C33-C34-C35-C36
34	O	208	LHG	C26-C27-C28-C29
34	7	319	LHG	C26-C27-C28-C29
34	7	319	LHG	C30-C31-C32-C33
36	7	321	SQD	C26-C27-C28-C29
29	A	820	CLA	O1A-CGA-O2A-C1
29	A	834	CLA	CBA-CGA-O2A-C1
34	2	619	LHG	C24-C25-C26-C27
34	4	620	LHG	C25-C26-C27-C28
34	5	621	LHG	C27-C28-C29-C30
34	L	208	LHG	C28-C29-C30-C31
35	Z	310	LMG	C30-C31-C32-C33
38	B	849	DGD	C5A-C6A-C7A-C8A
38	B	849	DGD	CDB-CEB-CFB-CGB
34	O	208	LHG	O9-C7-O7-C5
34	1	619	LHG	O1-C1-C2-O2
34	3	321	LHG	O1-C1-C2-O2
34	4	619	LHG	O1-C1-C2-O2
34	7	319	LHG	O1-C1-C2-O2
34	A	851	LHG	O1-C1-C2-O2
34	c	622	LHG	O1-C1-C2-O2
34	3	321	LHG	C11-C10-C9-C8
34	A	850	LHG	C13-C14-C15-C16
34	A	850	LHG	C28-C29-C30-C31
35	Z	310	LMG	C31-C32-C33-C34
29	1	604	CLA	C4B-C3B-CAB-CBB
29	2	604	CLA	C4B-C3B-CAB-CBB
29	2	612	CLA	C4B-C3B-CAB-CBB
29	5	608	CLA	C4B-C3B-CAB-CBB
29	7	305	CLA	C4B-C3B-CAB-CBB
29	8	302	CLA	C4B-C3B-CAB-CBB
29	9	310	CLA	C4B-C3B-CAB-CBB
29	A	842	CLA	C4B-C3B-CAB-CBB
29	B	803	CLA	C4B-C3B-CAB-CBB
29	c	613	CLA	C4B-C3B-CAB-CBB
29	d	605	CLA	C4B-C3B-CAB-CBB
29	e	608	CLA	C4B-C3B-CAB-CBB
34	3	321	LHG	C24-C25-C26-C27
34	8	315	LHG	C24-C25-C26-C27
34	L	208	LHG	C24-C25-C26-C27
29	1	608	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
29	2	604	CLA	C6-C7-C8-C9
29	3	308	CLA	C11-C12-C13-C15
29	4	604	CLA	C6-C7-C8-C9
29	4	610	CLA	C16-C17-C18-C20
29	7	304	CLA	C6-C7-C8-C10
29	B	803	CLA	C16-C17-C18-C20
29	B	811	CLA	C11-C12-C13-C15
29	B	816	CLA	C16-C17-C18-C20
29	B	820	CLA	C11-C12-C13-C15
29	B	829	CLA	C16-C17-C18-C19
29	Z	305	CLA	C11-C12-C13-C15
29	a	602	CLA	C6-C7-C8-C9
29	a	611	CLA	C6-C7-C8-C10
29	b	606	CLA	C16-C17-C18-C20
29	e	604	CLA	C11-C12-C13-C14
29	K	102	CLA	O1D-CGD-O2D-CED
29	A	838	CLA	C2A-CAA-CBA-CGA
35	Z	310	LMG	C16-C17-C18-C19
36	a	618	SQD	C24-C25-C26-C27
29	A	825	CLA	C8-C10-C11-C12
34	L	208	LHG	C8-C7-O7-C5
35	6	617	LMG	C11-C10-O7-C8
29	A	839	CLA	C6-C7-C8-C10
29	A	855	CLA	C11-C10-C8-C7
29	B	803	CLA	C11-C12-C13-C15
29	B	822	CLA	C11-C10-C8-C7
29	B	839	CLA	C12-C13-C15-C16
29	b	606	CLA	C12-C13-C15-C16
29	c	602	CLA	C12-C13-C15-C16
34	4	619	LHG	C23-C24-C25-C26
34	A	850	LHG	C7-C8-C9-C10
29	2	608	CLA	C10-C11-C12-C13
29	A	854	CLA	C5-C6-C7-C8
34	4	619	LHG	C31-C32-C33-C34
34	A	850	LHG	C24-C25-C26-C27
29	9	308	CLA	O1A-CGA-O2A-C1
29	L	201	CLA	O1A-CGA-O2A-C1
29	b	602	CLA	O1A-CGA-O2A-C1
34	e	617	LHG	O10-C23-O8-C6
29	B	813	CLA	C3-C5-C6-C7
29	1	603	CLA	C3A-C2A-CAA-CBA
29	5	606	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
29	6	603	CLA	C3A-C2A-CAA-CBA
29	7	312	CLA	C3A-C2A-CAA-CBA
29	8	306	CLA	C3A-C2A-CAA-CBA
29	A	804	CLA	C3A-C2A-CAA-CBA
29	A	809	CLA	C3A-C2A-CAA-CBA
29	A	810	CLA	C3A-C2A-CAA-CBA
29	A	831	CLA	C3A-C2A-CAA-CBA
29	A	841	CLA	C3A-C2A-CAA-CBA
29	A	842	CLA	C3A-C2A-CAA-CBA
29	A	853	CLA	C3A-C2A-CAA-CBA
29	A	854	CLA	C3A-C2A-CAA-CBA
29	A	855	CLA	C3A-C2A-CAA-CBA
29	B	810	CLA	C3A-C2A-CAA-CBA
29	F	201	CLA	C3A-C2A-CAA-CBA
29	a	612	CLA	C3A-C2A-CAA-CBA
29	c	607	CLA	C3A-C2A-CAA-CBA
29	1	609	CLA	O1D-CGD-O2D-CED
29	B	802	CLA	O1D-CGD-O2D-CED
29	a	611	CLA	O1D-CGD-O2D-CED
34	7	319	LHG	C24-C25-C26-C27
34	A	851	LHG	C24-C25-C26-C27
34	B	801	LHG	C10-C11-C12-C13
34	L	207	LHG	C11-C12-C13-C14
29	7	311	CLA	C5-C6-C7-C8
29	A	801	CLA	C5-C6-C7-C8
29	A	806	CLA	C13-C15-C16-C17
29	A	828	CLA	C10-C11-C12-C13
29	B	808	CLA	C15-C16-C17-C18
29	c	608	CLA	C10-C11-C12-C13
34	A	852	LHG	C23-C24-C25-C26
29	6	603	CLA	O1D-CGD-O2D-CED
29	L	201	CLA	O1D-CGD-O2D-CED
34	2	619	LHG	C7-C8-C9-C10
34	8	316	LHG	C23-C24-C25-C26
34	L	208	LHG	C7-C8-C9-C10
34	c	623	LHG	C18-C19-C20-C21
31	1	614	II0	C26-C30-C32-C34
37	Z	308	8CT	C23-C24-C25-C26
29	A	831	CLA	C16-C17-C18-C19
29	B	832	CLA	C6-C7-C8-C9
29	A	816	CLA	O1A-CGA-O2A-C1
34	O	208	LHG	C24-C25-C26-C27

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Mol	Chain	Res	Type	Atoms
29	A	829	CLA	CBD-CGD-O2D-CED
34	9	321	LHG	C11-C12-C13-C14
29	e	608	CLA	O1D-CGD-O2D-CED
29	B	831	CLA	CBA-CGA-O2A-C1
29	a	612	CLA	CBA-CGA-O2A-C1
34	A	852	LHG	C4-C5-C6-O8
34	A	850	LHG	C31-C32-C33-C34
34	O	208	LHG	C9-C10-C11-C12
29	4	601	CLA	C3-C5-C6-C7
29	B	835	CLA	C3-C5-C6-C7
29	4	610	CLA	O1D-CGD-O2D-CED
34	4	617	LHG	C32-C33-C34-C35
34	O	208	LHG	C18-C19-C20-C21
34	O	208	LHG	C25-C26-C27-C28
34	Z	311	LHG	C13-C14-C15-C16
35	2	618	LMG	C31-C32-C33-C34
35	8	314	LMG	C30-C31-C32-C33
29	B	827	CLA	O1A-CGA-O2A-C1
29	d	607	CLA	O1A-CGA-O2A-C1
34	4	618	LHG	C24-C25-C26-C27
34	7	319	LHG	C31-C32-C33-C34
34	9	321	LHG	C25-C26-C27-C28
34	c	623	LHG	C14-C15-C16-C17
29	A	819	CLA	O1D-CGD-O2D-CED
34	9	321	LHG	C27-C28-C29-C30
34	A	850	LHG	C25-C26-C27-C28
34	L	206	LHG	C11-C10-C9-C8
36	3	320	SQD	C11-C10-C9-C8
34	O	208	LHG	C23-C24-C25-C26
29	2	602	CLA	O1A-CGA-O2A-C1
29	1	604	CLA	C2B-C3B-CAB-CBB
29	1	609	CLA	C2B-C3B-CAB-CBB
29	1	612	CLA	C2B-C3B-CAB-CBB
29	2	604	CLA	C2B-C3B-CAB-CBB
29	2	605	CLA	C2B-C3B-CAB-CBB
29	2	607	CLA	C2B-C3B-CAB-CBB
29	2	612	CLA	C2B-C3B-CAB-CBB
29	6	612	CLA	C2B-C3B-CAB-CBB
29	7	305	CLA	C2B-C3B-CAB-CBB
29	7	306	CLA	C2B-C3B-CAB-CBB
29	7	309	CLA	C2B-C3B-CAB-CBB
29	8	302	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
29	9	310	CLA	C2B-C3B-CAB-CBB
29	A	831	CLA	C2B-C3B-CAB-CBB
29	A	836	CLA	C2B-C3B-CAB-CBB
29	A	837	CLA	C2B-C3B-CAB-CBB
29	B	810	CLA	C2B-C3B-CAB-CBB
29	B	819	CLA	C2B-C3B-CAB-CBB
29	a	609	CLA	C2B-C3B-CAB-CBB
29	c	604	CLA	C2B-C3B-CAB-CBB
29	d	605	CLA	C2B-C3B-CAB-CBB
29	e	608	CLA	C2B-C3B-CAB-CBB
33	6	616	IHT	C02-C07-C18-C22
33	9	320	IHT	C02-C07-C18-C22
33	9	320	IHT	C10-C07-C18-C22
33	a	616	IHT	C02-C07-C18-C22
33	c	620	IHT	C02-C07-C18-C22
37	7	318	8CT	C04-C03-C10-C11
37	A	846	8CT	C02-C03-C10-C11
37	A	846	8CT	C04-C03-C10-C11
37	B	848	8CT	C02-C03-C10-C11
37	B	851	8CT	C04-C03-C10-C11
37	F	203	8CT	C02-C03-C10-C11
37	L	205	8CT	C02-C03-C10-C11
34	3	321	LHG	C30-C31-C32-C33
34	4	617	LHG	C17-C18-C19-C20
34	9	321	LHG	C11-C10-C9-C8
34	9	321	LHG	C24-C25-C26-C27
34	A	850	LHG	C8-C7-O7-C5
29	6	607	CLA	C5-C6-C7-C8
29	B	808	CLA	C8-C10-C11-C12
38	9	322	DGD	C5B-C6B-C7B-C8B
29	A	853	CLA	C2C-C3C-CAC-CBC
29	8	301	CLA	C2A-CAA-CBA-CGA
29	8	305	CLA	C2A-CAA-CBA-CGA
29	Z	302	CLA	C2A-CAA-CBA-CGA
34	Z	309	LHG	C23-C24-C25-C26
29	B	822	CLA	C8-C10-C11-C12
34	4	620	LHG	C27-C28-C29-C30
29	B	816	CLA	O1A-CGA-O2A-C1
29	B	821	CLA	O1A-CGA-O2A-C1
29	1	613	CLA	CBD-CGD-O2D-CED
34	3	301	LHG	C32-C33-C34-C35
34	5	621	LHG	C25-C26-C27-C28

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Mol	Chain	Res	Type	Atoms
34	9	321	LHG	O9-C7-O7-C5
34	A	852	LHG	O9-C7-O7-C5
35	6	617	LMG	O9-C10-O7-C8
35	F	204	LMG	O9-C10-O7-C8
34	A	851	LHG	C9-C10-C11-C12
34	c	623	LHG	C15-C16-C17-C18
37	4	616	8CT	C21-C23-C24-C25
29	c	602	CLA	C13-C15-C16-C17
29	a	606	CLA	C16-C17-C18-C20
29	b	606	CLA	C16-C17-C18-C19
34	7	319	LHG	C32-C33-C34-C35
34	9	321	LHG	C28-C29-C30-C31
34	J	101	LHG	C11-C10-C9-C8
34	L	206	LHG	C9-C10-C11-C12
29	B	828	CLA	CBA-CGA-O2A-C1
29	3	304	CLA	C11-C10-C8-C9
29	A	806	CLA	C11-C10-C8-C9
29	A	854	CLA	C14-C13-C15-C16
29	B	808	CLA	C6-C7-C8-C9
34	7	319	LHG	C33-C34-C35-C36
35	8	314	LMG	C15-C16-C17-C18
29	8	302	CLA	C10-C11-C12-C13
29	a	606	CLA	C15-C16-C17-C18
34	Z	309	LHG	C10-C11-C12-C13
34	3	301	LHG	C30-C31-C32-C33
34	3	321	LHG	C16-C17-C18-C19
34	B	801	LHG	C29-C30-C31-C32
35	3	319	LMG	C2-C1-O1-C7
29	A	831	CLA	C5-C6-C7-C8
29	A	839	CLA	C15-C16-C17-C18
34	4	617	LHG	C24-C25-C26-C27
34	7	319	LHG	C29-C30-C31-C32
34	4	618	LHG	C13-C14-C15-C16
34	8	315	LHG	C27-C28-C29-C30
35	8	314	LMG	C32-C33-C34-C35
31	3	314	II0	C26-C30-C32-C34
31	5	614	II0	C25-C29-C31-C33
31	J	102	II0	C36-C40-C42-C41
31	e	614	II0	C26-C30-C32-C34
37	F	203	8CT	C12-C13-C14-C15
37	I	101	8CT	C16-C17-C18-C19
37	K	103	8CT	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
36	B	850	SQD	C9-C10-C11-C12
29	3	306	CLA	C6-C7-C8-C9
29	9	308	CLA	C16-C17-C18-C19
29	A	816	CLA	C11-C12-C13-C15
34	O	208	LHG	C8-C7-O7-C5
34	c	623	LHG	C8-C7-O7-C5
36	9	301	SQD	C8-C7-O47-C45
36	O	207	SQD	C8-C7-O47-C45
29	4	611	CLA	C5-C6-C7-C8
34	4	617	LHG	O9-C7-O7-C5
34	A	851	LHG	O9-C7-O7-C5
38	9	322	DGD	C5A-C6A-C7A-C8A
30	d	610	KC2	CBD-CGD-O2D-CED
31	1	616	II0	C31-C33-C35-C37
31	5	615	II0	C31-C33-C35-C37
31	5	617	II0	C31-C33-C35-C37
33	6	616	IHT	C30-C32-C33-C36
37	B	851	8CT	C27-C26-C28-C29
34	3	301	LHG	C28-C29-C30-C31
34	4	617	LHG	C30-C31-C32-C33
31	7	316	II0	C32-C34-C36-C40
31	8	311	II0	C31-C33-C35-C39
37	B	851	8CT	C25-C26-C28-C29
29	c	613	CLA	C2A-CAA-CBA-CGA
29	3	306	CLA	C6-C7-C8-C10
29	3	311	CLA	C16-C17-C18-C19
29	3	311	CLA	C16-C17-C18-C20
29	A	816	CLA	C11-C12-C13-C14
29	A	854	CLA	C16-C17-C18-C20
29	2	609	CLA	CBD-CGD-O2D-CED
29	c	615	CLA	CBD-CGD-O2D-CED
34	2	619	LHG	C27-C28-C29-C30
34	b	616	LHG	C25-C26-C27-C28
35	Z	310	LMG	C29-C30-C31-C32
38	B	849	DGD	CEB-CFB-CGB-CHB
30	5	610	KC2	C2C-C3C-CAC-CBC
30	6	610	KC2	C2C-C3C-CAC-CBC
30	6	613	KC2	C2C-C3C-CAC-CBC
30	7	310	KC2	C2C-C3C-CAC-CBC
30	9	311	KC2	C2C-C3C-CAC-CBC
30	c	610	KC2	C2C-C3C-CAC-CBC
30	d	610	KC2	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
35	Z	310	LMG	C34-C35-C36-C37
29	e	604	CLA	C8-C10-C11-C12
34	3	321	LHG	C32-C33-C34-C35
34	A	850	LHG	C14-C15-C16-C17
38	9	322	DGD	C3B-C4B-C5B-C6B
29	A	834	CLA	O1A-CGA-O2A-C1
29	B	831	CLA	O1A-CGA-O2A-C1
29	a	603	CLA	C3-C5-C6-C7
29	1	608	CLA	C8-C10-C11-C12
29	4	607	CLA	C10-C11-C12-C13
29	d	612	CLA	C10-C11-C12-C13
40	B	842	PQN	C15-C16-C17-C18
34	4	617	LHG	C25-C26-C27-C28
29	A	814	CLA	O1D-CGD-O2D-CED
29	A	837	CLA	O1D-CGD-O2D-CED
34	Z	311	LHG	C34-C35-C36-C37
36	3	320	SQD	C9-C10-C11-C12
29	7	308	CLA	C5-C6-C7-C8
29	B	810	CLA	C10-C11-C12-C13
29	B	820	CLA	C5-C6-C7-C8
29	B	833	CLA	C13-C15-C16-C17
29	c	602	CLA	C10-C11-C12-C13
29	c	603	CLA	C10-C11-C12-C13
30	3	307	KC2	C4B-C3B-CAB-CBB
30	3	307	KC2	C4C-C3C-CAC-CBC
30	6	613	KC2	C4B-C3B-CAB-CBB
30	7	313	KC2	C4B-C3B-CAB-CBB
30	b	605	KC2	C4C-C3C-CAC-CBC
30	b	609	KC2	C4B-C3B-CAB-CBB
30	c	611	KC2	C4B-C3B-CAB-CBB
30	c	614	KC2	C4B-C3B-CAB-CBB
38	9	322	DGD	C3A-C4A-C5A-C6A
30	e	609	KC2	CAA-CBA-CGA-O1A
29	a	612	CLA	O1A-CGA-O2A-C1
34	Z	311	LHG	C12-C13-C14-C15
35	8	314	LMG	C11-C12-C13-C14
38	9	322	DGD	C1A-C2A-C3A-C4A
29	3	308	CLA	C10-C11-C12-C13
29	a	608	CLA	C5-C6-C7-C8
29	6	604	CLA	O1D-CGD-O2D-CED
29	c	605	CLA	O1D-CGD-O2D-CED
35	2	618	LMG	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
29	b	611	CLA	C3-C5-C6-C7
35	Z	310	LMG	O1-C7-C8-O7
36	B	850	SQD	O47-C45-C46-O48
34	7	319	LHG	C34-C35-C36-C37
29	4	610	CLA	CBA-CGA-O2A-C1
29	A	836	CLA	CBA-CGA-O2A-C1
34	A	851	LHG	C15-C16-C17-C18
29	A	826	CLA	C8-C10-C11-C12
34	8	315	LHG	C28-C29-C30-C31
38	9	322	DGD	C2B-C3B-C4B-C5B
34	3	301	LHG	C34-C35-C36-C37
34	3	321	LHG	C33-C34-C35-C36
34	7	320	LHG	C28-C29-C30-C31
35	X	302	LMG	C11-C12-C13-C14
29	7	304	CLA	C5-C6-C7-C8
29	A	823	CLA	C8-C10-C11-C12
34	B	801	LHG	C5-C4-O6-P
36	3	322	SQD	C25-C26-C27-C28
29	A	819	CLA	C4-C3-C5-C6
29	A	830	CLA	C3-C5-C6-C7
29	3	310	CLA	C2-C3-C5-C6
34	5	621	LHG	O9-C7-O7-C5
34	a	617	LHG	C1-C2-C3-O3
29	8	302	CLA	C15-C16-C17-C18
29	6	604	CLA	C2A-CAA-CBA-CGA
29	A	809	CLA	C2A-CAA-CBA-CGA
29	B	804	CLA	C2A-CAA-CBA-CGA
29	F	201	CLA	C2A-CAA-CBA-CGA
29	e	611	CLA	C2A-CAA-CBA-CGA
29	A	838	CLA	CBD-CGD-O2D-CED
29	a	605	CLA	CBD-CGD-O2D-CED
34	4	617	LHG	C24-C23-O8-C6
34	c	623	LHG	C9-C10-C11-C12
38	B	849	DGD	C2A-C3A-C4A-C5A
29	B	841	CLA	C2C-C3C-CAC-CBC
29	A	833	CLA	C5-C6-C7-C8
29	L	202	CLA	C5-C6-C7-C8
34	4	618	LHG	C11-C10-C9-C8
34	L	206	LHG	C8-C7-O7-C5
34	8	316	LHG	C24-C25-C26-C27
29	3	308	CLA	C11-C12-C13-C14
29	B	827	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
29	B	829	CLA	C16-C17-C18-C20
29	3	312	CLA	O1D-CGD-O2D-CED
29	4	604	CLA	O1D-CGD-O2D-CED
34	8	316	LHG	O1-C1-C2-O2
30	9	311	KC2	CAA-CBA-CGA-O1A
29	1	603	CLA	C1A-C2A-CAA-CBA
29	2	612	CLA	C1A-C2A-CAA-CBA
29	3	303	CLA	C1A-C2A-CAA-CBA
29	3	308	CLA	C1A-C2A-CAA-CBA
29	5	606	CLA	C1A-C2A-CAA-CBA
29	5	607	CLA	C1A-C2A-CAA-CBA
29	6	612	CLA	C1A-C2A-CAA-CBA
29	7	306	CLA	C1A-C2A-CAA-CBA
29	7	308	CLA	C1A-C2A-CAA-CBA
29	9	303	CLA	C1A-C2A-CAA-CBA
29	A	807	CLA	C1A-C2A-CAA-CBA
29	A	812	CLA	C1A-C2A-CAA-CBA
29	A	814	CLA	C1A-C2A-CAA-CBA
29	A	831	CLA	C1A-C2A-CAA-CBA
29	A	835	CLA	C1A-C2A-CAA-CBA
29	A	842	CLA	C1A-C2A-CAA-CBA
29	A	843	CLA	C1A-C2A-CAA-CBA
29	B	805	CLA	C1A-C2A-CAA-CBA
29	B	823	CLA	C1A-C2A-CAA-CBA
29	B	827	CLA	C1A-C2A-CAA-CBA
29	B	828	CLA	C1A-C2A-CAA-CBA
29	F	201	CLA	C1A-C2A-CAA-CBA
29	K	102	CLA	C1A-C2A-CAA-CBA
29	L	203	CLA	C1A-C2A-CAA-CBA
29	O	204	CLA	C1A-C2A-CAA-CBA
29	Z	302	CLA	C1A-C2A-CAA-CBA
29	a	605	CLA	C1A-C2A-CAA-CBA
29	a	608	CLA	C1A-C2A-CAA-CBA
29	c	606	CLA	C1A-C2A-CAA-CBA
29	c	607	CLA	C1A-C2A-CAA-CBA
29	d	603	CLA	C1A-C2A-CAA-CBA
29	d	607	CLA	C1A-C2A-CAA-CBA
29	d	608	CLA	C1A-C2A-CAA-CBA
29	c	612	CLA	C5-C6-C7-C8
34	2	619	LHG	C15-C16-C17-C18
29	B	817	CLA	C10-C11-C12-C13
34	A	850	LHG	C27-C28-C29-C30

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Mol	Chain	Res	Type	Atoms
29	B	828	CLA	O1A-CGA-O2A-C1
34	2	619	LHG	O6-C4-C5-C6
34	8	315	LHG	O6-C4-C5-C6
34	8	316	LHG	O6-C4-C5-C6
34	7	320	LHG	O9-C7-O7-C5
36	9	301	SQD	O49-C7-O47-C45
36	O	207	SQD	O49-C7-O47-C45
34	B	801	LHG	C11-C12-C13-C14
34	O	208	LHG	C12-C13-C14-C15
29	1	608	CLA	C11-C10-C8-C7
29	8	302	CLA	C11-C12-C13-C15
29	8	303	CLA	C11-C12-C13-C15
29	8	317	CLA	C11-C12-C13-C15
29	8	317	CLA	C12-C13-C15-C16
29	9	308	CLA	C6-C7-C8-C10
29	9	308	CLA	C11-C10-C8-C7
29	A	804	CLA	C11-C12-C13-C15
29	A	804	CLA	C12-C13-C15-C16
29	A	809	CLA	C11-C10-C8-C7
29	A	811	CLA	C12-C13-C15-C16
29	A	818	CLA	C11-C12-C13-C15
29	A	822	CLA	C12-C13-C15-C16
29	A	823	CLA	C6-C7-C8-C10
29	A	831	CLA	C11-C12-C13-C15
29	A	839	CLA	C11-C12-C13-C15
29	A	842	CLA	C11-C12-C13-C15
29	A	854	CLA	C11-C12-C13-C15
29	B	806	CLA	C6-C7-C8-C10
29	B	808	CLA	C11-C10-C8-C7
29	B	824	CLA	C11-C12-C13-C15
29	B	827	CLA	C6-C7-C8-C10
29	B	827	CLA	C11-C12-C13-C15
29	B	829	CLA	C6-C7-C8-C10
29	B	833	CLA	C12-C13-C15-C16
29	B	836	CLA	C11-C10-C8-C7
29	L	202	CLA	C6-C7-C8-C10
29	Z	302	CLA	C6-C7-C8-C10
29	a	604	CLA	C6-C7-C8-C10
29	b	602	CLA	C6-C7-C8-C10
29	b	602	CLA	C11-C12-C13-C15
29	e	606	CLA	C6-C7-C8-C10
36	3	322	SQD	C24-C25-C26-C27

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Mol	Chain	Res	Type	Atoms
29	3	304	CLA	C11-C12-C13-C14
29	e	611	CLA	C16-C17-C18-C20
34	4	617	LHG	C31-C32-C33-C34
29	B	826	CLA	CBD-CGD-O2D-CED
29	O	203	CLA	C5-C6-C7-C8
29	b	602	CLA	C15-C16-C17-C18
35	8	314	LMG	C13-C14-C15-C16
35	8	314	LMG	C37-C38-C39-C40
29	6	606	CLA	C2-C3-C5-C6
29	A	819	CLA	C2-C3-C5-C6
29	A	827	CLA	C2-C3-C5-C6
29	b	604	CLA	C2-C3-C5-C6
34	4	619	LHG	C29-C30-C31-C32
29	6	602	CLA	C10-C11-C12-C13
29	A	841	CLA	C10-C11-C12-C13
29	B	803	CLA	C5-C6-C7-C8
29	B	812	CLA	C5-C6-C7-C8
29	2	607	CLA	CBD-CGD-O2D-CED
29	R	202	CLA	C2A-CAA-CBA-CGA
29	Z	305	CLA	C2A-CAA-CBA-CGA
29	2	605	CLA	C11-C10-C8-C9
29	5	608	CLA	C6-C7-C8-C9
29	7	303	CLA	C14-C13-C15-C16
29	8	308	CLA	C11-C10-C8-C9
29	A	801	CLA	C11-C12-C13-C14
29	A	809	CLA	C11-C10-C8-C9
29	A	818	CLA	C11-C12-C13-C14
29	A	826	CLA	C14-C13-C15-C16
29	A	855	CLA	C11-C10-C8-C9
29	B	808	CLA	C11-C12-C13-C14
29	B	816	CLA	C14-C13-C15-C16
29	B	822	CLA	C11-C10-C8-C9
29	a	604	CLA	C6-C7-C8-C9
29	b	602	CLA	C11-C12-C13-C14
29	c	602	CLA	C11-C10-C8-C9
29	c	604	CLA	C6-C7-C8-C9
29	d	604	CLA	C6-C7-C8-C9
34	8	315	LHG	C7-C8-C9-C10
34	Z	309	LHG	C27-C28-C29-C30
29	8	303	CLA	CBA-CGA-O2A-C1
29	b	603	CLA	CBA-CGA-O2A-C1
35	3	319	LMG	C29-C28-O8-C9

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Mol	Chain	Res	Type	Atoms
34	3	321	LHG	C28-C29-C30-C31
36	3	322	SQD	C2-C1-O6-C44
36	O	207	SQD	C2-C1-O6-C44
34	4	619	LHG	C4-C5-C6-O8
34	A	851	LHG	C4-C5-C6-O8
34	L	208	LHG	C4-C5-C6-O8
34	e	617	LHG	C4-C5-C6-O8
35	6	617	LMG	C7-C8-C9-O8
36	7	321	SQD	O6-C44-C45-C46
38	B	849	DGD	C2B-C3B-C4B-C5B
29	7	303	CLA	O1D-CGD-O2D-CED
29	B	836	CLA	C10-C11-C12-C13
29	e	611	CLA	C15-C16-C17-C18
38	9	322	DGD	C4B-C5B-C6B-C7B
29	7	308	CLA	CBA-CGA-O2A-C1
29	8	302	CLA	CBA-CGA-O2A-C1
29	A	841	CLA	CBA-CGA-O2A-C1
34	2	617	LHG	C24-C23-O8-C6
29	A	817	CLA	C16-C17-C18-C19
29	e	611	CLA	C16-C17-C18-C19
34	8	316	LHG	C9-C10-C11-C12
29	4	602	CLA	O1D-CGD-O2D-CED
35	8	314	LMG	C17-C18-C19-C20
34	b	616	LHG	C7-C8-C9-C10
30	7	310	KC2	CAA-CBA-CGA-O1A
29	3	310	CLA	C4-C3-C5-C6
29	6	606	CLA	C4-C3-C5-C6
29	A	827	CLA	C4-C3-C5-C6
29	B	820	CLA	C4-C3-C5-C6
29	b	604	CLA	C4-C3-C5-C6
37	b	615	8CT	C10-C11-C12-C40
37	b	615	8CT	C14-C15-C16-C39
29	B	827	CLA	C16-C17-C18-C19
29	F	202	CLA	C6-C7-C8-C9
31	4	614	II0	C31-C33-C35-C39
31	b	614	II0	C31-C33-C35-C39
32	8	312	II3	C12-C21-C24-C26
33	K	104	IHT	C18-C22-C23-C27
37	B	851	8CT	C20-C21-C23-C24
29	A	836	CLA	O1A-CGA-O2A-C1
29	K	101	CLA	C15-C16-C17-C18
36	3	322	SQD	C26-C27-C28-C29

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Mol	Chain	Res	Type	Atoms
29	c	615	CLA	C2A-CAA-CBA-CGA
34	2	619	LHG	C28-C29-C30-C31
29	8	302	CLA	C8-C10-C11-C12
34	A	852	LHG	C3-O3-P-O5
29	4	610	CLA	O1A-CGA-O2A-C1
29	d	611	CLA	O1D-CGD-O2D-CED
29	A	842	CLA	CBA-CGA-O2A-C1
34	e	617	LHG	C24-C23-O8-C6
29	B	817	CLA	O2A-C1-C2-C3
34	b	616	LHG	C6-C5-O7-C7
29	3	304	CLA	C10-C11-C12-C13
29	e	611	CLA	C8-C10-C11-C12
31	2	613	II0	C26-C30-C32-C34
32	b	613	II3	C38-C40-C41-C39
37	B	847	8CT	C16-C17-C18-C19
37	B	851	8CT	C12-C13-C14-C15
37	L	205	8CT	C16-C17-C18-C19
29	3	304	CLA	C11-C12-C13-C15
29	A	817	CLA	C16-C17-C18-C20
34	8	315	LHG	C11-C10-C9-C8
38	B	849	DGD	C1B-C2B-C3B-C4B
29	a	611	CLA	C3-C5-C6-C7
34	c	623	LHG	O6-C4-C5-O7
29	A	815	CLA	C8-C10-C11-C12
34	1	619	LHG	C27-C28-C29-C30
35	2	618	LMG	C15-C16-C17-C18
34	1	619	LHG	C26-C27-C28-C29
35	3	319	LMG	C11-C12-C13-C14
36	9	301	SQD	C11-C10-C9-C8
34	4	617	LHG	C11-C10-C9-C8
34	4	618	LHG	C33-C34-C35-C36
34	O	208	LHG	C16-C17-C18-C19
36	a	618	SQD	C26-C27-C28-C29
29	K	102	CLA	C4-C3-C5-C6
29	K	101	CLA	C2-C3-C5-C6
29	R	202	CLA	C2-C3-C5-C6
34	3	301	LHG	C29-C30-C31-C32
34	8	316	LHG	C32-C33-C34-C35
34	O	208	LHG	C15-C16-C17-C18
34	c	623	LHG	C16-C17-C18-C19
34	3	321	LHG	C35-C36-C37-C38
34	L	208	LHG	C31-C32-C33-C34

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Mol	Chain	Res	Type	Atoms
35	8	314	LMG	C34-C35-C36-C37
34	4	617	LHG	O7-C5-C6-O8
35	3	319	LMG	O1-C7-C8-O7
38	9	322	DGD	CCA-CDA-CEA-CFA
29	7	312	CLA	CBA-CGA-O2A-C1
29	B	817	CLA	C11-C12-C13-C14
34	O	208	LHG	C31-C32-C33-C34
34	8	316	LHG	C34-C35-C36-C37
29	A	807	CLA	O1D-CGD-O2D-CED
29	A	853	CLA	O1D-CGD-O2D-CED
29	c	602	CLA	O1D-CGD-O2D-CED
29	R	202	CLA	CAA-CBA-CGA-O2A
29	B	807	CLA	C3-C5-C6-C7
29	B	823	CLA	C3-C5-C6-C7
34	5	621	LHG	C32-C33-C34-C35
29	b	606	CLA	C10-C11-C12-C13
29	R	202	CLA	C6-C7-C8-C10
29	7	308	CLA	O1A-CGA-O2A-C1
29	B	813	CLA	C10-C11-C12-C13
29	7	307	CLA	O1D-CGD-O2D-CED
29	1	602	CLA	CBA-CGA-O2A-C1
29	a	611	CLA	CBA-CGA-O2A-C1
29	e	610	CLA	CBA-CGA-O2A-C1
34	4	619	LHG	C10-C11-C12-C13
29	e	603	CLA	CBD-CGD-O2D-CED
34	a	617	LHG	C11-C10-C9-C8
29	e	606	CLA	C5-C6-C7-C8
29	A	841	CLA	O1A-CGA-O2A-C1
29	9	303	CLA	C5-C6-C7-C8
29	B	833	CLA	C10-C11-C12-C13
29	c	603	CLA	O1D-CGD-O2D-CED
29	4	604	CLA	C4-C3-C5-C6
29	6	607	CLA	C4-C3-C5-C6
29	R	202	CLA	C4-C3-C5-C6
38	B	849	DGD	C8A-C9A-CAA-CBA
29	B	835	CLA	C2-C3-C5-C6
34	B	801	LHG	C34-C35-C36-C37
29	K	101	CLA	C13-C15-C16-C17
34	B	801	LHG	C13-C14-C15-C16
34	Z	309	LHG	C15-C16-C17-C18
29	B	824	CLA	O1D-CGD-O2D-CED
34	7	319	LHG	C11-C10-C9-C8

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Mol	Chain	Res	Type	Atoms
31	3	315	II0	C09-C21-C23-C25
31	3	316	II0	C10-C22-C24-C26
31	4	613	II0	C09-C21-C23-C25
31	5	617	II0	C09-C21-C23-C25
31	8	310	II0	C10-C22-C24-C26
31	9	323	II0	C09-C21-C23-C25
31	a	613	II0	C09-C21-C23-C25
31	a	614	II0	C09-C21-C23-C25
33	5	618	IHT	C11-C21-C24-C26
33	6	616	IHT	C11-C21-C24-C26
29	6	608	CLA	C11-C10-C8-C9
29	8	317	CLA	C11-C12-C13-C14
29	9	307	CLA	C6-C7-C8-C9
29	9	308	CLA	C6-C7-C8-C9
29	9	308	CLA	C11-C10-C8-C9
29	A	801	CLA	C14-C13-C15-C16
29	A	804	CLA	C11-C12-C13-C14
29	A	804	CLA	C14-C13-C15-C16
29	A	811	CLA	C14-C13-C15-C16
29	A	823	CLA	C11-C10-C8-C9
29	A	839	CLA	C11-C12-C13-C14
29	A	842	CLA	C11-C12-C13-C14
29	A	854	CLA	C11-C12-C13-C14
29	B	803	CLA	C14-C13-C15-C16
29	B	814	CLA	C6-C7-C8-C9
29	B	817	CLA	C6-C7-C8-C9
29	B	824	CLA	C11-C12-C13-C14
29	B	829	CLA	C6-C7-C8-C9
29	B	833	CLA	C14-C13-C15-C16
29	B	836	CLA	C11-C10-C8-C9
29	L	202	CLA	C6-C7-C8-C9
29	Z	302	CLA	C6-C7-C8-C9
29	a	612	CLA	C6-C7-C8-C9
29	b	602	CLA	C6-C7-C8-C9
29	b	606	CLA	C14-C13-C15-C16
29	c	607	CLA	C11-C10-C8-C9
34	4	617	LHG	C29-C30-C31-C32
34	B	801	LHG	C32-C33-C34-C35
29	A	801	CLA	C13-C15-C16-C17
29	B	802	CLA	C5-C6-C7-C8
34	c	623	LHG	C5-C4-O6-P
29	8	303	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
29	1	601	CLA	C4B-C3B-CAB-CBB
29	1	605	CLA	C4B-C3B-CAB-CBB
29	1	609	CLA	C4B-C3B-CAB-CBB
29	2	607	CLA	C4B-C3B-CAB-CBB
29	3	303	CLA	C4B-C3B-CAB-CBB
29	3	306	CLA	C4B-C3B-CAB-CBB
29	3	309	CLA	C4B-C3B-CAB-CBB
29	4	606	CLA	C4B-C3B-CAB-CBB
29	5	604	CLA	C4B-C3B-CAB-CBB
29	9	313	CLA	C4B-C3B-CAB-CBB
29	A	818	CLA	C4B-C3B-CAB-CBB
29	A	854	CLA	C4B-C3B-CAB-CBB
29	B	806	CLA	C4B-C3B-CAB-CBB
29	B	832	CLA	C4B-C3B-CAB-CBB
29	B	833	CLA	C4B-C3B-CAB-CBB
29	Z	305	CLA	C4B-C3B-CAB-CBB
29	b	608	CLA	C4B-C3B-CAB-CBB
29	c	615	CLA	C4B-C3B-CAB-CBB
34	9	321	LHG	C12-C13-C14-C15
34	a	617	LHG	C10-C11-C12-C13
34	1	619	LHG	C24-C23-O8-C6
34	4	618	LHG	C15-C16-C17-C18
29	B	831	CLA	C10-C11-C12-C13
34	5	619	LHG	O6-C4-C5-C6
34	5	621	LHG	O6-C4-C5-C6
34	9	321	LHG	O6-C4-C5-C6
34	L	208	LHG	O6-C4-C5-C6
34	a	617	LHG	O6-C4-C5-C6
36	a	618	SQD	C14-C15-C16-C17
38	B	849	DGD	C4B-C5B-C6B-C7B
34	5	621	LHG	C33-C34-C35-C36
34	c	623	LHG	C19-C20-C21-C22
29	2	605	CLA	C11-C10-C8-C7
29	5	608	CLA	C6-C7-C8-C10
29	6	608	CLA	C11-C10-C8-C7
29	7	303	CLA	C12-C13-C15-C16
29	8	302	CLA	C12-C13-C15-C16
29	8	308	CLA	C11-C10-C8-C7
29	A	801	CLA	C11-C10-C8-C7
29	A	801	CLA	C11-C12-C13-C15
29	A	823	CLA	C11-C10-C8-C7
29	A	824	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
29	A	825	CLA	C11-C10-C8-C7
29	A	826	CLA	C11-C10-C8-C7
29	A	826	CLA	C12-C13-C15-C16
29	A	839	CLA	C11-C10-C8-C7
29	A	854	CLA	C11-C10-C8-C7
29	B	808	CLA	C11-C12-C13-C15
29	B	809	CLA	C11-C12-C13-C15
29	B	813	CLA	C6-C7-C8-C10
29	B	816	CLA	C12-C13-C15-C16
29	B	817	CLA	C11-C10-C8-C7
29	B	820	CLA	C6-C7-C8-C10
29	B	829	CLA	C11-C10-C8-C7
29	a	603	CLA	C6-C7-C8-C10
29	a	608	CLA	C6-C7-C8-C10
29	a	612	CLA	C6-C7-C8-C10
29	b	603	CLA	C6-C7-C8-C10
29	b	608	CLA	C11-C10-C8-C7
29	c	602	CLA	C11-C10-C8-C7
29	c	607	CLA	C11-C12-C13-C15
29	d	604	CLA	C6-C7-C8-C10
29	d	608	CLA	C11-C12-C13-C15
29	b	603	CLA	O1A-CGA-O2A-C1
34	9	321	LHG	O10-C23-O8-C6
34	3	321	LHG	C19-C20-C21-C22
29	4	603	CLA	C6-C7-C8-C9
38	B	849	DGD	CFB-CGB-CHB-CIB
36	7	321	SQD	C11-C10-C9-C8
35	8	314	LMG	C38-C39-C40-C41
36	a	618	SQD	C11-C10-C9-C8
35	F	204	LMG	C11-C12-C13-C14
29	1	607	CLA	C3A-C2A-CAA-CBA
29	1	613	CLA	C3A-C2A-CAA-CBA
29	2	606	CLA	C3A-C2A-CAA-CBA
29	9	304	CLA	C3A-C2A-CAA-CBA
29	A	808	CLA	C3A-C2A-CAA-CBA
29	A	818	CLA	C3A-C2A-CAA-CBA
29	A	835	CLA	C3A-C2A-CAA-CBA
29	B	813	CLA	C4-C3-C5-C6
29	B	831	CLA	C3A-C2A-CAA-CBA
29	B	838	CLA	C4-C3-C5-C6
29	K	101	CLA	C4-C3-C5-C6
29	K	102	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
29	L	202	CLA	C4-C3-C5-C6
29	Z	302	CLA	C3A-C2A-CAA-CBA
29	c	602	CLA	C4-C3-C5-C6
29	d	603	CLA	C3A-C2A-CAA-CBA
29	6	607	CLA	C2-C3-C5-C6
29	B	813	CLA	C2-C3-C5-C6
29	B	838	CLA	C2-C3-C5-C6
29	a	606	CLA	C2-C3-C5-C6
29	4	607	CLA	O1D-CGD-O2D-CED
34	A	850	LHG	C12-C13-C14-C15
34	B	801	LHG	C27-C28-C29-C30
29	a	607	CLA	CBA-CGA-O2A-C1
31	1	617	II0	C36-C40-C42-C41
31	5	616	II0	C26-C30-C32-C34
31	a	615	II0	C35-C39-C41-C42
32	8	312	II3	C28-C31-C34-C37
37	B	847	8CT	C18-C19-C20-C21
37	B	852	8CT	C16-C17-C18-C19
37	I	101	8CT	C12-C13-C14-C15
32	8	312	II3	C12-C21-C24-C25
32	8	312	II3	C29-C32-C33-C35
29	b	610	CLA	C4-C3-C5-C6
29	8	302	CLA	O1A-CGA-O2A-C1
38	9	322	DGD	C4A-C5A-C6A-C7A
29	A	853	CLA	C4C-C3C-CAC-CBC
29	e	611	CLA	C5-C6-C7-C8
37	B	846	8CT	C10-C11-C12-C13
37	Z	307	8CT	C25-C26-C28-C29
34	Z	309	LHG	C30-C31-C32-C33
29	A	828	CLA	CBA-CGA-O2A-C1
34	B	801	LHG	C30-C31-C32-C33
34	3	321	LHG	C4-C5-C6-O8
34	4	618	LHG	C4-C5-C6-O8
34	4	620	LHG	C4-C5-C6-O8
34	5	621	LHG	C4-C5-C6-O8
34	A	850	LHG	C4-C5-C6-O8
35	3	319	LMG	O1-C7-C8-C9
35	F	204	LMG	O1-C7-C8-C9
36	3	322	SQD	C44-C45-C46-O48
36	9	301	SQD	C44-C45-C46-O48
36	B	850	SQD	C44-C45-C46-O48
36	a	618	SQD	O6-C44-C45-C46

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Mol	Chain	Res	Type	Atoms
38	B	849	DGD	O1G-C1G-C2G-C3G
36	B	850	SQD	C24-C25-C26-C27
34	4	617	LHG	C9-C10-C11-C12
34	4	620	LHG	C24-C25-C26-C27
36	7	321	SQD	C25-C26-C27-C28
34	A	851	LHG	C11-C10-C9-C8
34	Z	309	LHG	C24-C25-C26-C27
38	9	322	DGD	C7B-C8B-C9B-CAB
29	B	835	CLA	C4-C3-C5-C6
29	a	606	CLA	C4-C3-C5-C6
29	4	604	CLA	C2-C3-C5-C6
29	L	202	CLA	C2-C3-C5-C6
29	c	602	CLA	C2-C3-C5-C6
29	6	602	CLA	C3-C5-C6-C7
29	B	819	CLA	C3-C5-C6-C7
29	c	608	CLA	O1D-CGD-O2D-CED
34	L	207	LHG	C9-C10-C11-C12
34	L	208	LHG	C30-C31-C32-C33
29	A	854	CLA	C16-C17-C18-C19
29	a	607	CLA	C16-C17-C18-C19
29	a	608	CLA	C11-C12-C13-C15
34	2	619	LHG	O6-C4-C5-O7
34	9	321	LHG	O6-C4-C5-O7
34	e	617	LHG	O6-C4-C5-O7
34	b	616	LHG	C24-C25-C26-C27
29	c	604	CLA	O1D-CGD-O2D-CED
29	3	306	CLA	C2B-C3B-CAB-CBB
29	3	309	CLA	C2B-C3B-CAB-CBB
29	9	313	CLA	C2B-C3B-CAB-CBB
29	b	608	CLA	C2B-C3B-CAB-CBB
37	4	616	8CT	C04-C03-C10-C11
37	7	318	8CT	C02-C03-C10-C11
37	J	104	8CT	C04-C03-C10-C11
37	L	205	8CT	C04-C03-C10-C11
37	Z	308	8CT	C04-C03-C10-C11
29	A	816	CLA	O1D-CGD-O2D-CED
29	B	814	CLA	C11-C10-C8-C9
34	4	618	LHG	C18-C19-C20-C21
34	4	620	LHG	C33-C34-C35-C36
29	4	610	CLA	C13-C15-C16-C17
35	X	302	LMG	C12-C13-C14-C15
29	9	308	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
29	A	839	CLA	C16-C17-C18-C19
29	B	839	CLA	C16-C17-C18-C19
29	c	606	CLA	C16-C17-C18-C20
29	6	606	CLA	C2A-CAA-CBA-CGA
34	4	620	LHG	O7-C5-C6-O8
34	L	208	LHG	O7-C5-C6-O8
36	3	322	SQD	O47-C45-C46-O48
36	9	301	SQD	O47-C45-C46-O48
38	B	849	DGD	O2G-C2G-C3G-O3G
30	1	610	KC2	CAA-CBA-CGA-O2A
34	Z	311	LHG	C7-C8-C9-C10
29	A	842	CLA	O1A-CGA-O2A-C1
29	B	820	CLA	C11-C12-C13-C14
29	B	832	CLA	C6-C7-C8-C10
34	2	619	LHG	C23-C24-C25-C26
29	A	820	CLA	C6-C7-C8-C9
29	B	803	CLA	C6-C7-C8-C9
29	B	809	CLA	C11-C12-C13-C14
29	B	827	CLA	C11-C12-C13-C14
29	d	608	CLA	C11-C10-C8-C9
29	e	606	CLA	C6-C7-C8-C9
34	2	617	LHG	C4-C5-C6-O8
29	5	604	CLA	O1D-CGD-O2D-CED
34	1	619	LHG	C25-C26-C27-C28
29	2	604	CLA	C6-C7-C8-C10
29	4	610	CLA	C16-C17-C18-C19
29	B	839	CLA	C16-C17-C18-C20
29	A	829	CLA	O1D-CGD-O2D-CED
35	3	319	LMG	O9-C10-O7-C8
34	A	850	LHG	C19-C20-C21-C22
29	8	302	CLA	CBD-CGD-O2D-CED
34	7	319	LHG	C28-C29-C30-C31
34	c	623	LHG	C13-C14-C15-C16
35	8	314	LMG	C33-C34-C35-C36
29	A	813	CLA	C1A-C2A-CAA-CBA
34	9	321	LHG	C30-C31-C32-C33
35	3	319	LMG	C30-C31-C32-C33
34	A	850	LHG	O1-C1-C2-O2
29	B	827	CLA	C3-C5-C6-C7
29	A	843	CLA	CBA-CGA-O2A-C1
29	B	840	CLA	CBA-CGA-O2A-C1
31	b	612	II0	C25-C29-C31-C33

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Mol	Chain	Res	Type	Atoms
29	3	306	CLA	CAA-CBA-CGA-O2A
29	a	607	CLA	C16-C17-C18-C20
36	3	322	SQD	C8-C7-O47-C45
34	4	620	LHG	C9-C10-C11-C12
34	8	316	LHG	C10-C11-C12-C13
34	8	316	LHG	C25-C26-C27-C28
29	6	602	CLA	C8-C10-C11-C12
29	8	302	CLA	C13-C15-C16-C17
29	B	836	CLA	C15-C16-C17-C18
34	b	616	LHG	C27-C28-C29-C30
29	b	604	CLA	C3-C5-C6-C7
29	A	824	CLA	CBA-CGA-O2A-C1
29	A	829	CLA	CBA-CGA-O2A-C1
34	L	208	LHG	C27-C28-C29-C30
29	B	829	CLA	C15-C16-C17-C18
34	J	101	LHG	O6-C4-C5-C6
34	c	623	LHG	O6-C4-C5-C6
34	4	619	LHG	C26-C27-C28-C29
34	7	320	LHG	C27-C28-C29-C30
29	B	820	CLA	C10-C11-C12-C13
37	4	616	8CT	C22-C21-C23-C24
37	4	616	8CT	C27-C26-C28-C29
34	8	316	LHG	C18-C19-C20-C21
29	3	308	CLA	C6-C7-C8-C10
29	3	311	CLA	C6-C7-C8-C10
29	4	608	CLA	C11-C12-C13-C15
29	6	602	CLA	C12-C13-C15-C16
29	A	810	CLA	C6-C7-C8-C10
29	A	816	CLA	C6-C7-C8-C10
29	A	828	CLA	C11-C12-C13-C15
29	B	803	CLA	C6-C7-C8-C10
29	B	810	CLA	C6-C7-C8-C10
29	B	829	CLA	C12-C13-C15-C16
29	B	831	CLA	C11-C10-C8-C7
29	L	202	CLA	C11-C10-C8-C7
29	d	602	CLA	C11-C10-C8-C7
29	d	608	CLA	C11-C10-C8-C7
36	a	618	SQD	C23-C24-C25-C26
34	8	316	LHG	C33-C34-C35-C36
34	1	619	LHG	C12-C13-C14-C15
34	9	321	LHG	C10-C11-C12-C13
29	d	604	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
31	5	615	II0	C31-C33-C35-C39
31	5	617	II0	C31-C33-C35-C39
31	5	620	II0	C32-C34-C36-C40
33	6	616	IHT	C30-C32-C33-C37
37	4	616	8CT	C25-C26-C28-C29
37	B	843	8CT	C25-C26-C28-C29
37	b	615	8CT	C14-C15-C16-C17
29	O	204	CLA	CBA-CGA-O2A-C1
29	7	312	CLA	O1A-CGA-O2A-C1
36	B	850	SQD	C45-C44-O6-C1
29	B	832	CLA	O1D-CGD-O2D-CED
29	1	601	CLA	C2A-CAA-CBA-CGA
29	3	312	CLA	C2A-CAA-CBA-CGA
29	c	604	CLA	C2A-CAA-CBA-CGA
30	a	610	KC2	CAA-CBA-CGA-O2A
29	A	839	CLA	C16-C17-C18-C20
29	B	812	CLA	C6-C7-C8-C10
29	F	202	CLA	C6-C7-C8-C10
29	a	609	CLA	C11-C12-C13-C15
29	1	613	CLA	O1D-CGD-O2D-CED
29	A	855	CLA	C4-C3-C5-C6
29	B	805	CLA	CAA-CBA-CGA-O2A
29	a	607	CLA	O1A-CGA-O2A-C1
29	a	611	CLA	O1A-CGA-O2A-C1
29	e	610	CLA	O1A-CGA-O2A-C1
34	Z	311	LHG	O10-C23-O8-C6
35	X	302	LMG	O10-C28-O8-C9
30	4	605	KC2	C2C-C3C-CAC-CBC
30	9	311	KC2	C2B-C3B-CAB-CBB
36	3	320	SQD	C25-C26-C27-C28
29	6	602	CLA	CBA-CGA-O2A-C1
34	Z	309	LHG	C6-C5-O7-C7
34	a	617	LHG	C6-C5-O7-C7
29	1	602	CLA	O1A-CGA-O2A-C1
29	B	827	CLA	C8-C10-C11-C12
31	8	313	II0	C26-C30-C32-C34
31	a	615	II0	C36-C40-C42-C41
37	4	616	8CT	C23-C24-C25-C26
35	F	204	LMG	C31-C32-C33-C34
34	5	619	LHG	O6-C4-C5-O7
34	B	801	LHG	O6-C4-C5-O7
34	J	101	LHG	O6-C4-C5-O7

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Mol	Chain	Res	Type	Atoms
34	L	208	LHG	O6-C4-C5-O7
35	3	319	LMG	C7-C8-C9-O8
35	Z	310	LMG	O1-C7-C8-C9
36	O	207	SQD	O6-C44-C45-C46
34	L	208	LHG	C11-C10-C9-C8
29	A	823	CLA	CBD-CGD-O2D-CED
29	A	854	CLA	C13-C15-C16-C17
30	1	610	KC2	C4B-C3B-CAB-CBB
30	5	610	KC2	C4C-C3C-CAC-CBC
30	a	610	KC2	C4B-C3B-CAB-CBB
30	a	610	KC2	C4C-C3C-CAC-CBC
30	d	610	KC2	C4C-C3C-CAC-CBC
30	e	609	KC2	C4C-C3C-CAC-CBC
29	A	843	CLA	O1A-CGA-O2A-C1
34	4	619	LHG	C15-C16-C17-C18
29	6	605	CLA	C4-C3-C5-C6
29	B	822	CLA	C4-C3-C5-C6
29	O	203	CLA	C4-C3-C5-C6
29	e	604	CLA	C2A-CAA-CBA-CGA
29	b	602	CLA	C5-C6-C7-C8
29	B	823	CLA	O1D-CGD-O2D-CED
29	A	810	CLA	C3-C5-C6-C7
34	2	619	LHG	O7-C5-C6-O8
34	4	618	LHG	O7-C5-C6-O8
34	A	852	LHG	O7-C5-C6-O8
34	L	206	LHG	O7-C5-C6-O8
35	F	204	LMG	O1-C7-C8-O7
29	A	810	CLA	C6-C7-C8-C9
29	B	806	CLA	C11-C10-C8-C9
29	b	604	CLA	C6-C7-C8-C9
29	b	608	CLA	C11-C10-C8-C9
34	4	617	LHG	C27-C28-C29-C30
29	A	828	CLA	O1A-CGA-O2A-C1
29	A	820	CLA	C8-C10-C11-C12
37	b	615	8CT	C26-C28-C29-C30
29	6	602	CLA	O1A-CGA-O2A-C1
29	A	829	CLA	O1A-CGA-O2A-C1
29	O	204	CLA	O1A-CGA-O2A-C1
34	B	801	LHG	C26-C27-C28-C29
35	8	314	LMG	O6-C5-C6-O5
29	c	604	CLA	C11-C12-C13-C14
29	a	605	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
29	A	820	CLA	C3-C5-C6-C7
34	9	321	LHG	C23-C24-C25-C26
34	A	851	LHG	C17-C18-C19-C20
34	Z	309	LHG	C28-C29-C30-C31
38	B	849	DGD	C3B-C4B-C5B-C6B
29	A	829	CLA	C2A-CAA-CBA-CGA
38	9	322	DGD	C6A-C7A-C8A-C9A
29	B	821	CLA	C11-C12-C13-C14
29	A	824	CLA	O1A-CGA-O2A-C1
34	2	619	LHG	C11-C10-C9-C8
29	6	604	CLA	C3-C5-C6-C7
36	O	207	SQD	C4-C5-C6-S
38	9	322	DGD	CAB-CBB-CCB-CDB
29	2	609	CLA	O1D-CGD-O2D-CED
34	1	619	LHG	C10-C11-C12-C13
36	3	322	SQD	O49-C7-O47-C45
31	3	317	II0	C10-C22-C24-C26
31	b	614	II0	C09-C21-C23-C25
31	c	618	II0	C09-C21-C23-C25
29	B	840	CLA	O1A-CGA-O2A-C1
29	1	607	CLA	C4B-C3B-CAB-CBB
29	1	613	CLA	C4B-C3B-CAB-CBB
29	3	302	CLA	C4B-C3B-CAB-CBB
29	3	312	CLA	C4B-C3B-CAB-CBB
29	4	602	CLA	C1A-C2A-CAA-CBA
29	5	601	CLA	C4B-C3B-CAB-CBB
29	5	605	CLA	C4B-C3B-CAB-CBB
29	5	609	CLA	C4B-C3B-CAB-CBB
29	5	613	CLA	C4B-C3B-CAB-CBB
29	6	601	CLA	C4B-C3B-CAB-CBB
29	6	606	CLA	C4B-C3B-CAB-CBB
29	7	312	CLA	C4B-C3B-CAB-CBB
29	8	317	CLA	C4B-C3B-CAB-CBB
29	9	302	CLA	C4B-C3B-CAB-CBB
29	9	304	CLA	C1A-C2A-CAA-CBA
29	A	822	CLA	C1A-C2A-CAA-CBA
29	A	854	CLA	C1A-C2A-CAA-CBA
29	B	838	CLA	C4B-C3B-CAB-CBB
29	O	203	CLA	C4B-C3B-CAB-CBB
29	Z	304	CLA	C4B-C3B-CAB-CBB
29	a	601	CLA	C4B-C3B-CAB-CBB
29	a	612	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
29	b	601	CLA	C4B-C3B-CAB-CBB
29	c	605	CLA	C4B-C3B-CAB-CBB
29	d	601	CLA	C4B-C3B-CAB-CBB
29	d	609	CLA	C4B-C3B-CAB-CBB
29	e	601	CLA	C4B-C3B-CAB-CBB
29	c	615	CLA	O1D-CGD-O2D-CED
35	Z	310	LMG	C41-C42-C43-C44
34	8	315	LHG	C23-C24-C25-C26
29	B	817	CLA	C4-C3-C5-C6
29	8	308	CLA	C5-C6-C7-C8
29	B	803	CLA	C15-C16-C17-C18
29	6	605	CLA	C2-C3-C5-C6
31	c	619	II0	C31-C33-C35-C39
32	8	312	II3	C29-C32-C33-C36
37	B	843	8CT	C14-C15-C16-C17
37	B	852	8CT	C20-C21-C23-C24
37	b	615	8CT	C10-C11-C12-C13
29	c	608	CLA	C11-C12-C13-C15
34	B	801	LHG	O6-C4-C5-C6
34	4	619	LHG	C18-C19-C20-C21
29	c	609	CLA	CBD-CGD-O2D-CED
29	A	837	CLA	C15-C16-C17-C18
29	2	604	CLA	C3-C5-C6-C7
29	8	305	CLA	C3-C5-C6-C7
29	1	608	CLA	C6-C7-C8-C10
29	4	607	CLA	C6-C7-C8-C10
29	A	806	CLA	C12-C13-C15-C16
29	A	822	CLA	C11-C10-C8-C7
29	A	830	CLA	C11-C10-C8-C7
29	A	840	CLA	C11-C10-C8-C7
29	A	840	CLA	C11-C12-C13-C15
29	A	841	CLA	C11-C10-C8-C7
29	B	833	CLA	C6-C7-C8-C10
29	B	836	CLA	C12-C13-C15-C16
29	b	602	CLA	C11-C10-C8-C7
29	b	606	CLA	C11-C12-C13-C15
29	c	603	CLA	C11-C10-C8-C7
29	c	603	CLA	C11-C12-C13-C15
29	c	606	CLA	C12-C13-C15-C16
29	d	608	CLA	C12-C13-C15-C16
29	d	612	CLA	C11-C12-C13-C15
34	3	301	LHG	C33-C34-C35-C36

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Mol	Chain	Res	Type	Atoms
35	6	617	LMG	C30-C31-C32-C33
29	A	804	CLA	C16-C17-C18-C19
29	B	812	CLA	C6-C7-C8-C9
29	c	606	CLA	C16-C17-C18-C19
29	2	607	CLA	O1D-CGD-O2D-CED
29	B	826	CLA	O1D-CGD-O2D-CED
29	4	601	CLA	CBA-CGA-O2A-C1
29	4	602	CLA	C11-C12-C13-C14
34	4	618	LHG	C5-C4-O6-P
35	6	617	LMG	C29-C30-C31-C32
29	A	842	CLA	C4-C3-C5-C6
29	B	806	CLA	C4-C3-C5-C6
29	A	837	CLA	C16-C17-C18-C20
35	Z	310	LMG	C42-C43-C44-C45
36	B	850	SQD	O48-C23-C24-C25
34	M	102	LHG	O6-C4-C5-O7
34	a	617	LHG	O6-C4-C5-O7
34	9	321	LHG	C32-C33-C34-C35
34	5	621	LHG	C7-C8-C9-C10
34	7	320	LHG	C7-C8-C9-C10
29	A	814	CLA	C2C-C3C-CAC-CBC
29	3	308	CLA	C6-C7-C8-C9
29	A	801	CLA	C11-C10-C8-C9
29	A	824	CLA	C11-C10-C8-C9
29	A	828	CLA	C11-C12-C13-C14
29	B	813	CLA	C6-C7-C8-C9
29	B	831	CLA	C11-C10-C8-C9
29	B	836	CLA	C14-C13-C15-C16
29	d	602	CLA	C11-C10-C8-C9
29	d	608	CLA	C11-C12-C13-C14
29	B	829	CLA	C8-C10-C11-C12
31	2	615	II0	C26-C30-C32-C34
31	3	316	II0	C35-C39-C41-C42
31	4	612	II0	C25-C29-C31-C33
31	5	615	II0	C26-C30-C32-C34
31	8	311	II0	C35-C39-C41-C42
31	9	319	II0	C35-C39-C41-C42
31	d	615	II0	C26-C30-C32-C34
37	A	847	8CT	C23-C24-C25-C26
37	B	852	8CT	C23-C24-C25-C26
37	L	205	8CT	C18-C19-C20-C21
37	R	203	8CT	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
38	9	322	DGD	CBA-CCA-CDA-CEA
30	2	610	KC2	C3A-C2A-CAA-CBA
30	4	605	KC2	C3A-C2A-CAA-CBA
30	5	610	KC2	C1A-C2A-CAA-CBA
30	6	613	KC2	C3A-C2A-CAA-CBA
30	7	310	KC2	C3A-C2A-CAA-CBA
30	7	313	KC2	C3A-C2A-CAA-CBA
30	b	609	KC2	C3A-C2A-CAA-CBA
30	c	614	KC2	C3A-C2A-CAA-CBA
30	e	605	KC2	C1A-C2A-CAA-CBA
36	B	850	SQD	O5-C5-C6-S
29	e	603	CLA	O1D-CGD-O2D-CED
29	B	829	CLA	C3-C5-C6-C7
34	5	621	LHG	O7-C5-C6-O8
34	A	851	LHG	O7-C5-C6-O8
34	B	801	LHG	O7-C5-C6-O8
34	e	617	LHG	O7-C5-C6-O8
35	6	617	LMG	O7-C8-C9-O8
36	9	301	SQD	O6-C44-C45-O47
36	O	207	SQD	O6-C44-C45-O47
36	a	618	SQD	O6-C44-C45-O47
38	B	849	DGD	O1G-C1G-C2G-O2G
30	b	605	KC2	CAA-CBA-CGA-O2A
29	A	820	CLA	C16-C17-C18-C19
34	L	206	LHG	C4-C5-C6-O8
36	9	301	SQD	O6-C44-C45-C46
29	A	817	CLA	C4-C3-C5-C6
29	4	601	CLA	O1A-CGA-O2A-C1
34	B	801	LHG	C7-C8-C9-C10
29	3	311	CLA	CAD-CBD-CGD-O2D
29	5	604	CLA	CAD-CBD-CGD-O2D
29	6	604	CLA	CAD-CBD-CGD-O2D
29	7	305	CLA	CAD-CBD-CGD-O2D
29	8	307	CLA	CAD-CBD-CGD-O2D
29	A	803	CLA	CAD-CBD-CGD-O2D
29	A	810	CLA	CAD-CBD-CGD-O2D
29	Z	303	CLA	CAD-CBD-CGD-O2D
29	c	604	CLA	CAD-CBD-CGD-O2D
29	c	613	CLA	CAD-CBD-CGD-O2D
29	A	827	CLA	C13-C15-C16-C17
34	8	315	LHG	C26-C27-C28-C29
29	4	603	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
29	8	303	CLA	C15-C16-C17-C18
29	B	822	CLA	C10-C11-C12-C13
29	b	607	CLA	C10-C11-C12-C13
29	A	843	CLA	C16-C17-C18-C20
29	B	825	CLA	C11-C12-C13-C15
34	L	207	LHG	C12-C13-C14-C15
29	c	607	CLA	C3-C5-C6-C7
34	A	850	LHG	C29-C30-C31-C32
29	A	806	CLA	C5-C6-C7-C8
29	4	603	CLA	O1A-CGA-O2A-C1
34	8	316	LHG	C30-C31-C32-C33
34	8	316	LHG	C15-C16-C17-C18
35	8	314	LMG	C31-C32-C33-C34
29	1	605	CLA	CAD-CBD-CGD-O2D
29	3	311	CLA	CAD-CBD-CGD-O1D
29	4	604	CLA	CAD-CBD-CGD-O1D
29	5	604	CLA	CAD-CBD-CGD-O1D
29	6	604	CLA	CAD-CBD-CGD-O1D
29	7	305	CLA	CAD-CBD-CGD-O1D
29	7	306	CLA	CHA-CBD-CGD-O1D
29	7	306	CLA	CHA-CBD-CGD-O2D
29	8	307	CLA	CAD-CBD-CGD-O1D
29	9	302	CLA	CHA-CBD-CGD-O2D
29	9	303	CLA	CHA-CBD-CGD-O1D
29	9	303	CLA	CHA-CBD-CGD-O2D
29	9	307	CLA	CHA-CBD-CGD-O1D
29	A	803	CLA	CAD-CBD-CGD-O1D
29	A	806	CLA	CHA-CBD-CGD-O1D
29	A	806	CLA	CHA-CBD-CGD-O2D
29	A	810	CLA	CAD-CBD-CGD-O1D
29	A	820	CLA	CHA-CBD-CGD-O1D
29	A	820	CLA	CHA-CBD-CGD-O2D
29	A	829	CLA	CHA-CBD-CGD-O1D
29	A	829	CLA	CHA-CBD-CGD-O2D
29	A	841	CLA	CHA-CBD-CGD-O1D
29	A	841	CLA	CHA-CBD-CGD-O2D
29	B	804	CLA	CHA-CBD-CGD-O1D
29	B	804	CLA	CHA-CBD-CGD-O2D
29	B	810	CLA	CHA-CBD-CGD-O1D
29	O	203	CLA	CHA-CBD-CGD-O1D
29	O	203	CLA	CHA-CBD-CGD-O2D
29	Z	303	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
29	b	611	CLA	CHA-CBD-CGD-O1D
29	b	611	CLA	CHA-CBD-CGD-O2D
29	c	604	CLA	CAD-CBD-CGD-O1D
29	c	606	CLA	CHA-CBD-CGD-O1D
29	c	606	CLA	CHA-CBD-CGD-O2D
29	c	613	CLA	CAD-CBD-CGD-O1D
30	3	307	KC2	CHA-CBD-CGD-O2D
30	5	610	KC2	CHA-CBD-CGD-O1D
30	6	613	KC2	CHA-CBD-CGD-O2D
30	Z	306	KC2	CHA-CBD-CGD-O1D
30	Z	306	KC2	CHA-CBD-CGD-O2D
30	d	610	KC2	CHA-CBD-CGD-O1D
31	2	614	II0	C26-C30-C32-C34
31	2	615	II0	C35-C39-C41-C42
31	8	311	II0	C36-C40-C42-C41
31	J	102	II0	C35-C39-C41-C42
32	8	312	II3	C07-C04-C12-C21
33	K	104	IHT	C23-C27-C30-C32
33	K	104	IHT	C26-C29-C31-C34
34	2	617	LHG	C3-O3-P-O5
34	2	617	LHG	C4-O6-P-O3
34	2	617	LHG	C4-O6-P-O5
34	2	619	LHG	C4-O6-P-O5
34	3	301	LHG	C3-O3-P-O5
34	3	321	LHG	C3-O3-P-O5
34	4	617	LHG	C3-O3-P-O5
34	4	617	LHG	C4-O6-P-O4
34	4	617	LHG	C4-O6-P-O5
34	4	618	LHG	C4-O6-P-O4
34	4	620	LHG	C3-O3-P-O5
34	5	619	LHG	C4-O6-P-O5
34	7	319	LHG	C3-O3-P-O5
34	7	319	LHG	C4-O6-P-O5
34	7	320	LHG	C3-O3-P-O4
34	8	315	LHG	C4-O6-P-O4
34	A	852	LHG	C4-O6-P-O3
34	L	208	LHG	C4-O6-P-O4
34	Z	309	LHG	C4-O6-P-O5
34	Z	311	LHG	C4-O6-P-O4
34	Z	311	LHG	C4-O6-P-O5
34	a	617	LHG	C3-O3-P-O6
34	a	617	LHG	C4-O6-P-O5

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Mol	Chain	Res	Type	Atoms
34	b	616	LHG	C4-O6-P-O3
34	c	622	LHG	C3-O3-P-O5
34	c	622	LHG	C4-O6-P-O5
34	c	623	LHG	C4-O6-P-O4
34	e	617	LHG	C3-O3-P-O6
34	e	617	LHG	C4-O6-P-O4
37	A	845	8CT	C16-C17-C18-C19
37	B	846	8CT	C23-C24-C25-C26
37	R	203	8CT	C12-C13-C14-C15
29	1	601	CLA	C2B-C3B-CAB-CBB
29	1	613	CLA	C2B-C3B-CAB-CBB
29	3	302	CLA	C2B-C3B-CAB-CBB
29	3	312	CLA	C2B-C3B-CAB-CBB
29	4	606	CLA	C2B-C3B-CAB-CBB
29	5	604	CLA	C2B-C3B-CAB-CBB
29	5	608	CLA	C2B-C3B-CAB-CBB
29	5	613	CLA	C2B-C3B-CAB-CBB
29	7	312	CLA	C2B-C3B-CAB-CBB
29	8	317	CLA	C2B-C3B-CAB-CBB
29	9	302	CLA	C2B-C3B-CAB-CBB
29	A	801	CLA	C2B-C3B-CAB-CBB
29	A	842	CLA	C2B-C3B-CAB-CBB
29	B	803	CLA	C2B-C3B-CAB-CBB
29	B	806	CLA	C2B-C3B-CAB-CBB
29	O	203	CLA	C2B-C3B-CAB-CBB
29	Z	304	CLA	C2B-C3B-CAB-CBB
29	Z	305	CLA	C2B-C3B-CAB-CBB
29	a	601	CLA	C2B-C3B-CAB-CBB
29	b	601	CLA	C2B-C3B-CAB-CBB
29	c	613	CLA	C2B-C3B-CAB-CBB
29	c	615	CLA	C2B-C3B-CAB-CBB
33	c	620	IHT	C10-C07-C18-C22
36	O	207	SQD	O48-C23-C24-C25
37	4	616	8CT	C02-C03-C10-C11
34	O	208	LHG	C13-C14-C15-C16
29	A	855	CLA	C2-C3-C5-C6
29	B	820	CLA	C2-C3-C5-C6
29	O	203	CLA	C2-C3-C5-C6
31	c	619	II0	C31-C33-C35-C37
33	Z	301	IHT	C31-C34-C35-C39
34	2	619	LHG	C2-C3-O3-P
34	J	101	LHG	C2-C3-O3-P

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Mol	Chain	Res	Type	Atoms
34	Z	311	LHG	C5-C4-O6-P
37	B	852	8CT	C10-C11-C12-C40
34	2	619	LHG	C9-C10-C11-C12
29	B	810	CLA	CBD-CGD-O2D-CED
34	c	622	LHG	C24-C25-C26-C27
29	2	611	CLA	C2C-C3C-CAC-CBC
34	1	619	LHG	C23-C24-C25-C26
35	6	617	LMG	C28-C29-C30-C31
29	B	824	CLA	O2A-C1-C2-C3
34	A	852	LHG	C4-C5-O7-C7
29	6	605	CLA	CAA-CBA-CGA-O2A
29	2	602	CLA	C8-C10-C11-C12
29	8	303	CLA	C10-C11-C12-C13
29	A	855	CLA	C8-C10-C11-C12
29	B	806	CLA	C2-C3-C5-C6
29	B	822	CLA	C2-C3-C5-C6
35	Z	310	LMG	C33-C34-C35-C36
31	7	314	II0	C26-C30-C32-C34
31	9	319	II0	C36-C40-C42-C41
29	9	309	CLA	C6-C7-C8-C9
34	4	617	LHG	C10-C11-C12-C13
34	4	619	LHG	C9-C10-C11-C12
38	9	322	DGD	C8A-C9A-CAA-CBA
29	A	817	CLA	C14-C13-C15-C16
29	A	825	CLA	C6-C7-C8-C9
29	A	826	CLA	C11-C10-C8-C9
29	A	840	CLA	C11-C10-C8-C9
29	A	854	CLA	C11-C10-C8-C9
29	B	810	CLA	C6-C7-C8-C9
29	B	829	CLA	C11-C12-C13-C14
29	a	603	CLA	C6-C7-C8-C9
29	a	607	CLA	C11-C10-C8-C9
29	a	608	CLA	C6-C7-C8-C9
29	b	602	CLA	C11-C10-C8-C9
29	d	604	CLA	C11-C10-C8-C9
35	8	314	LMG	C23-C24-C25-C26
29	4	608	CLA	C12-C13-C15-C16
29	6	604	CLA	C6-C7-C8-C10
29	A	825	CLA	C6-C7-C8-C10
29	A	840	CLA	C6-C7-C8-C10
29	B	803	CLA	C11-C10-C8-C7
29	B	829	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
29	a	607	CLA	C11-C10-C8-C7
34	8	315	LHG	O6-C4-C5-O7
29	a	602	CLA	C2A-CAA-CBA-CGA
29	4	611	CLA	C16-C17-C18-C20
29	A	820	CLA	C16-C17-C18-C20
29	A	836	CLA	C6-C7-C8-C9
29	7	303	CLA	CBA-CGA-O2A-C1
29	7	303	CLA	O1A-CGA-O2A-C1
29	8	302	CLA	O1D-CGD-O2D-CED
34	Z	311	LHG	C35-C36-C37-C38
29	A	838	CLA	O1D-CGD-O2D-CED
29	A	840	CLA	C4-C3-C5-C6
29	K	102	CLA	C2-C3-C5-C6
29	2	602	CLA	C11-C12-C13-C14
29	d	602	CLA	C3-C5-C6-C7
29	A	809	CLA	C11-C12-C13-C15
29	B	821	CLA	C11-C12-C13-C15
29	c	604	CLA	C11-C12-C13-C15
29	a	604	CLA	C5-C6-C7-C8
34	8	316	LHG	C2-C3-O3-P
34	4	619	LHG	O7-C5-C6-O8
29	3	310	CLA	CBA-CGA-O2A-C1
31	7	317	II0	C36-C40-C42-C41
33	8	309	IHT	C33-C37-C40-C41
37	A	844	8CT	C23-C24-C25-C26
34	4	618	LHG	C14-C15-C16-C17
29	c	608	CLA	C11-C12-C13-C14
29	A	831	CLA	C15-C16-C17-C18
29	A	832	CLA	C5-C6-C7-C8
40	A	849	PQN	C23-C25-C26-C27
29	9	309	CLA	CBD-CGD-O2D-CED
34	3	321	LHG	C9-C10-C11-C12
29	3	310	CLA	O1A-CGA-O2A-C1
34	Z	311	LHG	C27-C28-C29-C30
29	A	839	CLA	C2-C1-O2A-CGA
34	B	801	LHG	C4-C5-C6-O8
35	6	617	LMG	O8-C28-C29-C30
31	3	316	II0	C32-C34-C36-C38
37	4	616	8CT	C14-C15-C16-C39
30	4	605	KC2	CAA-CBA-CGA-O2A
36	a	618	SQD	C10-C11-C12-C13
29	A	801	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
29	A	838	CLA	C16-C17-C18-C19
33	Z	301	IHT	C31-C34-C35-C38
37	4	616	8CT	C20-C21-C23-C24
29	b	606	CLA	CBA-CGA-O2A-C1
29	A	816	CLA	CAA-CBA-CGA-O2A
35	X	302	LMG	C8-C7-O1-C1
29	7	305	CLA	C2A-CAA-CBA-CGA
29	b	610	CLA	C2A-CAA-CBA-CGA
29	d	602	CLA	C2A-CAA-CBA-CGA
29	e	606	CLA	C2A-CAA-CBA-CGA
31	7	301	II0	C26-C30-C32-C34
32	b	613	II3	C33-C36-C39-C41
35	8	314	LMG	C24-C25-C26-C27
29	A	821	CLA	C4-C3-C5-C6
29	B	831	CLA	C4-C3-C5-C6
29	A	840	CLA	C2-C3-C5-C6
29	A	823	CLA	O1D-CGD-O2D-CED
34	4	617	LHG	C34-C35-C36-C37
29	A	806	CLA	C15-C16-C17-C18
29	4	606	CLA	C11-C12-C13-C14
29	a	605	CLA	C6-C7-C8-C10
34	7	320	LHG	C29-C30-C31-C32
29	A	822	CLA	C11-C10-C8-C9
29	A	811	CLA	C4B-C3B-CAB-CBB
29	F	202	CLA	C4B-C3B-CAB-CBB
29	b	611	CLA	C4B-C3B-CAB-CBB
29	c	601	CLA	C4B-C3B-CAB-CBB
34	5	621	LHG	C24-C25-C26-C27
34	Z	311	LHG	C31-C32-C33-C34
29	K	101	CLA	C8-C10-C11-C12
36	3	322	SQD	C27-C28-C29-C30
29	2	608	CLA	C11-C12-C13-C14
29	a	609	CLA	C11-C12-C13-C14
29	A	821	CLA	CBA-CGA-O2A-C1
34	A	851	LHG	C24-C23-O8-C6
34	3	321	LHG	C11-C12-C13-C14
35	Z	310	LMG	C11-C12-C13-C14
29	2	604	CLA	C5-C6-C7-C8
29	B	821	CLA	C2A-CAA-CBA-CGA
29	Z	305	CLA	CAA-CBA-CGA-O2A
29	A	817	CLA	C2-C3-C5-C6
29	2	611	CLA	C4C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
30	6	610	KC2	C4C-C3C-CAC-CBC
30	6	613	KC2	C4C-C3C-CAC-CBC
30	7	310	KC2	C4C-C3C-CAC-CBC
30	9	311	KC2	C4B-C3B-CAB-CBB
30	9	311	KC2	C4C-C3C-CAC-CBC
30	c	610	KC2	C4C-C3C-CAC-CBC
30	d	610	KC2	C4B-C3B-CAB-CBB
29	B	825	CLA	C11-C12-C13-C14
29	F	202	CLA	O1D-CGD-O2D-CED
29	8	302	CLA	C6-C7-C8-C10
29	A	833	CLA	C11-C12-C13-C15
29	A	842	CLA	C11-C10-C8-C7
29	B	813	CLA	C11-C10-C8-C7
29	B	819	CLA	C6-C7-C8-C10
29	a	606	CLA	C12-C13-C15-C16
29	e	611	CLA	C11-C10-C8-C7
40	B	842	PQN	C17-C18-C20-C21
34	L	207	LHG	C25-C26-C27-C28
29	B	823	CLA	C15-C16-C17-C18
29	9	309	CLA	C6-C7-C8-C10
29	b	606	CLA	O1A-CGA-O2A-C1
29	2	603	CLA	C3A-C2A-CAA-CBA
29	2	607	CLA	C3A-C2A-CAA-CBA
29	d	607	CLA	C3A-C2A-CAA-CBA
34	L	208	LHG	C26-C27-C28-C29
36	3	320	SQD	C24-C25-C26-C27
31	d	616	II0	C38-C36-C40-C42
37	B	844	8CT	C40-C12-C13-C14
37	B	852	8CT	C40-C12-C13-C14
37	F	203	8CT	C39-C16-C17-C18
29	6	607	CLA	C3-C5-C6-C7
29	c	603	CLA	C3-C5-C6-C7
29	c	607	CLA	C8-C10-C11-C12
29	d	612	CLA	C13-C15-C16-C17
35	Z	310	LMG	C14-C15-C16-C17
29	L	201	CLA	C2-C1-O2A-CGA
29	a	602	CLA	C2-C1-O2A-CGA
31	4	613	II0	C35-C39-C41-C42
31	6	615	II0	C26-C30-C32-C34
31	6	615	II0	C36-C40-C42-C41
31	O	205	II0	C35-C39-C41-C42
37	B	852	8CT	C18-C19-C20-C21

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Mol	Chain	Res	Type	Atoms
34	A	850	LHG	C10-C11-C12-C13
31	3	317	II0	C31-C33-C35-C37
34	1	619	LHG	C2-C3-O3-P
34	7	320	LHG	C2-C3-O3-P
37	B	852	8CT	C14-C15-C16-C39
29	A	821	CLA	O1A-CGA-O2A-C1
29	B	807	CLA	C4-C3-C5-C6
29	A	842	CLA	C2-C3-C5-C6
29	B	817	CLA	C2-C3-C5-C6
29	6	602	CLA	C5-C6-C7-C8
29	A	815	CLA	C2A-CAA-CBA-CGA
29	B	802	CLA	C2A-CAA-CBA-CGA
35	2	618	LMG	C4-C5-C6-O5
29	B	816	CLA	C13-C15-C16-C17
36	7	321	SQD	C44-C45-C46-O48
29	B	804	CLA	CAA-CBA-CGA-O1A
29	c	605	CLA	CAA-CBA-CGA-O1A
29	B	818	CLA	O1A-CGA-O2A-C1
29	1	612	CLA	C6-C7-C8-C9
29	3	305	CLA	C11-C12-C13-C14
29	6	602	CLA	C11-C12-C13-C14
29	8	308	CLA	C11-C12-C13-C14
29	A	806	CLA	C6-C7-C8-C9
29	A	823	CLA	C11-C12-C13-C14
29	A	824	CLA	C6-C7-C8-C9
29	A	837	CLA	C6-C7-C8-C9
29	A	841	CLA	C6-C7-C8-C9
29	A	842	CLA	C11-C10-C8-C9
29	B	809	CLA	C14-C13-C15-C16
29	B	819	CLA	C6-C7-C8-C9
29	B	833	CLA	C6-C7-C8-C9
29	b	608	CLA	C14-C13-C15-C16
29	d	602	CLA	C6-C7-C8-C9
29	d	602	CLA	C11-C12-C13-C14
34	Z	311	LHG	C15-C16-C17-C18
34	A	850	LHG	O1-C1-C2-C3
29	d	601	CLA	CBD-CGD-O2D-CED
29	B	818	CLA	CBA-CGA-O2A-C1
29	B	814	CLA	C3-C5-C6-C7
29	B	804	CLA	CAA-CBA-CGA-O2A
29	F	202	CLA	CBD-CGD-O2D-CED
29	3	313	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
29	e	601	CLA	CAA-CBA-CGA-O1A
29	2	604	CLA	C2A-CAA-CBA-CGA
29	B	807	CLA	C2A-CAA-CBA-CGA
29	b	604	CLA	C2A-CAA-CBA-CGA
29	R	202	CLA	CAA-CBA-CGA-O1A
29	1	613	CLA	C1A-C2A-CAA-CBA
29	2	603	CLA	C1A-C2A-CAA-CBA
29	2	606	CLA	C1A-C2A-CAA-CBA
29	5	602	CLA	C1A-C2A-CAA-CBA
29	5	611	CLA	C1A-C2A-CAA-CBA
29	7	303	CLA	C1A-C2A-CAA-CBA
29	A	806	CLA	C1A-C2A-CAA-CBA
29	A	818	CLA	C1A-C2A-CAA-CBA
29	B	812	CLA	C1A-C2A-CAA-CBA
29	B	813	CLA	C1A-C2A-CAA-CBA
29	L	201	CLA	C1A-C2A-CAA-CBA
29	Z	303	CLA	C1A-C2A-CAA-CBA
29	a	609	CLA	C1A-C2A-CAA-CBA
29	b	607	CLA	C1A-C2A-CAA-CBA
31	d	616	II0	C34-C36-C40-C42
37	B	844	8CT	C11-C12-C13-C14
37	B	852	8CT	C11-C12-C13-C14
37	F	203	8CT	C15-C16-C17-C18
29	a	604	CLA	C11-C12-C13-C15
29	5	606	CLA	CAA-CBA-CGA-O1A
29	5	607	CLA	CAA-CBA-CGA-O2A
38	9	322	DGD	O6D-C5D-C6D-O5D
29	1	605	CLA	C2B-C3B-CAB-CBB
29	1	607	CLA	C2B-C3B-CAB-CBB
29	3	303	CLA	C2B-C3B-CAB-CBB
29	5	601	CLA	C2B-C3B-CAB-CBB
29	5	605	CLA	C2B-C3B-CAB-CBB
29	5	609	CLA	C2B-C3B-CAB-CBB
29	6	601	CLA	C2B-C3B-CAB-CBB
29	A	822	CLA	C2B-C3B-CAB-CBB
29	A	853	CLA	C2B-C3B-CAB-CBB
29	A	854	CLA	C2B-C3B-CAB-CBB
29	B	832	CLA	C2B-C3B-CAB-CBB
29	B	833	CLA	C2B-C3B-CAB-CBB
29	B	838	CLA	C2B-C3B-CAB-CBB
29	b	611	CLA	C2B-C3B-CAB-CBB
29	c	601	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
29	c	605	CLA	C2B-C3B-CAB-CBB
29	d	601	CLA	C2B-C3B-CAB-CBB
29	d	609	CLA	C2B-C3B-CAB-CBB
29	e	601	CLA	C2B-C3B-CAB-CBB
37	B	843	8CT	C02-C03-C10-C11
37	B	851	8CT	C02-C03-C10-C11
37	B	852	8CT	C02-C03-C10-C11
37	K	103	8CT	C02-C03-C10-C11
29	c	603	CLA	C8-C10-C11-C12
34	8	315	LHG	C2-C3-O3-P
29	3	313	CLA	CAA-CBA-CGA-O1A
29	A	814	CLA	CAA-CBA-CGA-O2A
29	c	613	CLA	CAA-CBA-CGA-O2A
29	e	601	CLA	CAA-CBA-CGA-O2A
34	L	206	LHG	C11-C12-C13-C14
34	8	316	LHG	C31-C32-C33-C34
31	4	614	II0	C25-C29-C31-C33
29	6	604	CLA	C11-C10-C8-C7
29	A	828	CLA	C11-C10-C8-C7
29	B	805	CLA	C11-C12-C13-C15
29	B	840	CLA	C11-C12-C13-C15
29	2	605	CLA	C11-C12-C13-C15
29	A	838	CLA	C16-C17-C18-C20
29	7	307	CLA	C2A-CAA-CBA-CGA
29	9	305	CLA	C2A-CAA-CBA-CGA
29	A	840	CLA	C2A-CAA-CBA-CGA
29	b	602	CLA	C2A-CAA-CBA-CGA
29	c	605	CLA	CAA-CBA-CGA-O2A
29	d	605	CLA	CAA-CBA-CGA-O1A
35	2	618	LMG	C30-C31-C32-C33
29	6	605	CLA	CBA-CGA-O2A-C1
29	A	814	CLA	CAA-CBA-CGA-O1A
29	B	831	CLA	C5-C6-C7-C8
29	B	814	CLA	C11-C10-C8-C7
29	A	817	CLA	C5-C6-C7-C8
37	A	847	8CT	C27-C26-C28-C29
37	I	101	8CT	C22-C21-C23-C24
29	5	603	CLA	CAA-CBA-CGA-O2A
29	5	606	CLA	CAA-CBA-CGA-O2A
29	3	308	CLA	C4-C3-C5-C6
29	B	824	CLA	C8-C10-C11-C12
29	3	308	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
29	B	824	CLA	C2-C3-C5-C6
29	d	601	CLA	O1D-CGD-O2D-CED
29	B	803	CLA	C2-C1-O2A-CGA
29	Z	302	CLA	C10-C11-C12-C13
29	c	613	CLA	CAA-CBA-CGA-O1A
29	A	825	CLA	C14-C13-C15-C16
34	4	620	LHG	C30-C31-C32-C33
29	9	309	CLA	O1D-CGD-O2D-CED
31	5	617	II0	C26-C30-C32-C34
31	J	102	II0	C26-C30-C32-C34
34	9	321	LHG	C26-C27-C28-C29
35	Z	310	LMG	C40-C41-C42-C43
36	a	618	SQD	C25-C26-C27-C28
29	5	607	CLA	CAA-CBA-CGA-O1A
29	5	604	CLA	C4-C3-C5-C6
29	A	822	CLA	C4-C3-C5-C6
29	B	824	CLA	C4-C3-C5-C6
29	d	605	CLA	CAA-CBA-CGA-O2A
34	1	619	LHG	C5-C4-O6-P
34	3	321	LHG	C5-C4-O6-P
29	6	605	CLA	O1A-CGA-O2A-C1
36	O	207	SQD	O10-C23-C24-C25
29	2	605	CLA	C8-C10-C11-C12
29	4	608	CLA	C15-C16-C17-C18
29	A	830	CLA	C8-C10-C11-C12
29	A	827	CLA	CBA-CGA-O2A-C1
34	8	316	LHG	C11-C12-C13-C14
29	A	827	CLA	O1A-CGA-O2A-C1
29	3	305	CLA	C2A-CAA-CBA-CGA
29	b	611	CLA	C2A-CAA-CBA-CGA
34	4	618	LHG	C30-C31-C32-C33
29	a	601	CLA	CAA-CBA-CGA-O1A
34	8	316	LHG	C16-C17-C18-C19
38	9	322	DGD	C4D-C5D-C6D-O5D
31	4	615	II0	C10-C22-C24-C26
31	7	301	II0	C09-C21-C23-C25
31	8	310	II0	C09-C21-C23-C25
31	9	319	II0	C09-C21-C23-C25
34	c	623	LHG	O1-C1-C2-O2
34	Z	309	LHG	O6-C4-C5-O7
29	3	309	CLA	C4-C3-C5-C6
29	6	604	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
37	M	101	8CT	C16-C17-C18-C19
29	7	306	CLA	CAA-CBA-CGA-O2A
29	B	840	CLA	CAA-CBA-CGA-O2A
29	B	807	CLA	C2-C3-C5-C6
38	9	322	DGD	C9A-CAA-CBA-CCA
29	1	612	CLA	O1D-CGD-O2D-CED
29	9	305	CLA	C4B-C3B-CAB-CBB
29	9	314	CLA	C4B-C3B-CAB-CBB
29	A	824	CLA	C4B-C3B-CAB-CBB
29	A	829	CLA	C4B-C3B-CAB-CBB
29	A	853	CLA	C4B-C3B-CAB-CBB
29	B	811	CLA	C4B-C3B-CAB-CBB
29	B	830	CLA	C4B-C3B-CAB-CBB
29	9	313	CLA	CAA-CBA-CGA-O2A
34	4	618	LHG	C27-C28-C29-C30
29	1	611	CLA	CAA-CBA-CGA-O1A
29	6	601	CLA	CAA-CBA-CGA-O1A
29	2	608	CLA	C11-C12-C13-C15
37	b	615	8CT	C19-C20-C21-C22
40	A	849	PQN	C25-C26-C27-C28
29	1	605	CLA	C2A-CAA-CBA-CGA
34	L	207	LHG	O6-C4-C5-C6
34	e	617	LHG	O6-C4-C5-C6
29	1	603	CLA	C4-C3-C5-C6
29	6	604	CLA	C2-C3-C5-C6
29	A	822	CLA	C2-C3-C5-C6
29	b	607	CLA	C3-C5-C6-C7
29	a	609	CLA	C8-C10-C11-C12
29	b	606	CLA	C15-C16-C17-C18
34	8	315	LHG	C5-C4-O6-P
34	a	617	LHG	C2-C3-O3-P
29	B	809	CLA	C12-C13-C15-C16
29	B	811	CLA	C11-C10-C8-C7
29	c	602	CLA	C6-C7-C8-C10
29	1	606	CLA	O1D-CGD-O2D-CED
29	3	302	CLA	CAA-CBA-CGA-O2A
31	4	612	II0	C26-C30-C32-C34
31	8	310	II0	C35-C39-C41-C42
31	8	311	II0	C26-C30-C32-C34
29	A	801	CLA	CAA-CBA-CGA-O2A
38	9	322	DGD	C2A-C3A-C4A-C5A
29	1	611	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
29	6	601	CLA	CAA-CBA-CGA-O2A
29	7	306	CLA	CAA-CBA-CGA-O1A
31	3	317	II0	C31-C33-C35-C39
29	A	804	CLA	C11-C10-C8-C9
29	A	830	CLA	C11-C10-C8-C9
29	A	833	CLA	C6-C7-C8-C9
29	B	805	CLA	C11-C10-C8-C9
29	b	604	CLA	C11-C10-C8-C9
29	c	602	CLA	C11-C12-C13-C14
29	c	602	CLA	C14-C13-C15-C16
29	c	606	CLA	C11-C10-C8-C9
29	d	612	CLA	C11-C12-C13-C14
34	7	319	LHG	C27-C28-C29-C30
29	9	304	CLA	CAA-CBA-CGA-O2A
29	4	604	CLA	C2A-CAA-CBA-CGA
29	A	820	CLA	C2A-CAA-CBA-CGA
29	B	831	CLA	C2A-CAA-CBA-CGA
29	3	303	CLA	C2-C1-O2A-CGA
29	A	854	CLA	C2-C1-O2A-CGA
29	c	602	CLA	C2-C1-O2A-CGA
29	d	608	CLA	C16-C17-C18-C20
29	B	803	CLA	C8-C10-C11-C12
29	2	611	CLA	C3A-C2A-CAA-CBA
29	6	607	CLA	C3A-C2A-CAA-CBA
29	9	308	CLA	C3A-C2A-CAA-CBA
29	B	813	CLA	C3A-C2A-CAA-CBA
29	Z	303	CLA	C3A-C2A-CAA-CBA
29	a	601	CLA	C3A-C2A-CAA-CBA
29	c	601	CLA	C3A-C2A-CAA-CBA
34	A	851	LHG	C7-C8-C9-C10
29	5	603	CLA	CAA-CBA-CGA-O1A
29	c	609	CLA	O1D-CGD-O2D-CED
29	9	313	CLA	CAA-CBA-CGA-O1A
29	A	837	CLA	C3-C5-C6-C7
34	4	619	LHG	C13-C14-C15-C16
29	1	613	CLA	CAA-CBA-CGA-O2A
29	B	809	CLA	CBA-CGA-O2A-C1
29	c	606	CLA	CBA-CGA-O2A-C1
29	9	309	CLA	C5-C6-C7-C8
29	B	813	CLA	C15-C16-C17-C18
29	9	304	CLA	CAA-CBA-CGA-O1A
29	A	824	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
34	2	619	LHG	C10-C11-C12-C13
29	2	602	CLA	C5-C6-C7-C8
29	B	808	CLA	CBA-CGA-O2A-C1
34	4	617	LHG	C4-C5-C6-O8
38	B	849	DGD	C1G-C2G-C3G-O3G
29	B	809	CLA	O1A-CGA-O2A-C1
29	8	317	CLA	C10-C11-C12-C13
29	9	308	CLA	C13-C15-C16-C17
29	A	804	CLA	C15-C16-C17-C18
30	4	605	KC2	C4C-C3C-CAC-CBC
29	4	607	CLA	C11-C12-C13-C14
34	5	621	LHG	C30-C31-C32-C33
29	3	306	CLA	CAA-CBA-CGA-O1A
35	2	618	LMG	C12-C13-C14-C15
29	8	305	CLA	C4-C3-C5-C6
29	A	816	CLA	C4-C3-C5-C6
29	A	808	CLA	C2A-CAA-CBA-CGA
31	4	614	II0	C26-C30-C32-C34
31	6	615	II0	C35-C39-C41-C42
31	a	614	II0	C25-C29-C31-C33
31	c	616	II0	C35-C39-C41-C42
31	d	616	II0	C25-C29-C31-C33
32	8	312	II3	C33-C36-C39-C41
37	F	203	8CT	C16-C17-C18-C19
29	B	805	CLA	C10-C11-C12-C13
29	d	602	CLA	C8-C10-C11-C12
29	e	602	CLA	C5-C6-C7-C8
29	1	613	CLA	CAA-CBA-CGA-O1A
36	a	618	SQD	C15-C16-C17-C18
29	3	302	CLA	CAA-CBA-CGA-O1A
29	B	828	CLA	C5-C6-C7-C8
29	4	610	CLA	C11-C12-C13-C14
29	A	827	CLA	C6-C7-C8-C9
29	A	839	CLA	C6-C7-C8-C9
29	B	807	CLA	C11-C12-C13-C14
29	B	839	CLA	C14-C13-C15-C16
29	8	317	CLA	C16-C17-C18-C19
29	3	308	CLA	CAA-CBA-CGA-O2A
29	4	609	CLA	CAA-CBA-CGA-O2A
34	3	321	LHG	O7-C7-C8-C9
29	a	601	CLA	CAA-CBA-CGA-O2A
31	1	616	II0	C31-C33-C35-C39

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Mol	Chain	Res	Type	Atoms
29	1	612	CLA	CBD-CGD-O2D-CED
29	8	303	CLA	C4-C3-C5-C6
29	K	101	CLA	O1A-CGA-O2A-C1
34	1	619	LHG	O7-C7-C8-C9
34	4	617	LHG	C33-C34-C35-C36
29	3	313	CLA	CBD-CGD-O2D-CED
29	3	304	CLA	C6-C7-C8-C10
29	6	602	CLA	C11-C12-C13-C15
29	A	826	CLA	C6-C7-C8-C10
29	A	833	CLA	C6-C7-C8-C10
29	B	805	CLA	C6-C7-C8-C10
29	B	805	CLA	C11-C10-C8-C7
29	B	819	CLA	C11-C10-C8-C7
29	B	826	CLA	C11-C10-C8-C7
29	b	604	CLA	C11-C10-C8-C7
29	b	606	CLA	C11-C10-C8-C7
29	c	606	CLA	C11-C10-C8-C7
29	c	607	CLA	C12-C13-C15-C16
29	e	611	CLA	C12-C13-C15-C16
29	3	309	CLA	C3-C5-C6-C7
29	6	606	CLA	C2B-C3B-CAB-CBB
29	8	307	CLA	C2B-C3B-CAB-CBB
29	9	305	CLA	C2B-C3B-CAB-CBB
29	A	811	CLA	C2B-C3B-CAB-CBB
29	A	818	CLA	C2B-C3B-CAB-CBB
29	A	843	CLA	C2B-C3B-CAB-CBB
29	B	811	CLA	C2B-C3B-CAB-CBB
29	B	830	CLA	C2B-C3B-CAB-CBB
37	A	845	8CT	C02-C03-C10-C11
37	A	847	8CT	C02-C03-C10-C11
37	K	103	8CT	C04-C03-C10-C11
37	R	203	8CT	C02-C03-C10-C11
29	2	605	CLA	CAA-CBA-CGA-O2A
34	1	619	LHG	C11-C10-C9-C8
29	4	601	CLA	C2-C1-O2A-CGA
29	A	811	CLA	C2-C1-O2A-CGA
29	A	855	CLA	C2-C1-O2A-CGA
29	B	806	CLA	C2-C1-O2A-CGA
29	d	602	CLA	C2-C1-O2A-CGA
29	8	303	CLA	CAA-CBA-CGA-O2A
29	A	854	CLA	CAA-CBA-CGA-O2A
34	A	851	LHG	C14-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
35	3	319	LMG	C29-C30-C31-C32
29	R	202	CLA	CBA-CGA-O2A-C1
29	A	843	CLA	C4-C3-C5-C6
29	c	606	CLA	C3-C5-C6-C7
29	A	839	CLA	CAA-CBA-CGA-O2A
29	8	303	CLA	C2-C3-C5-C6
34	M	102	LHG	C24-C25-C26-C27
34	4	620	LHG	C34-C35-C36-C37
29	7	303	CLA	C2A-CAA-CBA-CGA
29	a	604	CLA	C2A-CAA-CBA-CGA
29	d	604	CLA	C2A-CAA-CBA-CGA
34	A	850	LHG	C11-C10-C9-C8
29	1	607	CLA	CAA-CBA-CGA-O2A
29	O	201	CLA	CAA-CBA-CGA-O2A
29	B	808	CLA	C13-C15-C16-C17
29	e	606	CLA	C8-C10-C11-C12
34	O	208	LHG	C11-C10-C9-C8
29	e	603	CLA	CAA-CBA-CGA-O2A
34	7	320	LHG	O7-C7-C8-C9
34	A	852	LHG	O7-C7-C8-C9
29	c	606	CLA	O1A-CGA-O2A-C1
36	B	850	SQD	C4-C5-C6-S
36	a	618	SQD	C4-C5-C6-S
35	Z	310	LMG	C32-C33-C34-C35
29	A	838	CLA	C4-C3-C5-C6
29	B	808	CLA	C4-C3-C5-C6
34	L	207	LHG	C23-C24-C25-C26
35	2	618	LMG	C28-C29-C30-C31
34	4	620	LHG	C11-C10-C9-C8
29	A	821	CLA	C2-C3-C5-C6
29	B	831	CLA	C2-C3-C5-C6
34	4	619	LHG	C17-C18-C19-C20
29	A	806	CLA	O1D-CGD-O2D-CED
34	4	619	LHG	C30-C31-C32-C33
29	B	828	CLA	C10-C11-C12-C13
31	4	615	II0	C09-C21-C23-C25
29	1	608	CLA	C6-C7-C8-C9
29	4	608	CLA	C14-C13-C15-C16
29	4	611	CLA	C14-C13-C15-C16
29	6	602	CLA	C11-C10-C8-C9
29	8	317	CLA	C14-C13-C15-C16
29	B	805	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
29	B	811	CLA	C11-C10-C8-C9
29	B	840	CLA	C11-C12-C13-C14
29	b	606	CLA	C11-C12-C13-C14
29	c	603	CLA	C11-C10-C8-C9
29	c	606	CLA	C15-C16-C17-C18
37	7	318	8CT	C10-C11-C12-C40
29	A	804	CLA	CAA-CBA-CGA-O2A
29	B	822	CLA	CAA-CBA-CGA-O2A
35	2	618	LMG	C14-C15-C16-C17
34	2	619	LHG	C4-C5-C6-O8
29	d	608	CLA	C16-C17-C18-C19
29	A	838	CLA	C8-C10-C11-C12
29	1	606	CLA	C4B-C3B-CAB-CBB
29	2	601	CLA	C4B-C3B-CAB-CBB
29	2	607	CLA	C1A-C2A-CAA-CBA
29	3	306	CLA	C1A-C2A-CAA-CBA
29	3	313	CLA	C4B-C3B-CAB-CBB
29	6	605	CLA	C1A-C2A-CAA-CBA
29	6	605	CLA	C4B-C3B-CAB-CBB
29	6	607	CLA	C1A-C2A-CAA-CBA
29	6	607	CLA	C4B-C3B-CAB-CBB
29	7	304	CLA	C1A-C2A-CAA-CBA
29	8	303	CLA	C1A-C2A-CAA-CBA
29	8	307	CLA	C4B-C3B-CAB-CBB
29	A	803	CLA	C1A-C2A-CAA-CBA
29	A	809	CLA	C4B-C3B-CAB-CBB
29	A	811	CLA	C1A-C2A-CAA-CBA
29	A	822	CLA	C4B-C3B-CAB-CBB
29	B	825	CLA	C1A-C2A-CAA-CBA
29	B	826	CLA	C1A-C2A-CAA-CBA
29	B	831	CLA	C1A-C2A-CAA-CBA
29	B	839	CLA	C4B-C3B-CAB-CBB
29	L	201	CLA	C4B-C3B-CAB-CBB
29	a	605	CLA	C4B-C3B-CAB-CBB
29	c	607	CLA	C4B-C3B-CAB-CBB
29	c	612	CLA	C1A-C2A-CAA-CBA
29	A	853	CLA	CAA-CBA-CGA-O1A
29	A	853	CLA	CAA-CBA-CGA-O2A
29	Z	303	CLA	CAA-CBA-CGA-O2A
29	e	604	CLA	CAA-CBA-CGA-O2A
34	M	102	LHG	O7-C5-C6-O8
34	Z	311	LHG	O7-C5-C6-O8

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Mol	Chain	Res	Type	Atoms
31	2	615	II0	C31-C33-C35-C39
31	3	316	II0	C32-C34-C36-C40
31	4	615	II0	C31-C33-C35-C39
31	e	615	II0	C32-C34-C36-C40
37	4	616	8CT	C14-C15-C16-C17
37	7	318	8CT	C10-C11-C12-C13
37	A	847	8CT	C25-C26-C28-C29
37	B	852	8CT	C10-C11-C12-C13
37	B	852	8CT	C14-C15-C16-C17
37	I	101	8CT	C20-C21-C23-C24
31	8	313	II0	C25-C29-C31-C33
33	6	616	IHT	C23-C27-C30-C32
37	B	846	8CT	C12-C13-C14-C15
29	B	825	CLA	C10-C11-C12-C13
34	8	315	LHG	C29-C30-C31-C32
29	A	822	CLA	CBA-CGA-O2A-C1
29	B	809	CLA	CAA-CBA-CGA-O2A
29	1	602	CLA	C2A-CAA-CBA-CGA
29	B	810	CLA	C13-C15-C16-C17
34	4	617	LHG	C16-C17-C18-C19
29	A	836	CLA	C3-C5-C6-C7
36	B	850	SQD	C23-C24-C25-C26
29	6	607	CLA	C6-C7-C8-C10
34	J	101	LHG	O7-C7-C8-C9
34	B	801	LHG	C25-C26-C27-C28
34	J	101	LHG	C13-C14-C15-C16
29	1	601	CLA	CAA-CBA-CGA-O2A
29	9	303	CLA	C4-C3-C5-C6
29	5	608	CLA	C2-C1-O2A-CGA
29	A	817	CLA	C2-C1-O2A-CGA
29	Z	305	CLA	C2-C1-O2A-CGA
29	d	607	CLA	C2-C1-O2A-CGA
29	d	611	CLA	C2-C1-O2A-CGA
29	e	611	CLA	C2-C1-O2A-CGA
29	A	816	CLA	C11-C10-C8-C7
29	A	827	CLA	C6-C7-C8-C10
29	B	806	CLA	C12-C13-C15-C16
29	B	808	CLA	C12-C13-C15-C16
29	B	810	CLA	C11-C12-C13-C15
29	B	820	CLA	C11-C10-C8-C7
29	B	823	CLA	C12-C13-C15-C16
29	B	824	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
29	B	824	CLA	C12-C13-C15-C16
29	c	602	CLA	C11-C12-C13-C15
29	8	308	CLA	C10-C11-C12-C13
29	1	607	CLA	CAA-CBA-CGA-O1A
29	1	612	CLA	C11-C12-C13-C15
29	B	828	CLA	C16-C17-C18-C19
34	3	301	LHG	C9-C10-C11-C12
29	b	608	CLA	C5-C6-C7-C8
29	4	603	CLA	C5-C6-C7-C8
29	4	608	CLA	CBA-CGA-O2A-C1
29	6	602	CLA	C2A-CAA-CBA-CGA
29	A	839	CLA	CAA-CBA-CGA-O1A
29	R	202	CLA	O1A-CGA-O2A-C1
29	8	301	CLA	CAA-CBA-CGA-O1A
29	8	306	CLA	CAA-CBA-CGA-O1A
29	2	612	CLA	C3A-C2A-CAA-CBA
29	8	303	CLA	C3A-C2A-CAA-CBA
29	A	834	CLA	C3A-C2A-CAA-CBA
29	R	202	CLA	C3A-C2A-CAA-CBA
29	Z	305	CLA	C3A-C2A-CAA-CBA
29	c	615	CLA	C4-C3-C5-C6
29	A	854	CLA	CAA-CBA-CGA-O1A
29	A	825	CLA	O1A-CGA-O2A-C1
29	A	821	CLA	C6-C7-C8-C9
29	5	604	CLA	CAA-CBA-CGA-O2A
29	5	612	CLA	CAA-CBA-CGA-O2A
29	d	601	CLA	CAA-CBA-CGA-O1A
29	O	201	CLA	CAA-CBA-CGA-O1A
29	A	822	CLA	CBD-CGD-O2D-CED
29	1	606	CLA	C2A-CAA-CBA-CGA
29	A	811	CLA	C2A-CAA-CBA-CGA
29	K	101	CLA	CBA-CGA-O2A-C1
29	B	810	CLA	C11-C12-C13-C14
29	c	603	CLA	C11-C12-C13-C14
29	3	308	CLA	CAA-CBA-CGA-O1A
31	5	615	II0	C36-C40-C42-C41
35	X	302	LMG	C29-C30-C31-C32
30	3	307	KC2	C1A-C2A-CAA-CBA
30	5	610	KC2	C3A-C2A-CAA-CBA
30	a	610	KC2	C3A-C2A-CAA-CBA
30	b	605	KC2	C1A-C2A-CAA-CBA
30	c	610	KC2	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
30	c	610	KC2	C3A-C2A-CAA-CBA
30	c	611	KC2	C3A-C2A-CAA-CBA
36	3	322	SQD	O5-C5-C6-S
37	4	616	8CT	C28-C29-C30-C35
29	4	608	CLA	O1A-CGA-O2A-C1
29	A	822	CLA	O1A-CGA-O2A-C1
29	B	806	CLA	C10-C11-C12-C13
34	2	617	LHG	O1-C1-C2-O2
29	3	313	CLA	O1D-CGD-O2D-CED
29	K	101	CLA	CAA-CBA-CGA-O2A
29	1	612	CLA	C8-C10-C11-C12
29	A	825	CLA	CBA-CGA-O2A-C1
29	4	609	CLA	CAA-CBA-CGA-O1A
29	8	303	CLA	CAA-CBA-CGA-O1A
29	B	805	CLA	CAA-CBA-CGA-O1A
34	L	207	LHG	O9-C7-C8-C9
38	9	322	DGD	O1B-C1B-C2B-C3B
29	A	802	CLA	C5-C6-C7-C8
29	A	840	CLA	C5-C6-C7-C8
35	3	319	LMG	C8-C7-O1-C1
29	e	604	CLA	CAA-CBA-CGA-O1A
34	3	321	LHG	O9-C7-C8-C9
34	Z	311	LHG	O10-C23-C24-C25
29	1	603	CLA	C2A-CAA-CBA-CGA
29	8	308	CLA	C2A-CAA-CBA-CGA
29	A	814	CLA	C2A-CAA-CBA-CGA
29	B	818	CLA	C2A-CAA-CBA-CGA
29	5	605	CLA	CAA-CBA-CGA-O2A
29	6	612	CLA	CAA-CBA-CGA-O2A
29	B	822	CLA	CAA-CBA-CGA-O1A
29	Z	303	CLA	CAA-CBA-CGA-O1A
34	J	101	LHG	O9-C7-C8-C9
29	A	837	CLA	C13-C15-C16-C17
29	c	603	CLA	C5-C6-C7-C8
29	O	204	CLA	CAA-CBA-CGA-O2A
29	1	601	CLA	CAA-CBA-CGA-O1A
31	a	619	II0	C26-C30-C32-C34
31	c	617	II0	C26-C30-C32-C34
37	M	101	8CT	C23-C24-C25-C26
29	A	804	CLA	CAA-CBA-CGA-O1A
29	e	603	CLA	CAA-CBA-CGA-O1A
34	A	850	LHG	O10-C23-C24-C25

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Mol	Chain	Res	Type	Atoms
29	1	606	CLA	CBD-CGD-O2D-CED
29	2	604	CLA	CAD-CBD-CGD-O2D
29	2	608	CLA	CAD-CBD-CGD-O2D
29	4	607	CLA	CAD-CBD-CGD-O2D
29	B	807	CLA	CAD-CBD-CGD-O2D
29	B	816	CLA	CAD-CBD-CGD-O2D
29	B	822	CLA	CAD-CBD-CGD-O2D
29	Z	305	CLA	CAD-CBD-CGD-O2D
29	a	601	CLA	CAD-CBD-CGD-O2D
29	b	603	CLA	CAD-CBD-CGD-O2D
29	c	602	CLA	CAD-CBD-CGD-O2D
34	3	321	LHG	C26-C27-C28-C29
34	Z	309	LHG	C13-C14-C15-C16
29	B	809	CLA	CAA-CBA-CGA-O1A
29	9	308	CLA	C10-C11-C12-C13
37	7	318	8CT	C03-C10-C11-C12
29	1	603	CLA	C2-C1-O2A-CGA
29	A	824	CLA	C2-C1-O2A-CGA
29	B	820	CLA	C2-C1-O2A-CGA
29	a	607	CLA	C2-C1-O2A-CGA
34	c	622	LHG	O10-C23-C24-C25
29	a	605	CLA	CAA-CBA-CGA-O2A
29	8	303	CLA	C2A-CAA-CBA-CGA
29	b	606	CLA	C2A-CAA-CBA-CGA
36	3	322	SQD	C11-C10-C9-C8
34	8	316	LHG	C35-C36-C37-C38
34	B	801	LHG	O9-C7-C8-C9
29	A	828	CLA	C8-C10-C11-C12
29	B	810	CLA	C15-C16-C17-C18
29	b	604	CLA	C5-C6-C7-C8
29	A	807	CLA	CAA-CBA-CGA-O2A
29	B	836	CLA	CAA-CBA-CGA-O2A
34	e	617	LHG	O7-C7-C8-C9
29	6	606	CLA	C5-C6-C7-C8
29	5	604	CLA	CAA-CBA-CGA-O1A
29	A	807	CLA	CAA-CBA-CGA-O1A
29	B	810	CLA	O1D-CGD-O2D-CED
29	9	305	CLA	CAA-CBA-CGA-O2A
29	B	806	CLA	CAA-CBA-CGA-O2A
29	e	611	CLA	CAA-CBA-CGA-O2A
29	9	307	CLA	C8-C10-C11-C12
29	8	301	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
34	7	320	LHG	O9-C7-C8-C9

There are no ring outliers.

297 monomers are involved in 691 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
29	2	603	CLA	2	0
29	A	819	CLA	5	0
29	A	842	CLA	6	0
29	8	306	CLA	2	0
29	2	607	CLA	1	0
29	L	203	CLA	4	0
29	1	609	CLA	2	0
29	c	608	CLA	2	0
29	b	602	CLA	3	0
33	a	616	IHT	1	0
29	B	818	CLA	3	0
29	B	836	CLA	3	0
36	7	321	SQD	2	0
29	5	605	CLA	2	0
29	B	819	CLA	1	0
29	A	825	CLA	7	0
32	b	613	II3	1	0
34	L	206	LHG	1	0
29	5	601	CLA	2	0
29	B	821	CLA	3	0
30	3	307	KC2	1	0
29	B	841	CLA	3	0
29	A	854	CLA	9	0
29	d	608	CLA	2	0
29	3	303	CLA	2	0
29	A	853	CLA	5	0
34	A	852	LHG	1	0
29	4	606	CLA	2	0
29	B	837	CLA	7	0
29	d	602	CLA	4	0
29	5	612	CLA	2	0
29	A	812	CLA	7	0
29	6	604	CLA	1	0
29	9	305	CLA	2	0
29	7	312	CLA	4	0
30	b	609	KC2	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
29	B	808	CLA	5	0
34	e	617	LHG	1	0
29	Z	302	CLA	4	0
29	A	817	CLA	5	0
29	d	604	CLA	2	0
29	A	810	CLA	4	0
31	c	621	II0	1	0
29	a	603	CLA	1	0
29	B	811	CLA	4	0
31	R	204	II0	2	0
29	4	607	CLA	1	0
29	c	602	CLA	5	0
29	A	835	CLA	4	0
29	1	603	CLA	3	0
36	a	618	SQD	3	0
29	R	202	CLA	3	0
33	L	204	IHT	1	0
29	A	804	CLA	5	0
29	2	608	CLA	2	0
29	e	606	CLA	3	0
29	4	610	CLA	4	0
29	1	607	CLA	1	0
29	A	838	CLA	6	0
29	9	310	CLA	4	0
29	5	606	CLA	2	0
40	A	849	PQN	5	0
36	9	301	SQD	1	0
29	3	306	CLA	1	0
29	8	302	CLA	5	0
29	B	829	CLA	6	0
29	A	836	CLA	5	0
34	8	316	LHG	1	0
29	A	823	CLA	1	0
38	9	322	DGD	1	0
34	4	618	LHG	6	0
29	b	604	CLA	1	0
29	5	613	CLA	1	0
34	c	623	LHG	2	0
29	B	804	CLA	1	0
29	4	609	CLA	1	0
29	8	303	CLA	2	0
29	d	612	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
34	M	102	LHG	2	0
29	B	817	CLA	10	0
29	F	201	CLA	2	0
29	9	309	CLA	4	0
29	B	806	CLA	4	0
29	d	605	CLA	2	0
29	A	806	CLA	2	0
34	L	208	LHG	1	0
29	b	601	CLA	2	0
29	8	317	CLA	4	0
29	A	814	CLA	1	0
29	B	816	CLA	5	0
29	A	820	CLA	4	0
29	6	612	CLA	1	0
29	c	612	CLA	4	0
32	8	312	II3	2	0
29	6	602	CLA	4	0
34	L	207	LHG	2	0
29	8	304	CLA	6	0
29	b	603	CLA	2	0
29	d	603	CLA	2	0
29	8	305	CLA	1	0
29	c	604	CLA	1	0
29	8	307	CLA	2	0
29	A	809	CLA	5	0
29	d	607	CLA	2	0
29	9	313	CLA	3	0
29	B	814	CLA	8	0
29	A	840	CLA	5	0
34	2	619	LHG	1	0
29	4	608	CLA	5	0
29	b	608	CLA	3	0
29	6	608	CLA	1	0
29	7	304	CLA	4	0
29	7	309	CLA	1	0
29	A	824	CLA	4	0
36	3	322	SQD	1	0
29	B	803	CLA	4	0
30	c	611	KC2	1	0
29	A	843	CLA	8	0
34	Z	309	LHG	2	0
34	9	321	LHG	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
34	7	319	LHG	2	0
39	C	102	SF4	1	0
31	1	614	II0	1	0
29	b	606	CLA	4	0
29	A	821	CLA	3	0
29	d	606	CLA	1	0
34	J	101	LHG	2	0
29	c	607	CLA	6	0
34	3	321	LHG	2	0
29	1	606	CLA	1	0
29	8	308	CLA	4	0
38	B	849	DGD	4	0
29	3	310	CLA	4	0
29	B	840	CLA	5	0
29	B	828	CLA	1	0
29	A	828	CLA	4	0
30	1	610	KC2	1	0
29	5	607	CLA	2	0
29	B	832	CLA	5	0
29	c	601	CLA	1	0
29	A	827	CLA	3	0
29	3	302	CLA	2	0
29	2	605	CLA	2	0
30	Z	306	KC2	1	0
31	5	615	II0	1	0
29	6	606	CLA	3	0
29	1	605	CLA	2	0
29	a	604	CLA	2	0
29	a	607	CLA	3	0
29	7	308	CLA	5	0
29	Z	304	CLA	1	0
29	a	605	CLA	2	0
29	A	813	CLA	1	0
29	8	301	CLA	1	0
29	3	311	CLA	2	0
34	5	621	LHG	4	0
29	A	829	CLA	4	0
36	B	850	SQD	1	0
29	A	803	CLA	5	0
34	7	320	LHG	3	0
29	c	615	CLA	1	0
29	B	827	CLA	8	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
29	O	201	CLA	2	0
29	B	809	CLA	4	0
29	3	304	CLA	1	0
37	M	101	8CT	1	0
29	3	312	CLA	1	0
29	2	602	CLA	2	0
29	4	611	CLA	7	0
29	e	602	CLA	5	0
29	A	831	CLA	4	0
29	B	807	CLA	2	0
29	4	603	CLA	2	0
35	8	314	LMG	2	0
29	1	608	CLA	1	0
29	2	604	CLA	2	0
29	4	601	CLA	2	0
29	L	201	CLA	3	0
29	A	808	CLA	4	0
29	e	604	CLA	2	0
37	7	318	8CT	1	0
29	9	303	CLA	4	0
29	e	607	CLA	1	0
29	6	601	CLA	2	0
34	4	619	LHG	2	0
29	A	805	CLA	2	0
29	B	815	CLA	3	0
35	Z	310	LMG	1	0
29	a	612	CLA	5	0
29	A	811	CLA	4	0
29	B	802	CLA	3	0
29	B	826	CLA	4	0
29	d	601	CLA	2	0
37	F	203	8CT	1	0
29	e	611	CLA	5	0
35	3	319	LMG	2	0
29	O	202	CLA	2	0
29	B	805	CLA	2	0
34	A	851	LHG	2	0
31	c	616	II0	1	0
29	1	612	CLA	1	0
29	B	834	CLA	3	0
35	X	302	LMG	3	0
29	A	833	CLA	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
34	4	617	LHG	5	0
29	A	855	CLA	1	0
29	4	602	CLA	1	0
37	B	852	8CT	1	0
29	5	602	CLA	2	0
34	3	301	LHG	2	0
29	b	610	CLA	1	0
29	a	611	CLA	1	0
29	Z	305	CLA	3	0
29	B	838	CLA	1	0
29	5	603	CLA	3	0
36	3	320	SQD	2	0
29	7	311	CLA	1	0
29	A	822	CLA	4	0
29	4	604	CLA	1	0
34	a	617	LHG	1	0
29	A	830	CLA	3	0
35	F	204	LMG	3	0
29	B	824	CLA	8	0
29	1	611	CLA	1	0
29	A	832	CLA	4	0
29	A	837	CLA	6	0
29	F	202	CLA	1	0
40	B	842	PQN	2	0
29	c	606	CLA	3	0
29	c	603	CLA	4	0
32	e	613	II3	2	0
29	5	604	CLA	5	0
31	2	613	II0	1	0
34	A	850	LHG	2	0
29	A	807	CLA	3	0
29	A	841	CLA	5	0
29	B	822	CLA	6	0
29	Z	303	CLA	1	0
29	c	605	CLA	1	0
29	3	308	CLA	8	0
29	B	823	CLA	5	0
29	b	611	CLA	4	0
31	6	614	II0	1	0
29	1	604	CLA	2	0
29	a	606	CLA	2	0
29	2	612	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
33	c	620	IHT	1	0
29	6	607	CLA	4	0
29	3	313	CLA	2	0
29	e	608	CLA	1	0
29	9	314	CLA	1	0
29	K	102	CLA	4	0
30	7	310	KC2	1	0
29	A	802	CLA	3	0
29	L	202	CLA	3	0
31	7	314	II0	1	0
29	A	826	CLA	6	0
29	9	312	CLA	1	0
37	4	616	8CT	1	0
29	1	601	CLA	3	0
29	B	820	CLA	4	0
29	a	601	CLA	3	0
29	A	818	CLA	5	0
29	B	831	CLA	3	0
29	6	603	CLA	1	0
29	B	825	CLA	2	0
31	d	615	II0	1	0
30	6	613	KC2	1	0
29	B	810	CLA	11	0
29	9	307	CLA	4	0
34	4	620	LHG	2	0
29	7	307	CLA	4	0
29	5	611	CLA	3	0
37	B	851	8CT	1	0
37	B	844	8CT	1	0
29	O	204	CLA	1	0
29	A	815	CLA	6	0
34	1	619	LHG	2	0
29	a	602	CLA	2	0
29	B	839	CLA	4	0
29	9	304	CLA	3	0
29	A	839	CLA	3	0
29	3	309	CLA	2	0
29	6	609	CLA	3	0
29	A	834	CLA	2	0
29	X	301	CLA	2	0
29	A	801	CLA	2	0
29	3	305	CLA	1	0

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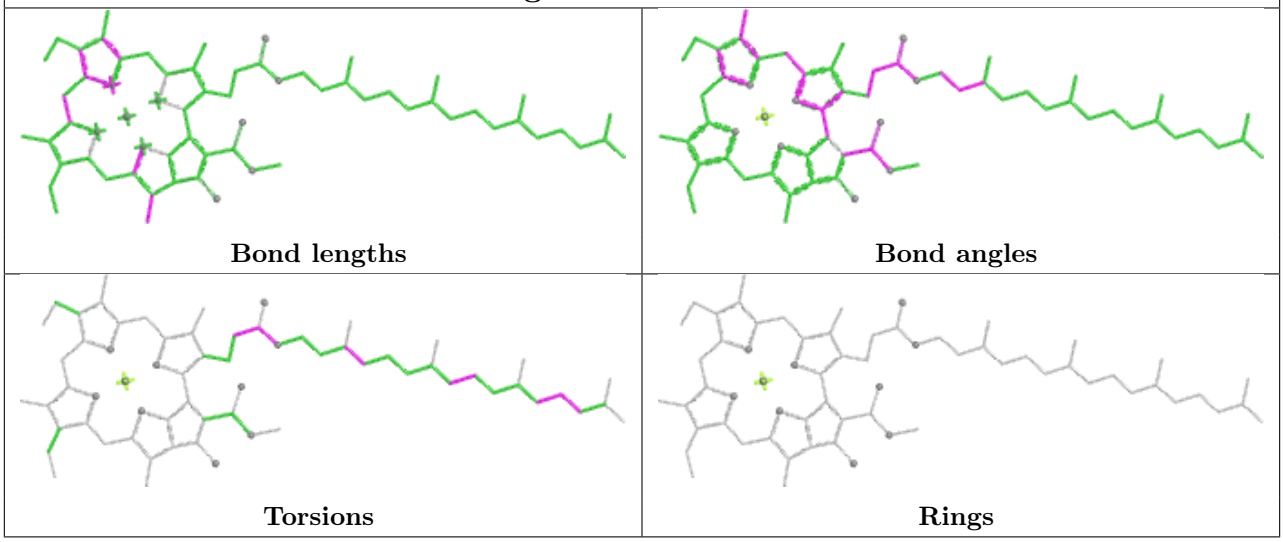
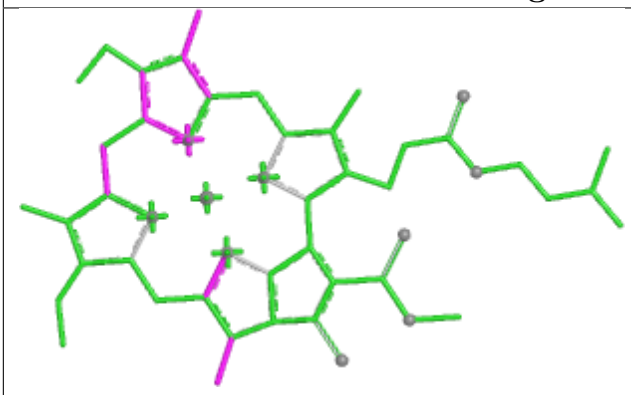
Mol	Chain	Res	Type	Clashes	Symm-Clashes
29	2	606	CLA	4	0
29	5	608	CLA	2	0
29	9	308	CLA	9	0
34	B	801	LHG	3	0
29	B	813	CLA	4	0
29	7	303	CLA	1	0
35	2	618	LMG	3	0
29	9	302	CLA	2	0
29	A	816	CLA	6	0

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less then 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

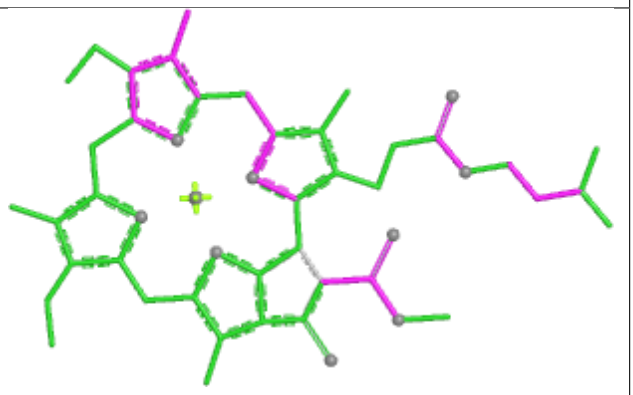
Ligand CLA K 101



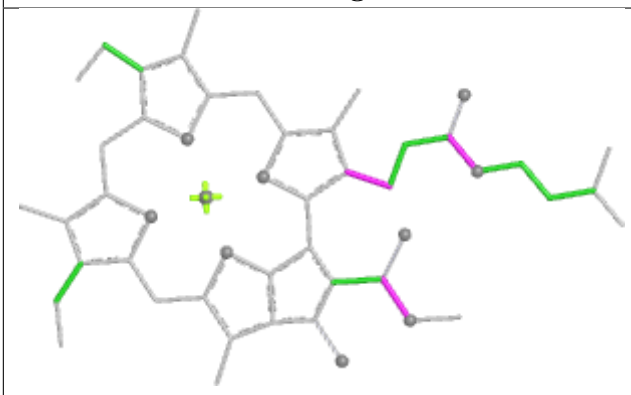
Ligand CLA 2 603



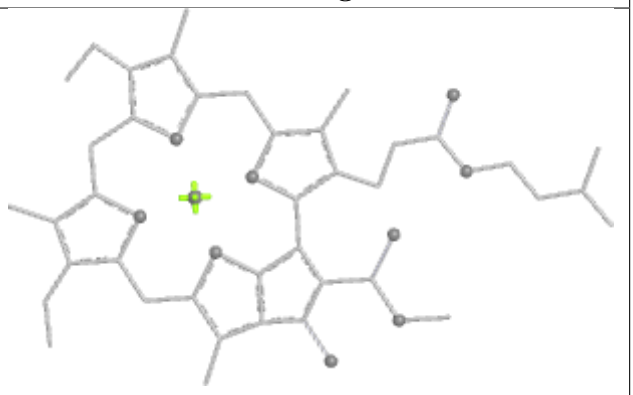
Bond lengths



Bond angles

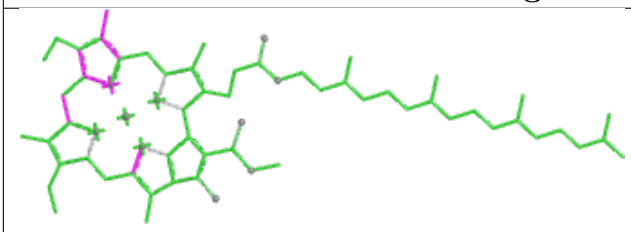


Torsions

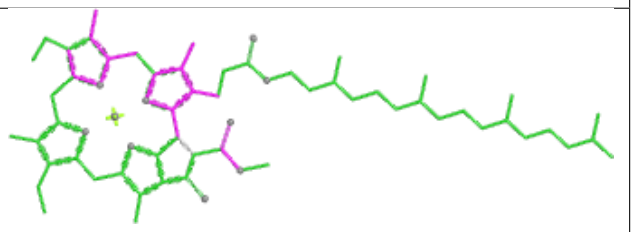


Rings

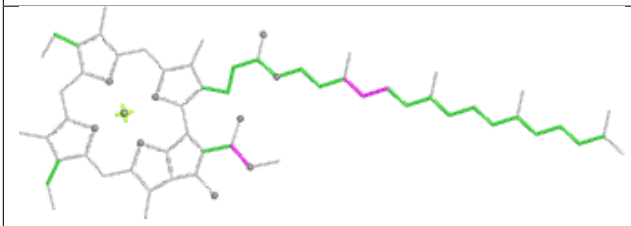
Ligand CLA A 819



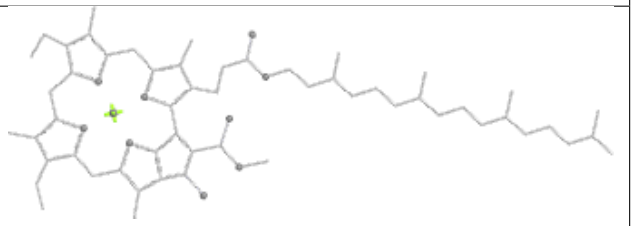
Bond lengths



Bond angles

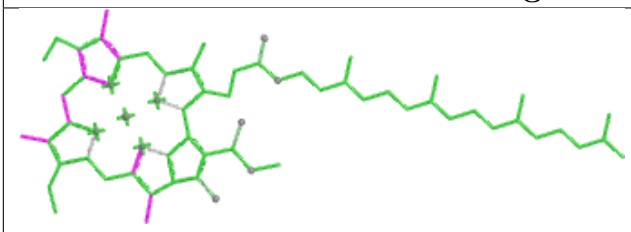


Torsions

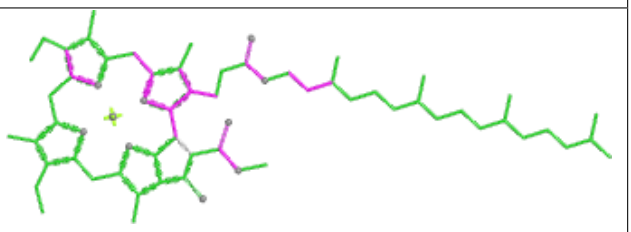


Rings

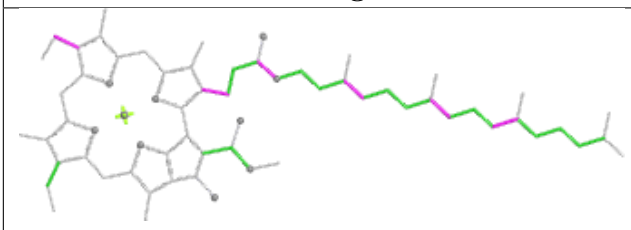
Ligand CLA A 842



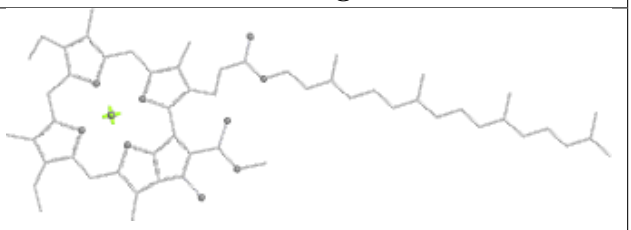
Bond lengths



Bond angles

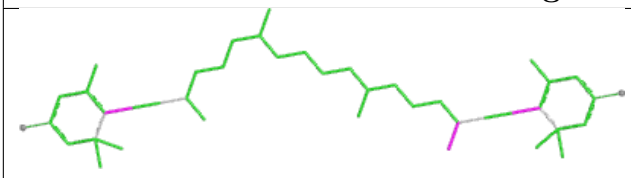


Torsions



Rings

Ligand II0 9 323



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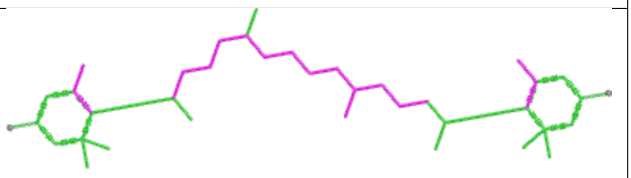
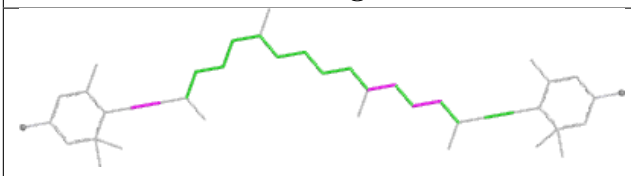


Bond angles



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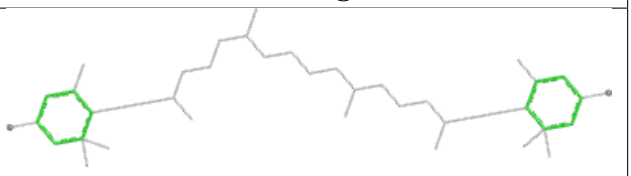
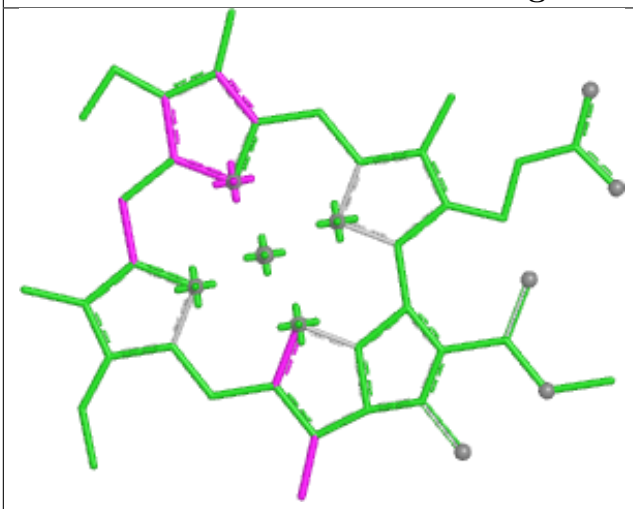


Rings

Ligand CLA 8 306



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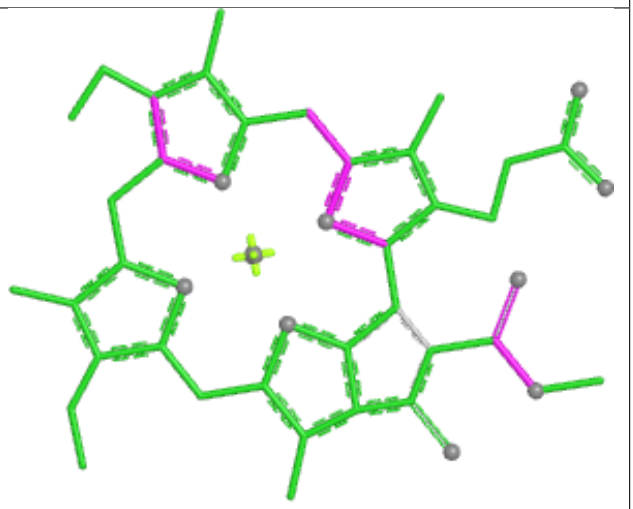
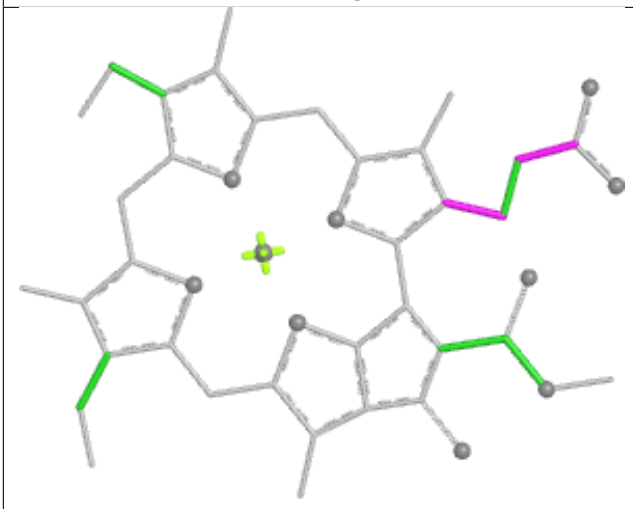


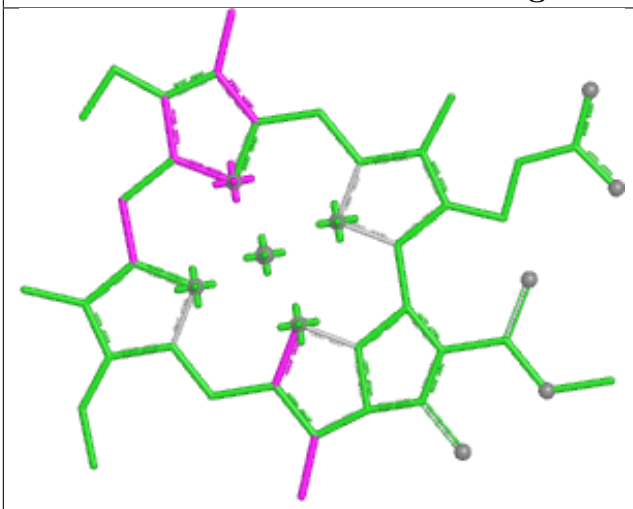
Bond angles



Torsions

Rings

Ligand CLA 2 607



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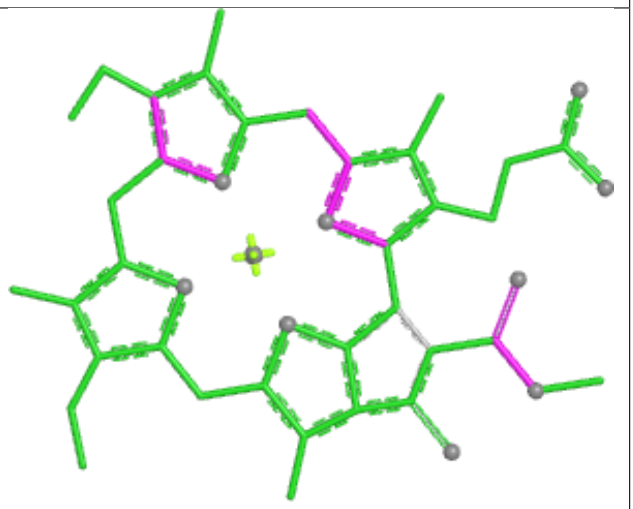
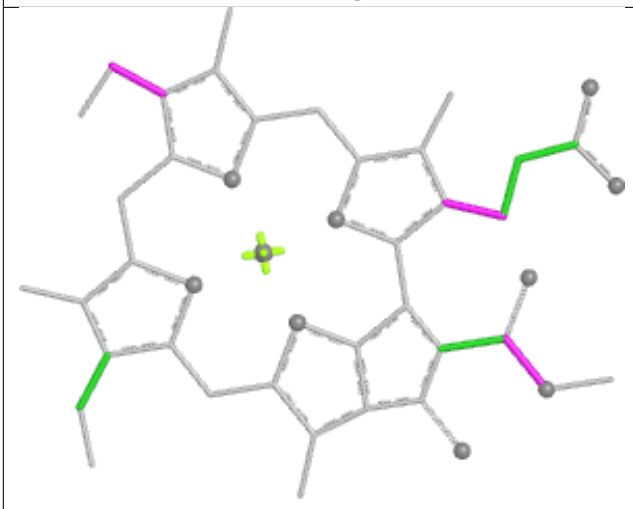


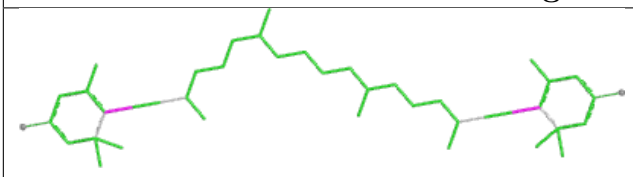
Bond angles



Torsions

Rings

Ligand II0 4 615



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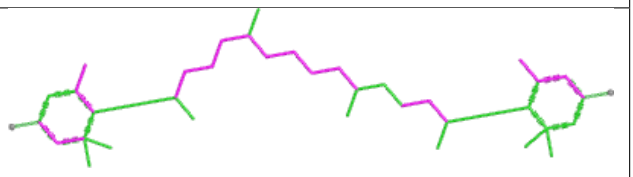
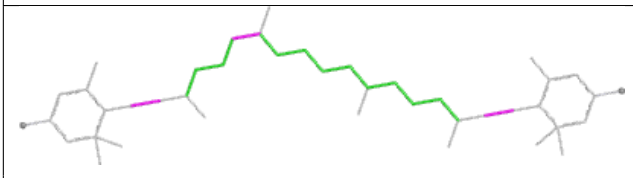
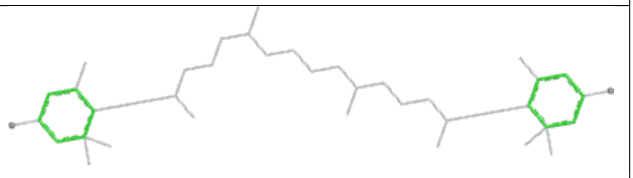


Bond angles

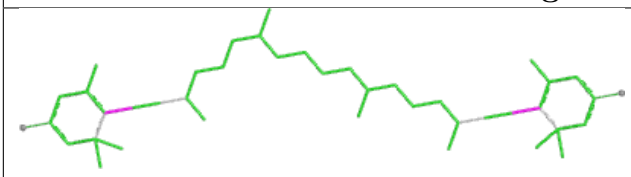


Torsions

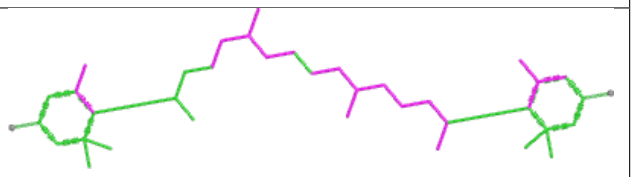


Rings

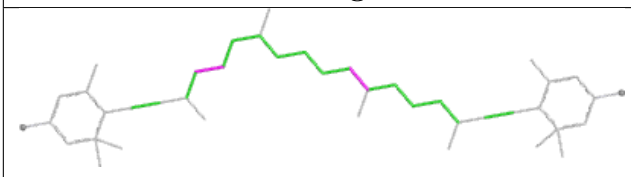
Ligand II0 d 616



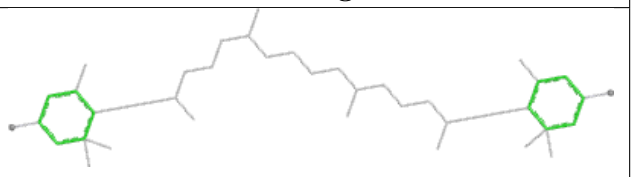
Bond lengths



Bond angles

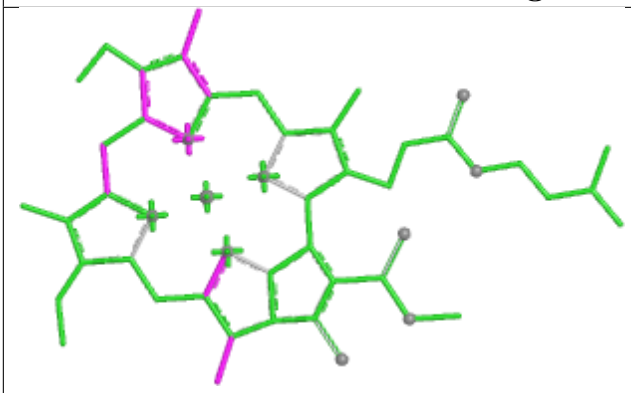


Torsions



Rings

Ligand CLA L 203



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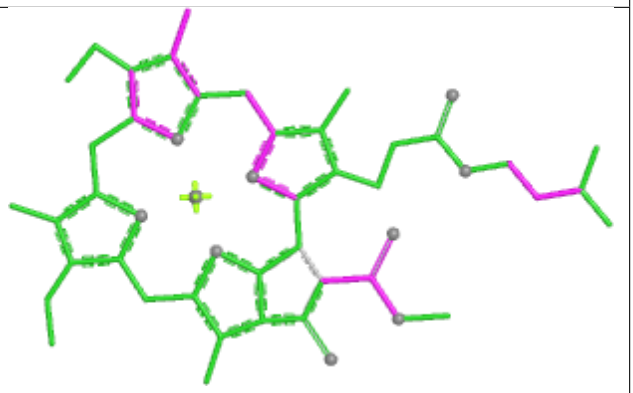
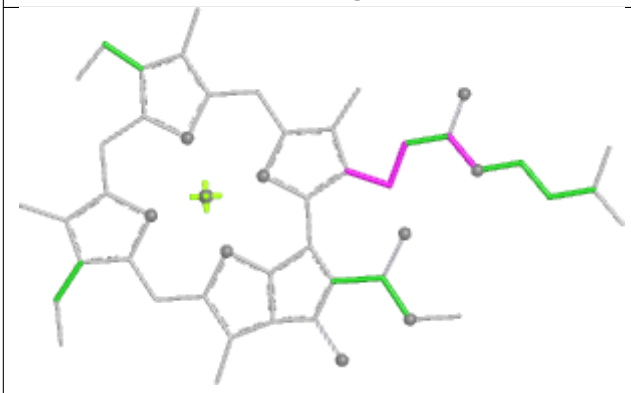
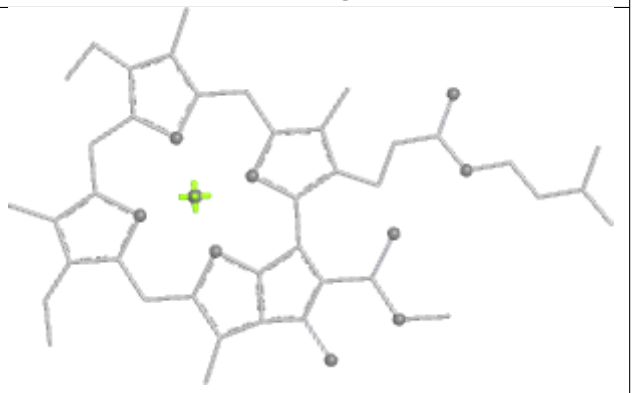


Bond angles

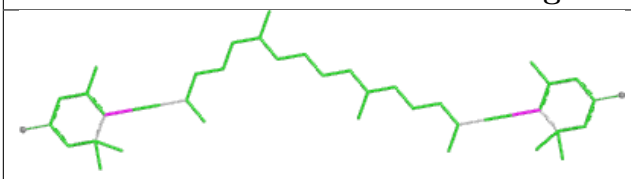


Torsions

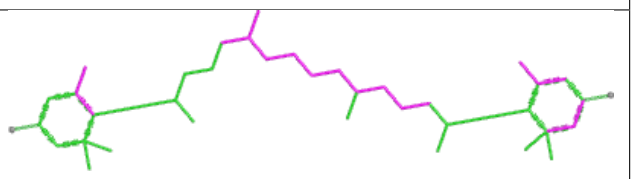


Rings

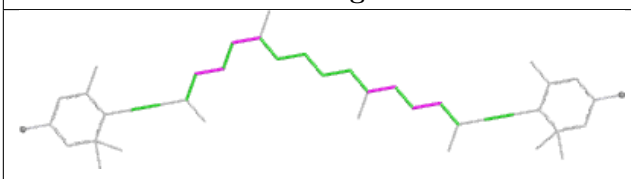
Ligand II0 e 612



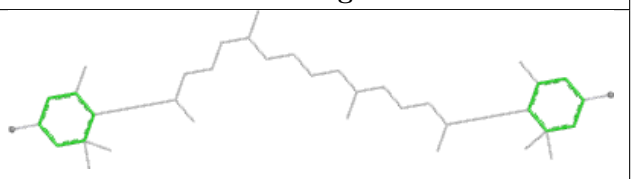
Bond lengths



Bond angles

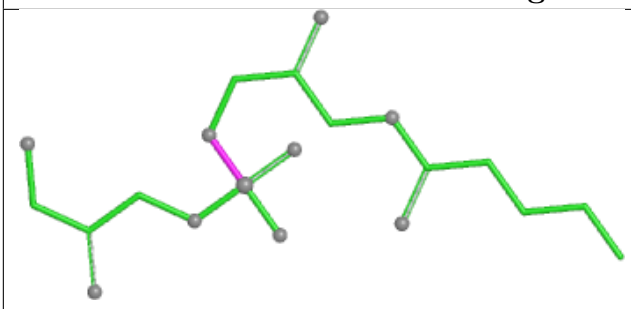


Torsions



Rings

Ligand LHG c 622



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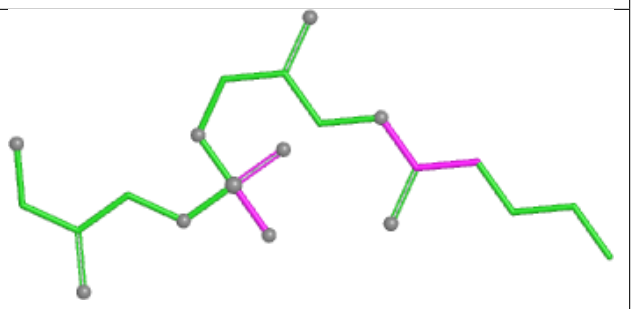
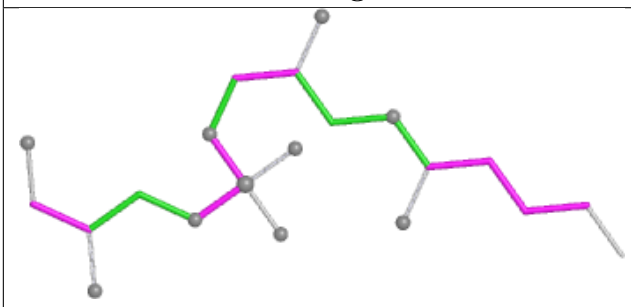
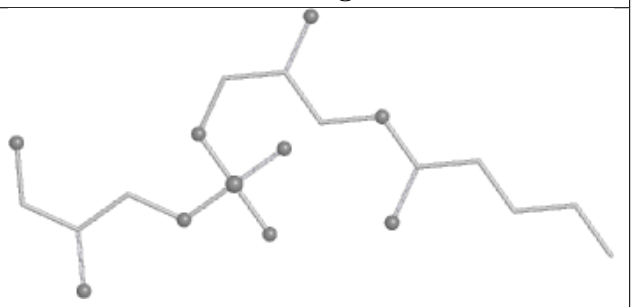


Bond angles

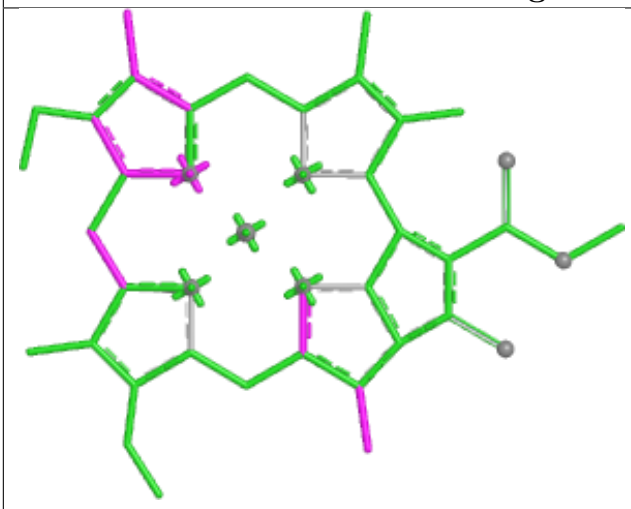


Torsions

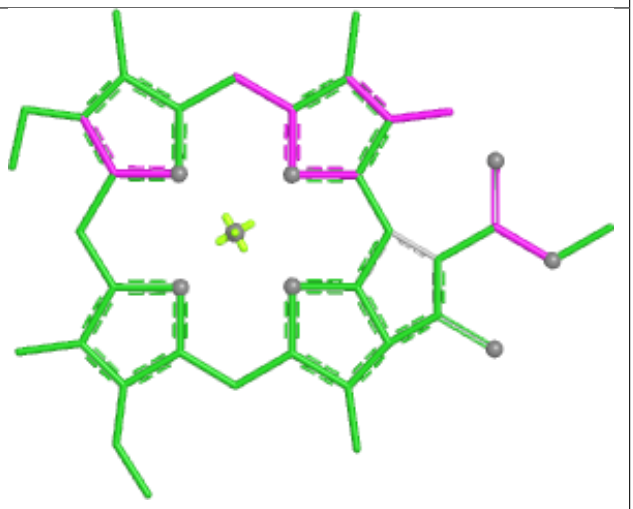


Rings

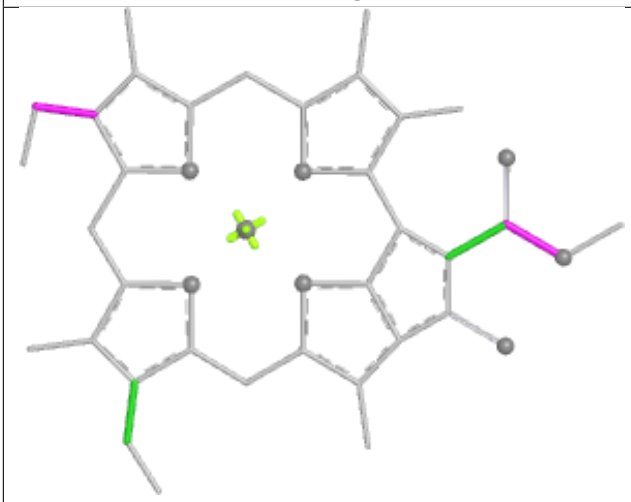
Ligand CLA 1 609



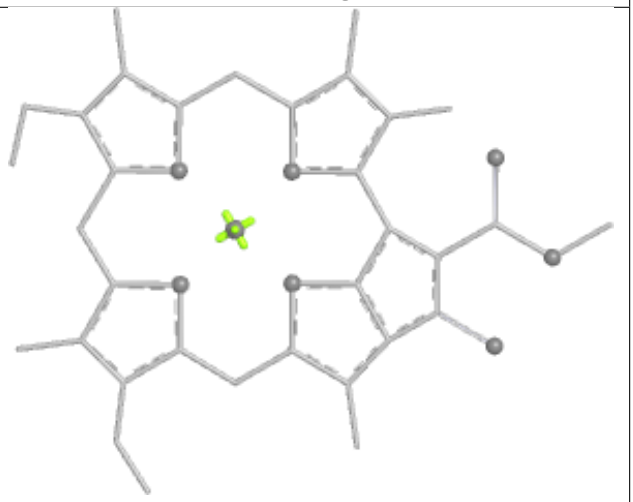
Bond lengths



Bond angles

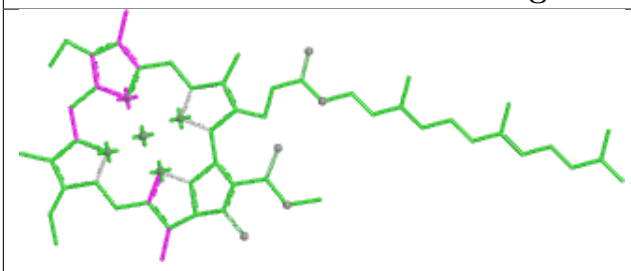


Torsions



Rings

Ligand CLA c 608



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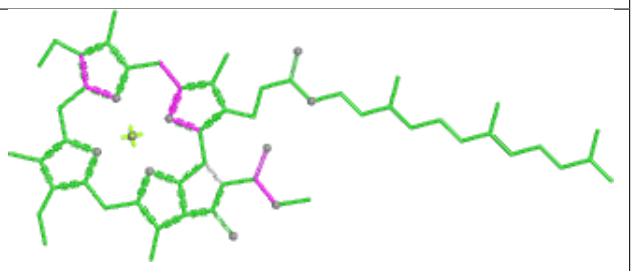
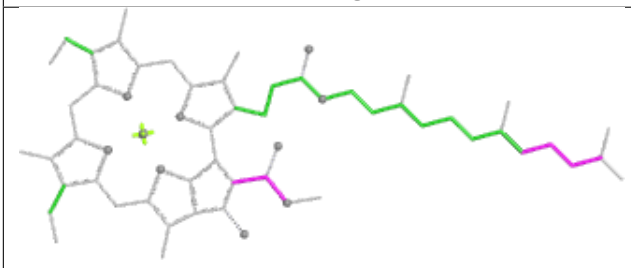
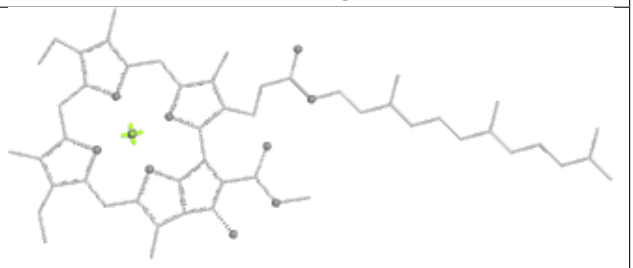


Bond angles

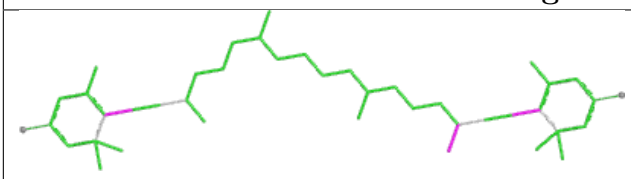


Torsions

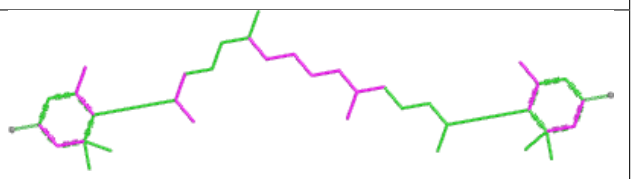


Rings

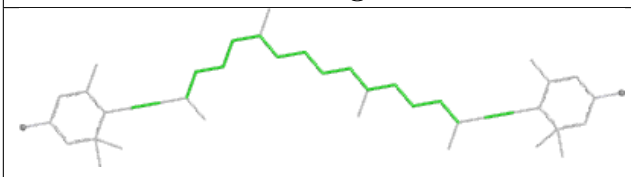
Ligand II0 d 614



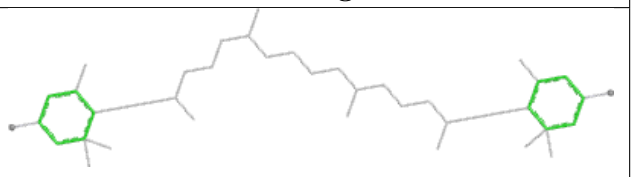
Bond lengths



Bond angles

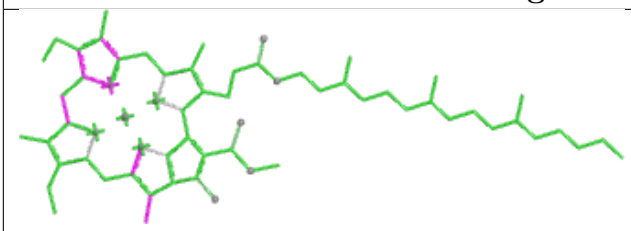


Torsions

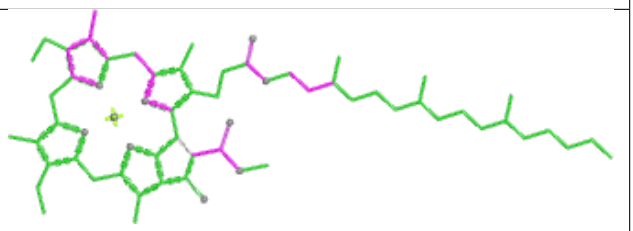


Rings

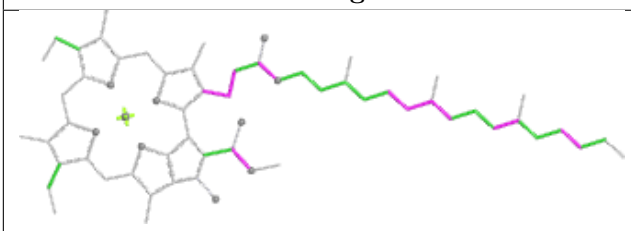
Ligand CLA b 602



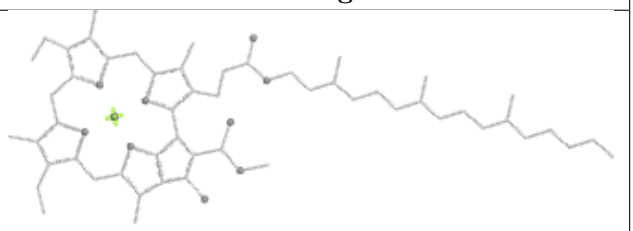
Bond lengths



Bond angles

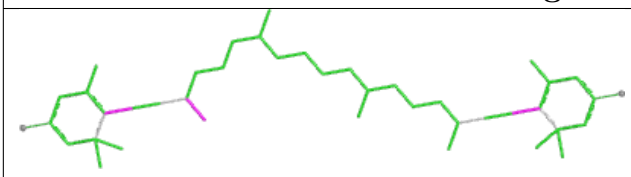


Torsions



Rings

Ligand II0 c 617



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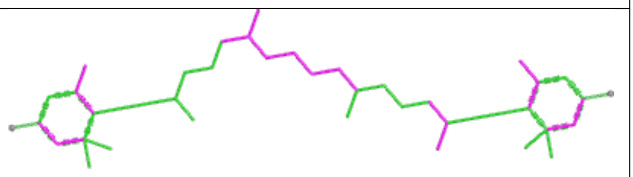
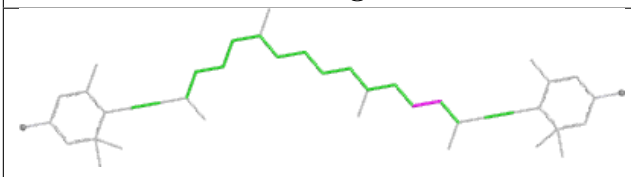
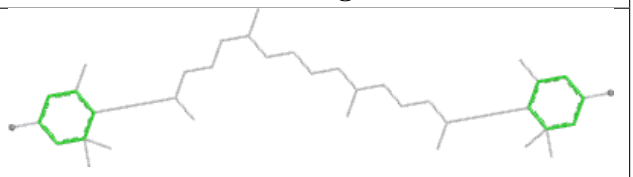


Bond angles

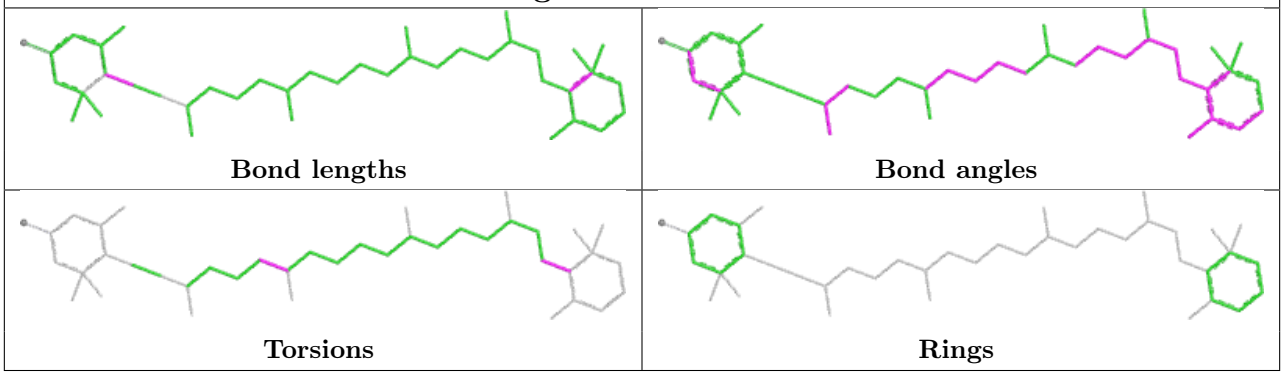


Torsions

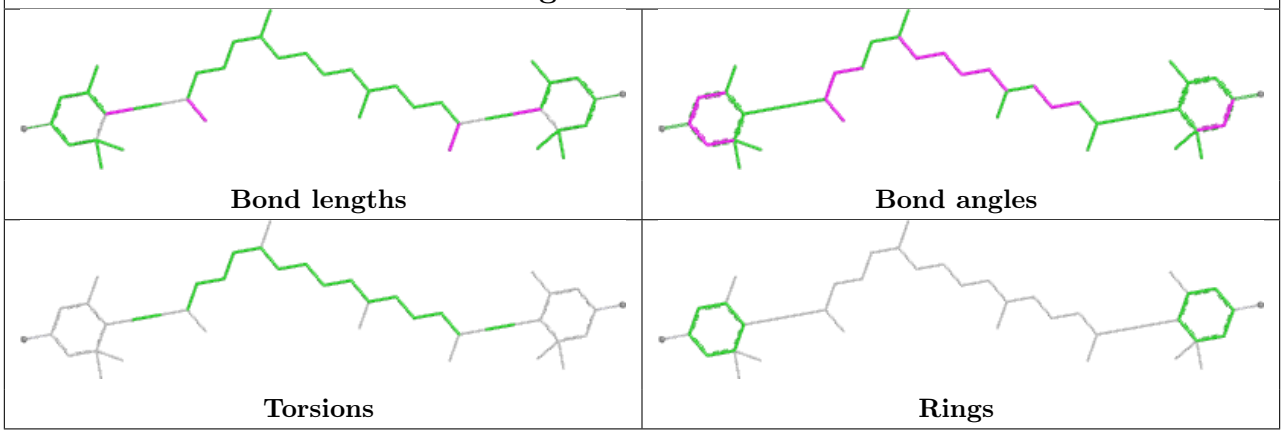


Rings

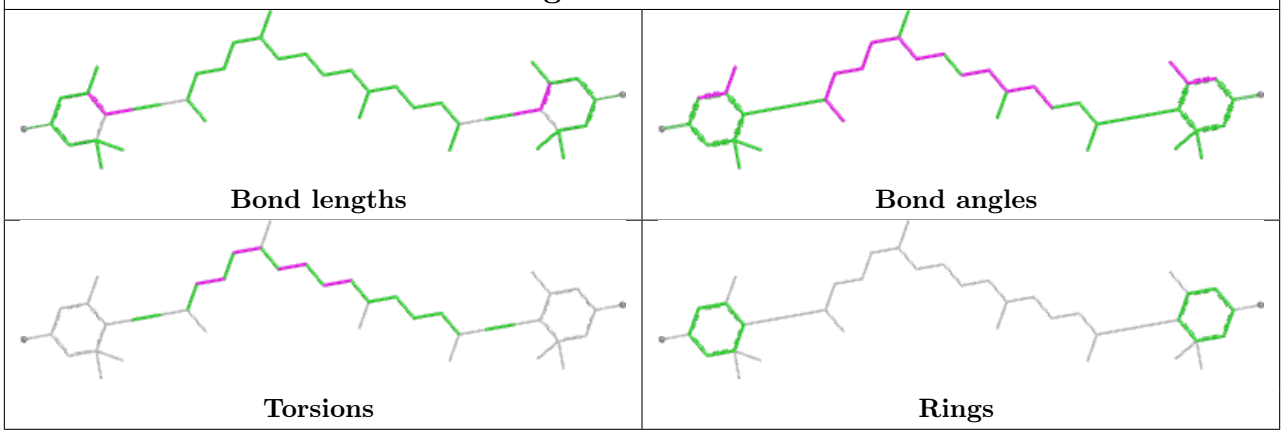
Ligand IHT a 616



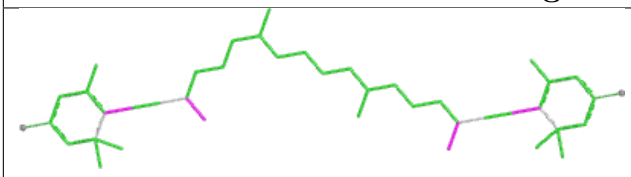
Ligand II0 R 201



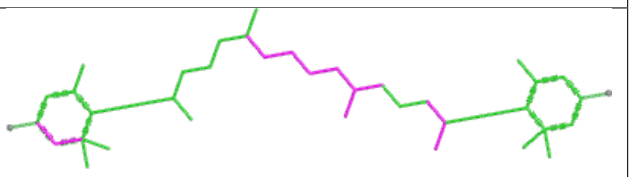
Ligand II0 1 620



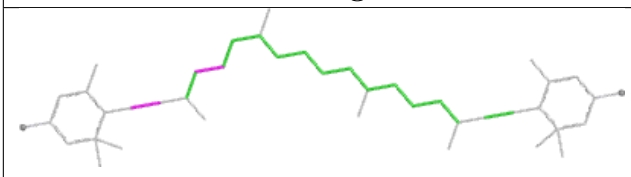
Ligand II0 a 614



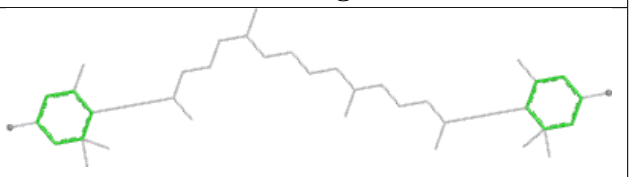
Bond lengths



Bond angles

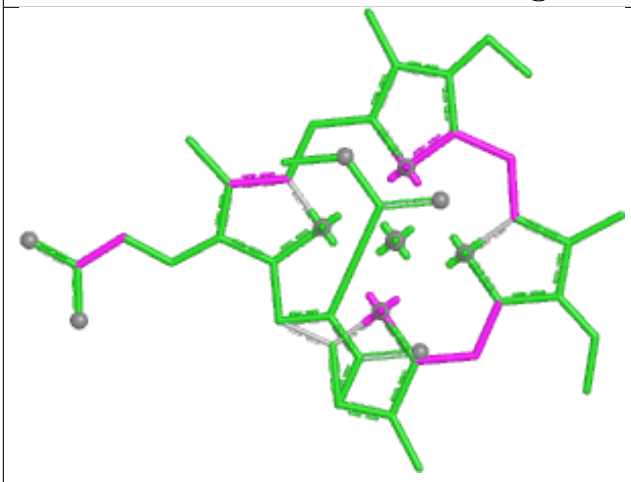


Torsions



Rings

Ligand KC2 6 610



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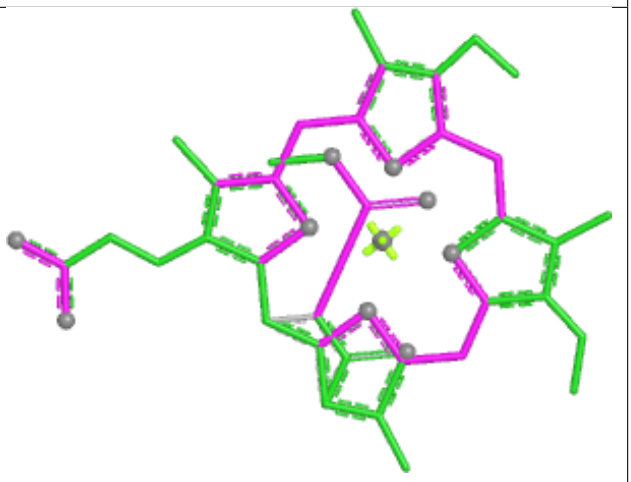
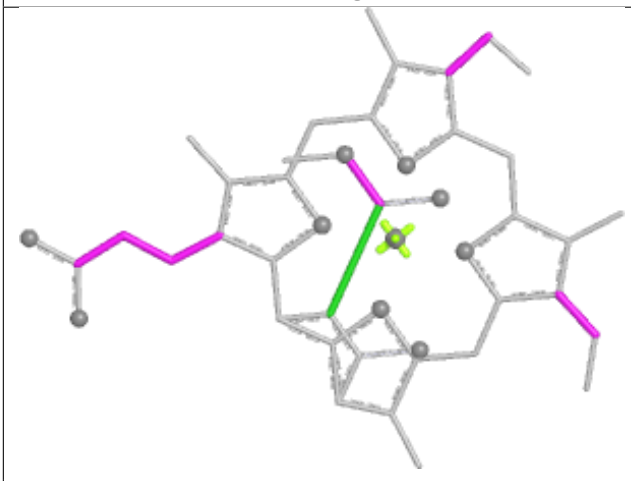
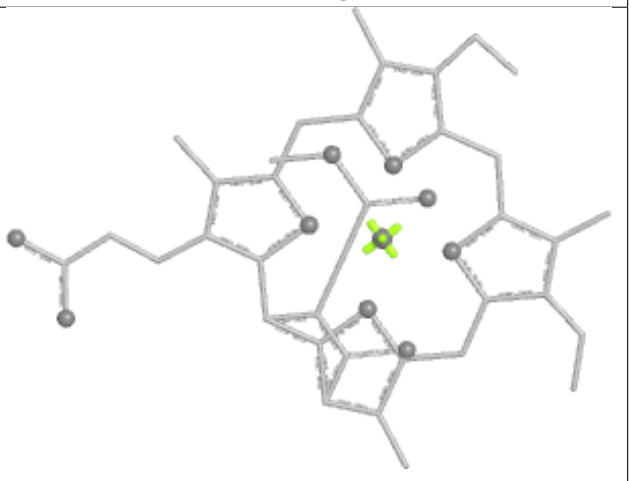


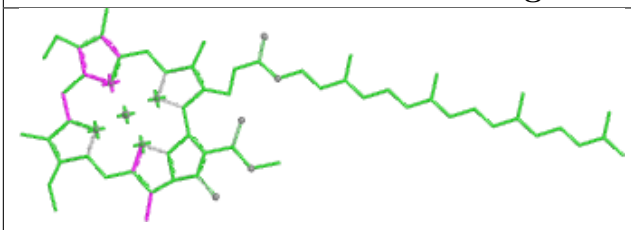
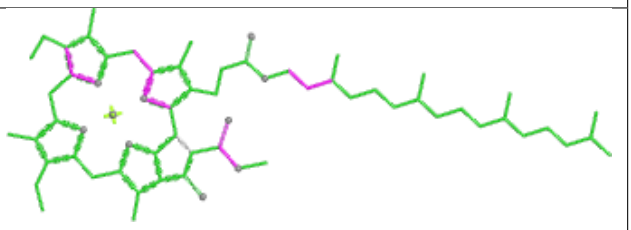
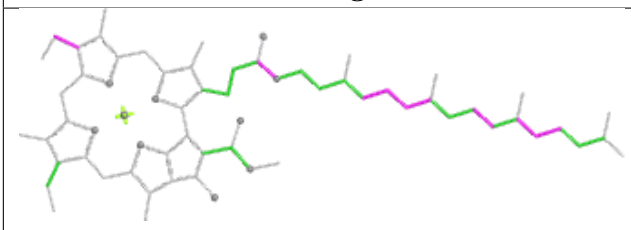
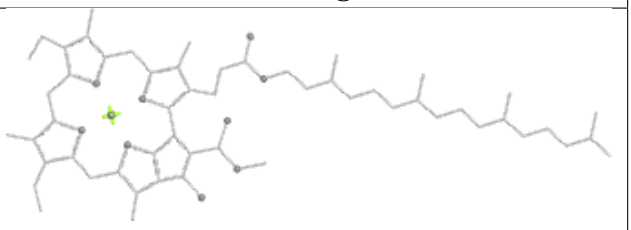
Bond angles



Torsions



Rings

Ligand CLA B 833	
	
Bond lengths	Bond angles
	
Torsions	Rings

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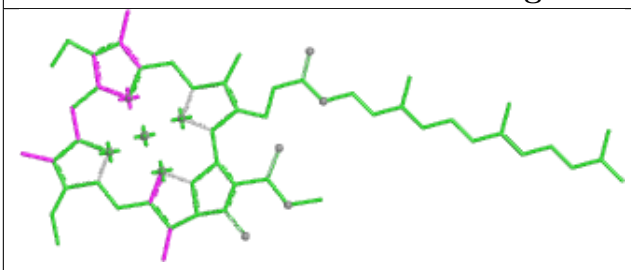
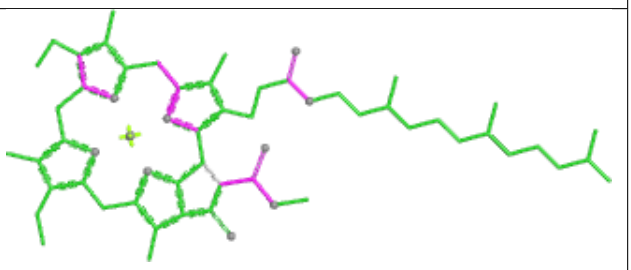
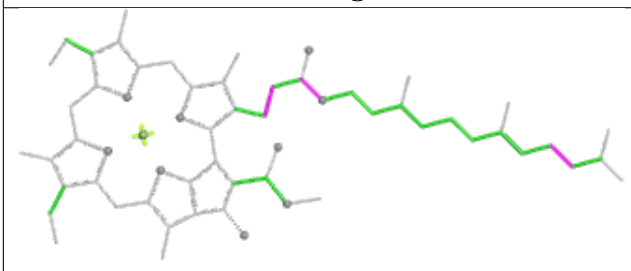
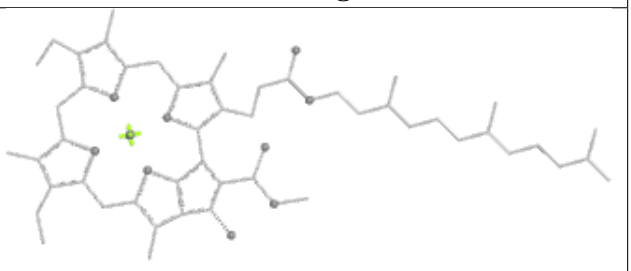
	
Bond lengths	Bond angles
	
Torsions	Rings

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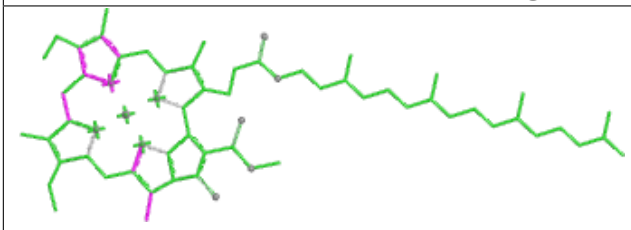
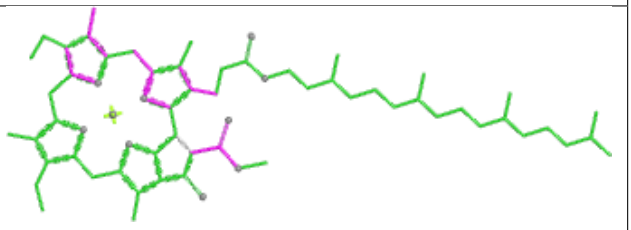
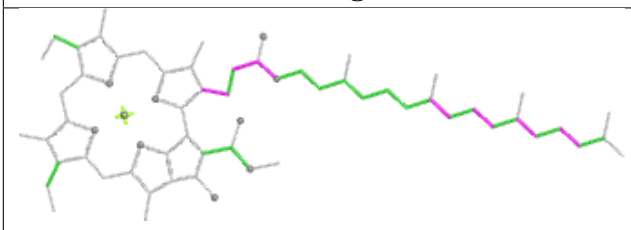
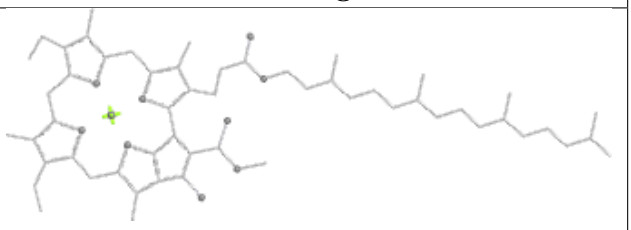
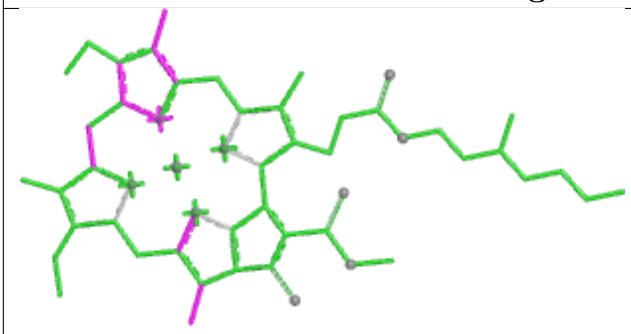
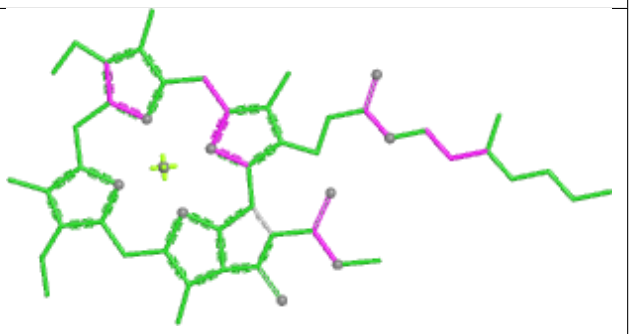
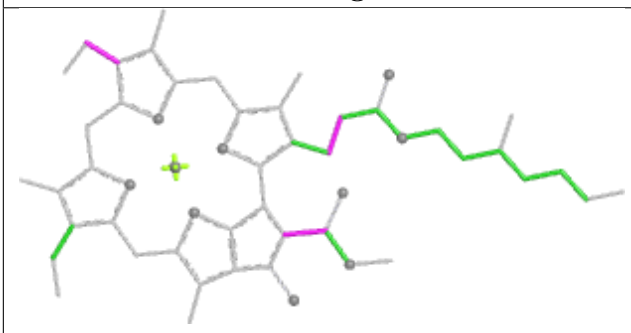
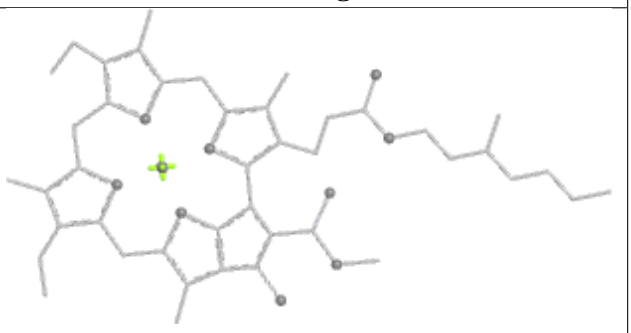
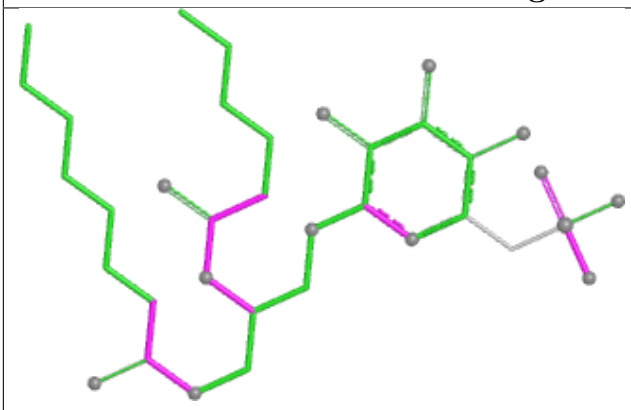
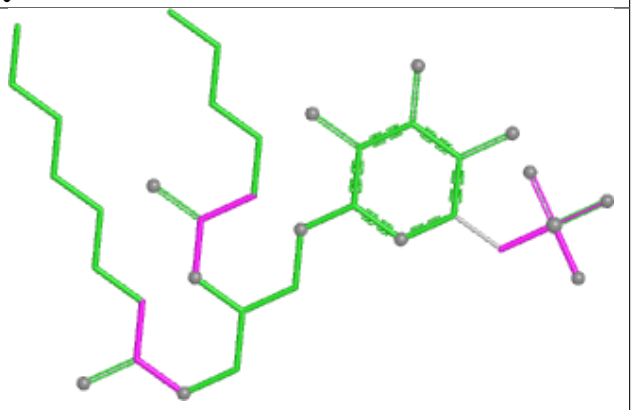
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA 7 305	
	
Bond lengths	Bond angles
	
Torsions	Rings

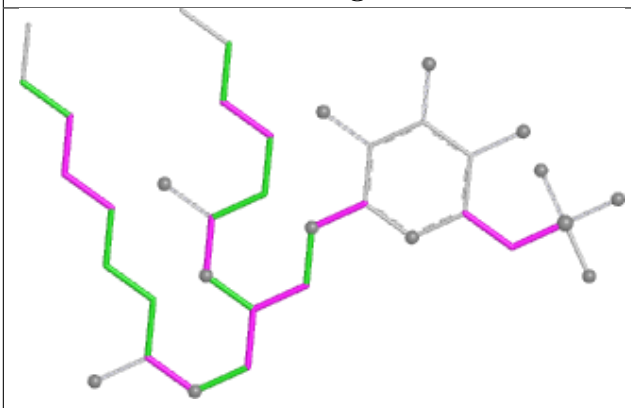
Ligand SQD 7 321



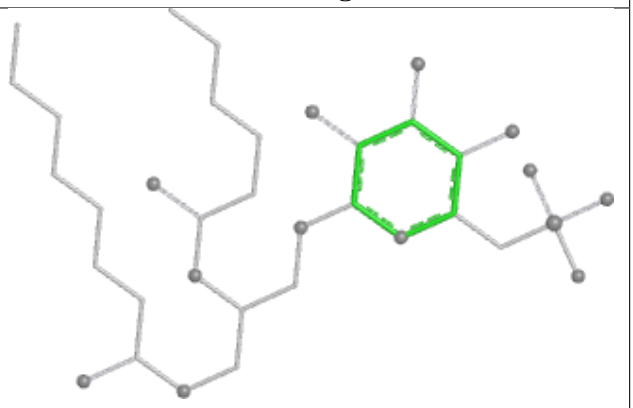
Bond lengths



Bond angles

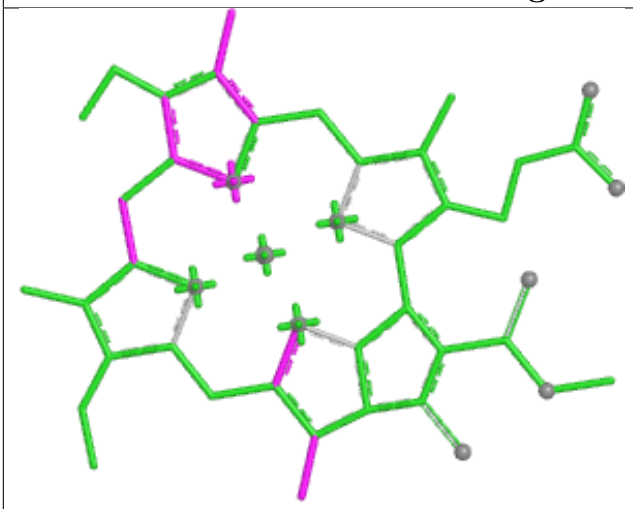


Torsions

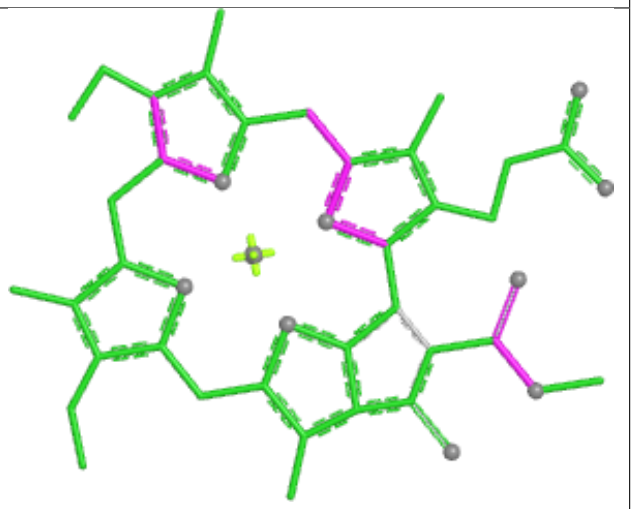


Rings

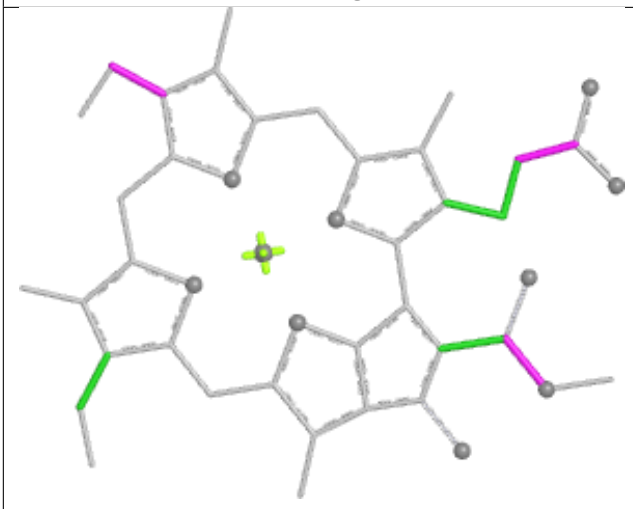
Ligand CLA 5 605



Bond lengths



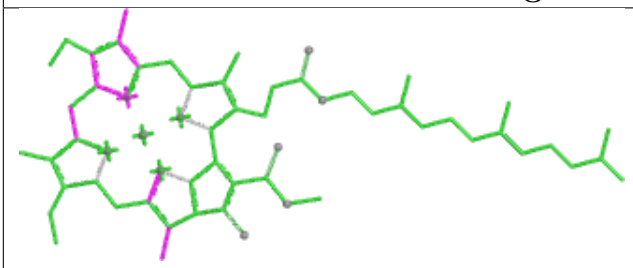
Bond angles



Torsions

Rings

Ligand CLA B 819



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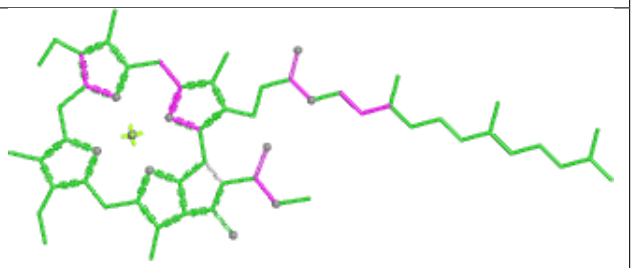
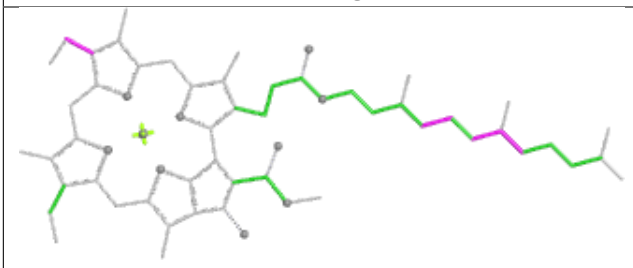
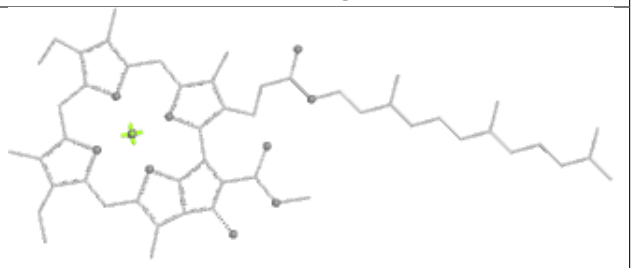


Bond angles

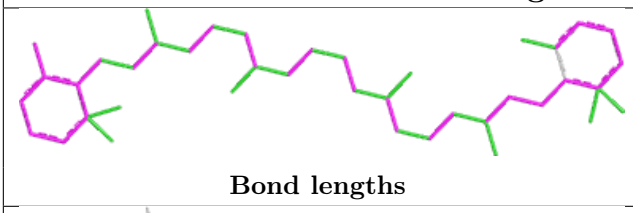


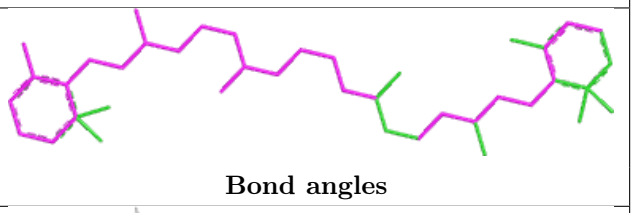
Torsions

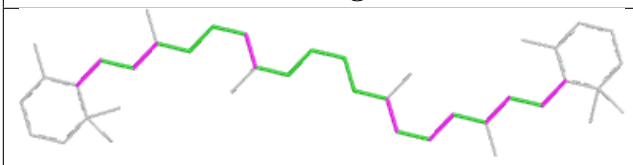


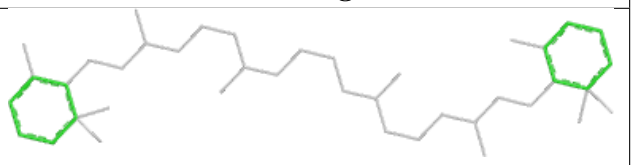
Rings

Ligand 8CT B 843

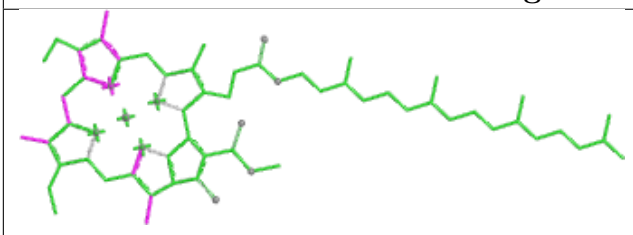

Bond lengths


Bond angles


Torsions


Rings

Ligand CLA A 825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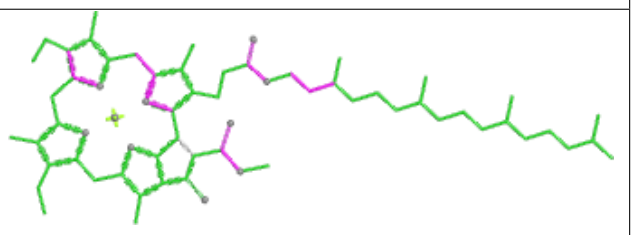
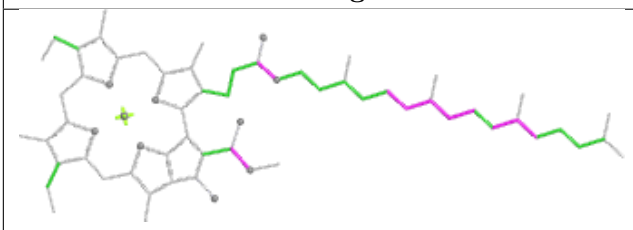
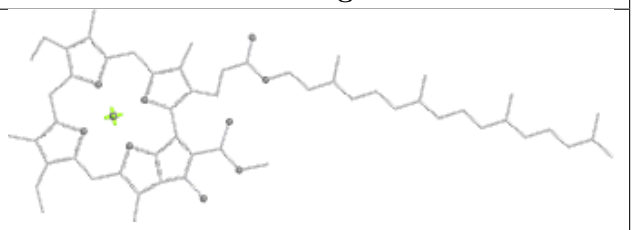
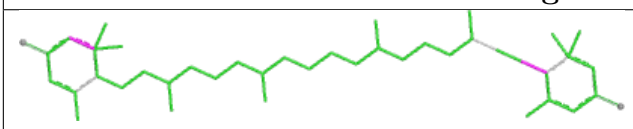
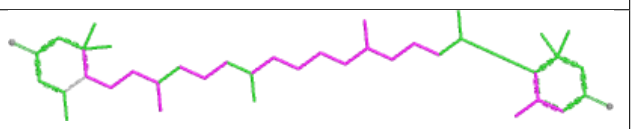

Bond angles

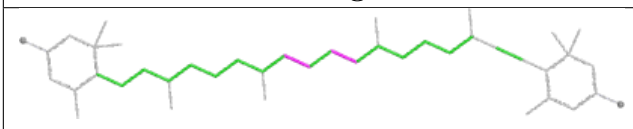

Torsions

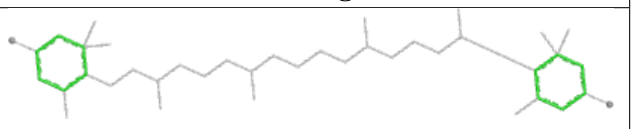

Rings

Ligand II3 b 613


Bond lengths

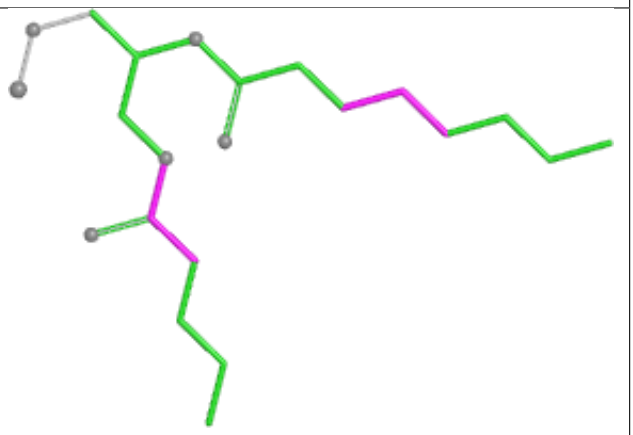

Bond angles


Torsions

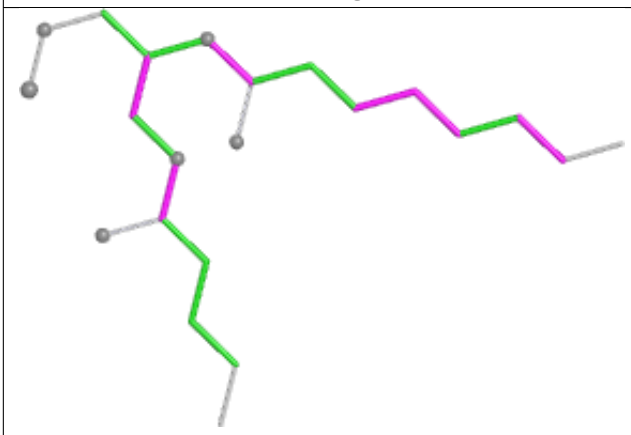

Rings

Ligand LHG L 206

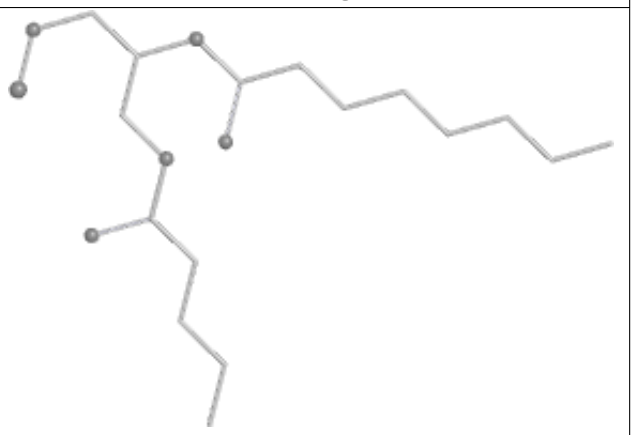
Bond lengths



Bond angles

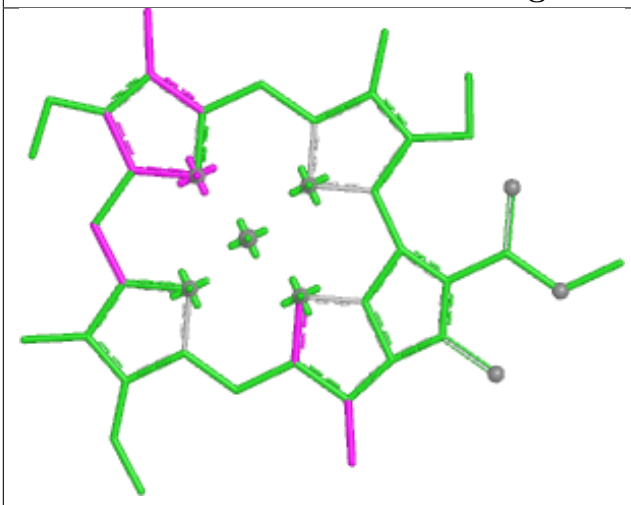


Torsions



Rings

Ligand CLA 2 601



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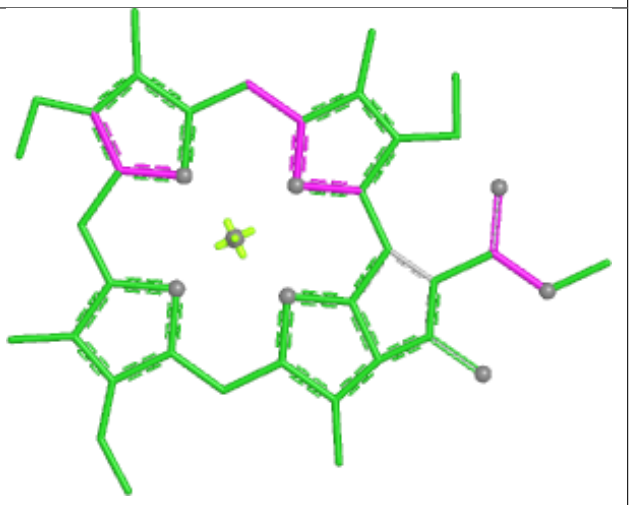
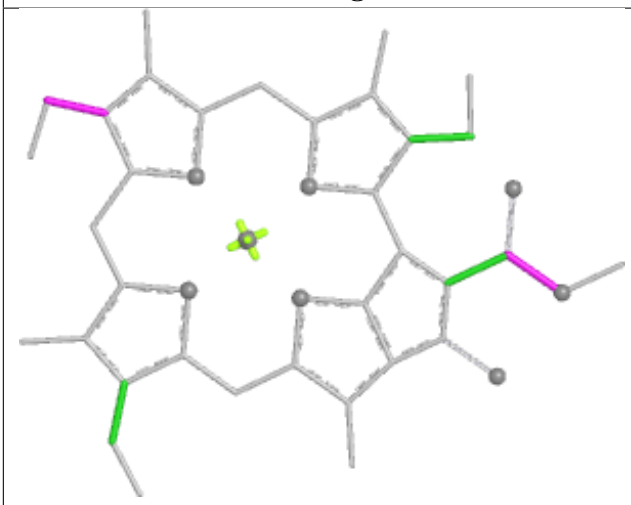


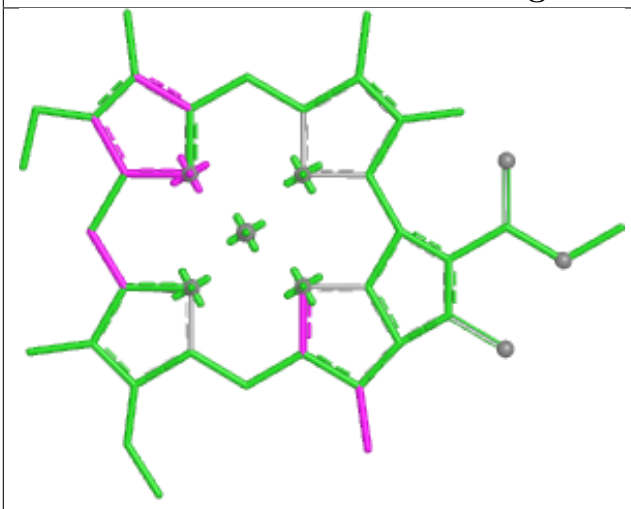
Bond angles



Torsions

Rings

Ligand CLA 5 601



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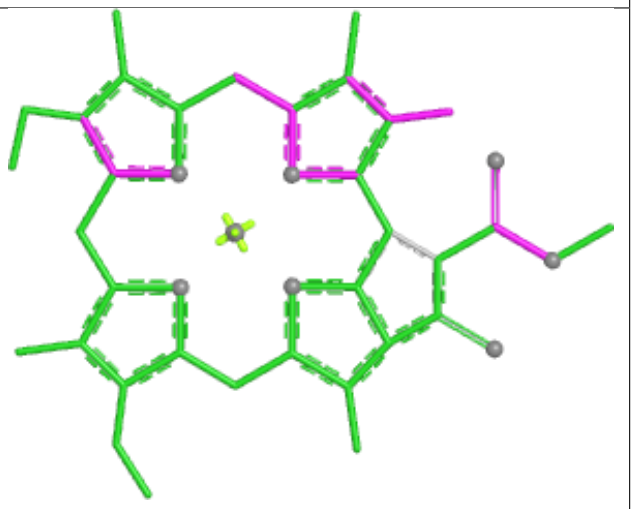

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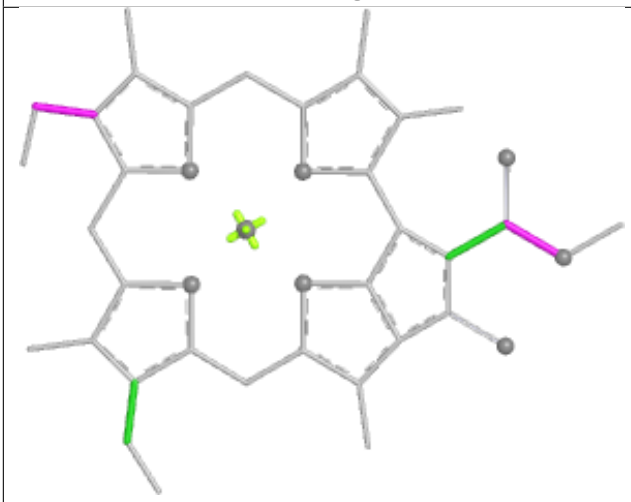

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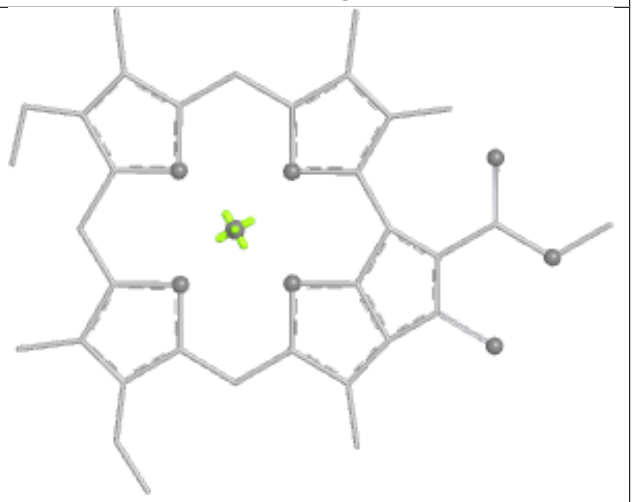
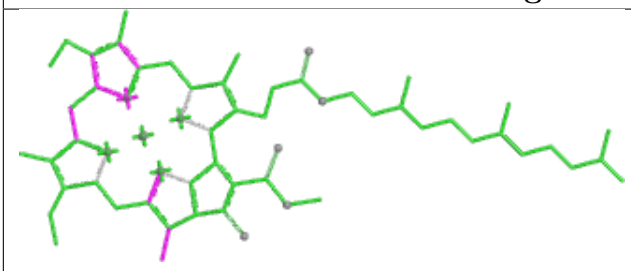


Rings

Ligand CLA B 821



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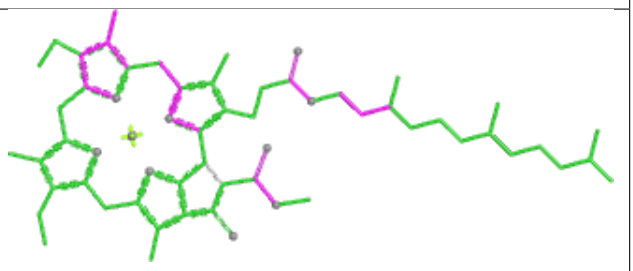
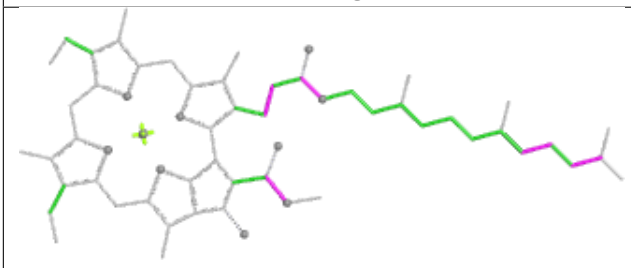


Bond angles



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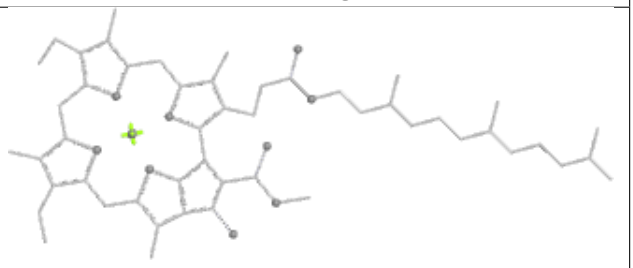
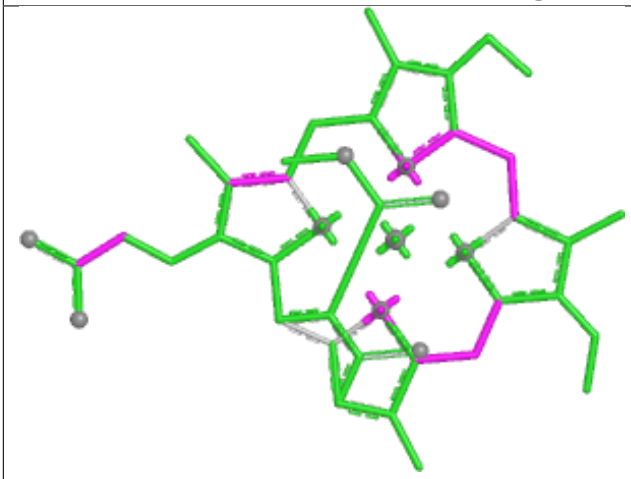


Rings

Ligand KC2 3 307



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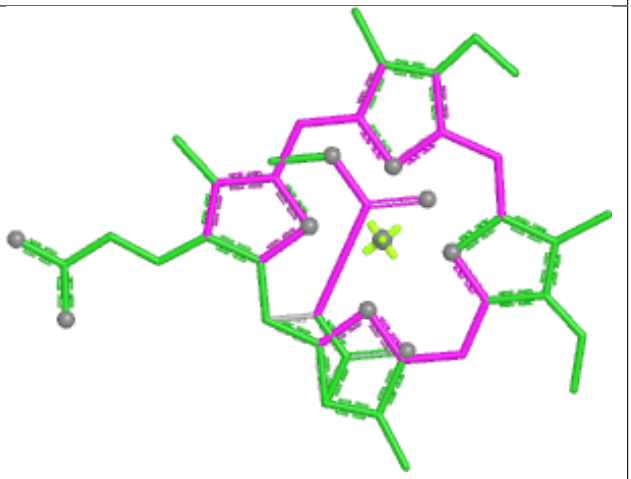
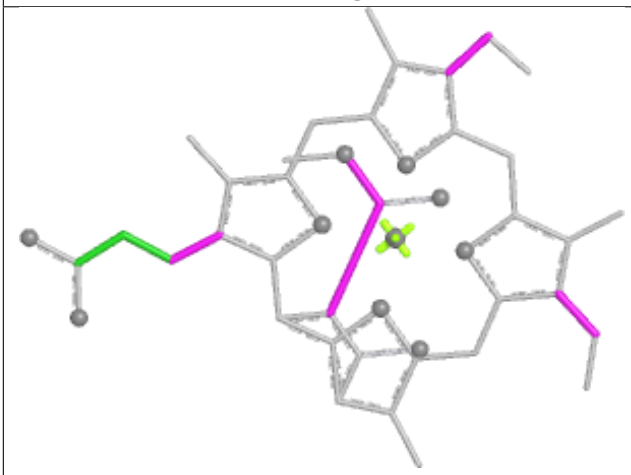


Bond angles



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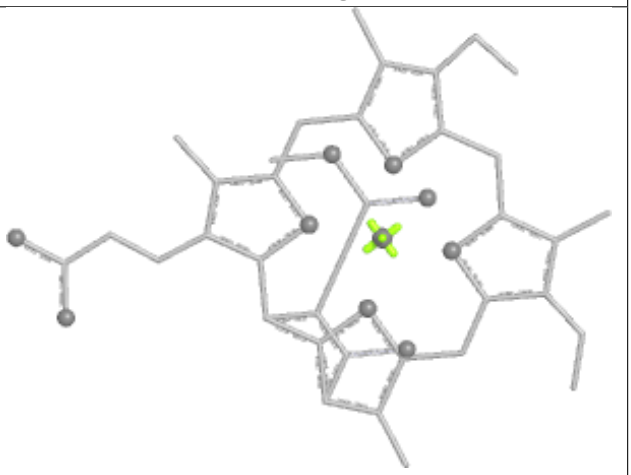
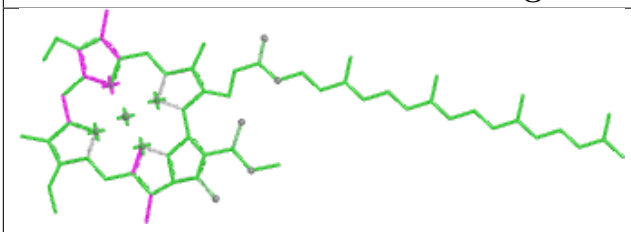


Rings

Ligand CLA B 841



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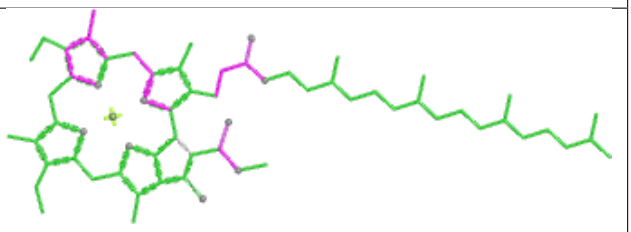
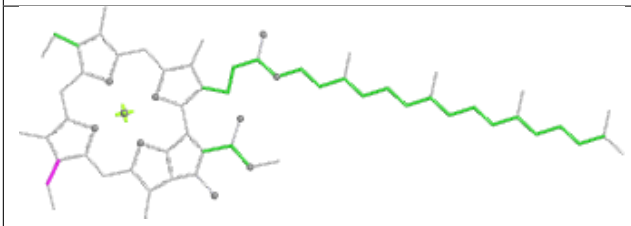


Bond angles



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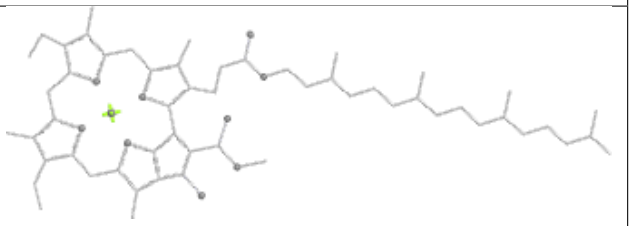
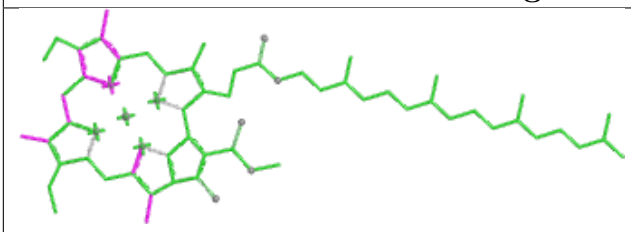


Rings

Ligand CLA A 854



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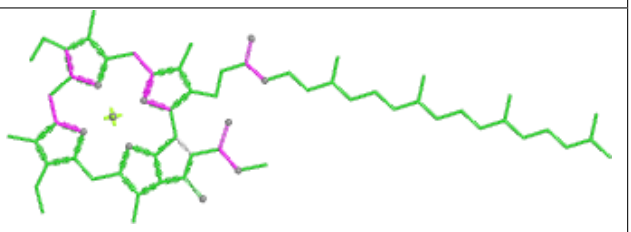
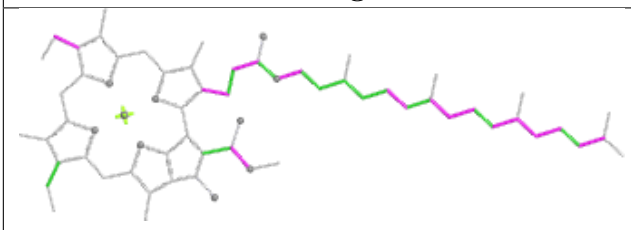


Bond angles



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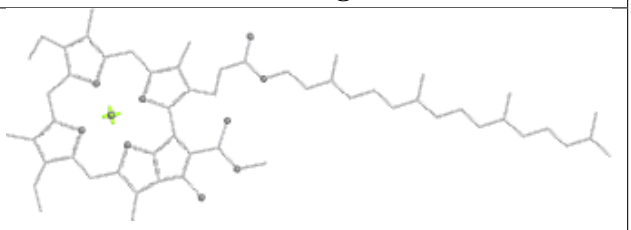
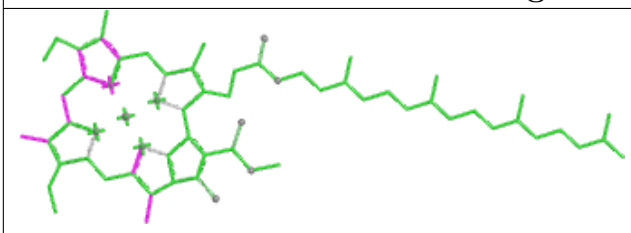


Rings

Ligand CLA d 608



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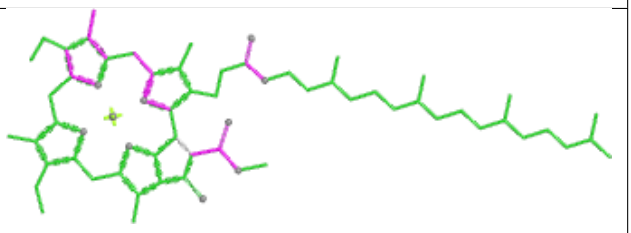
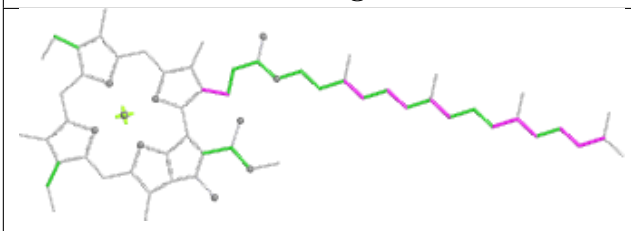


Bond angles



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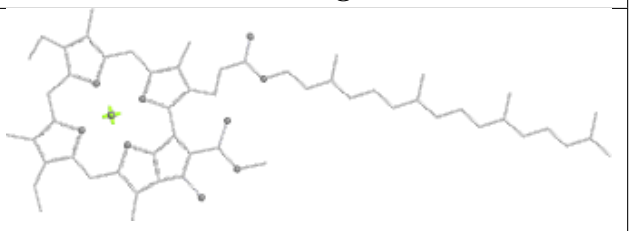
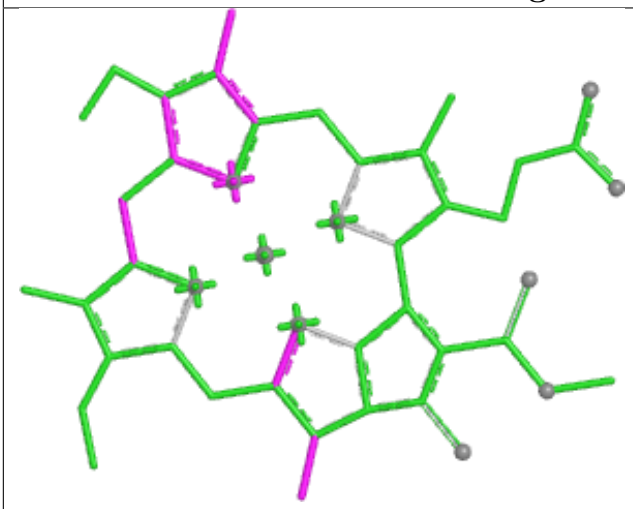


Rings

Ligand CLA e 601



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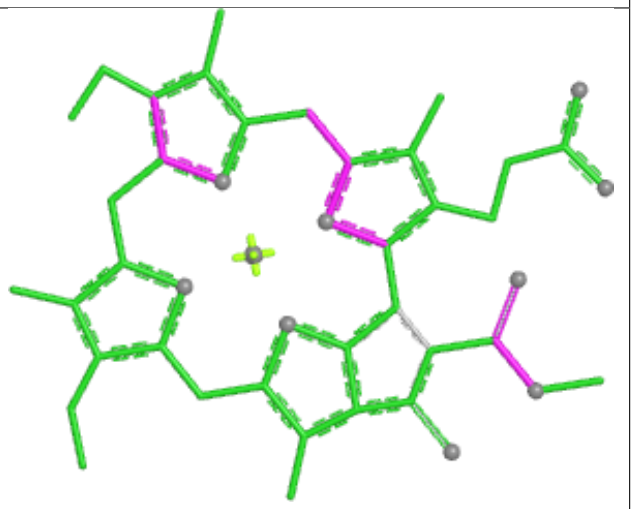
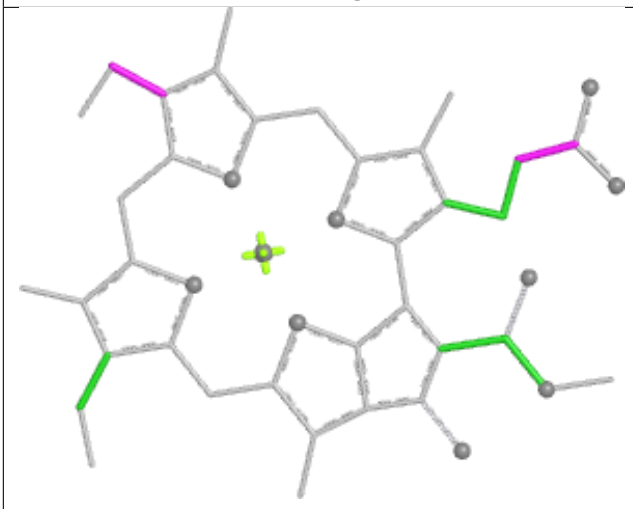


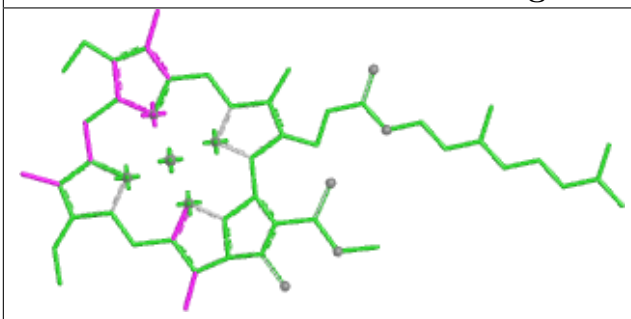
Bond angles



Torsions

Rings

Ligand CLA 3 303



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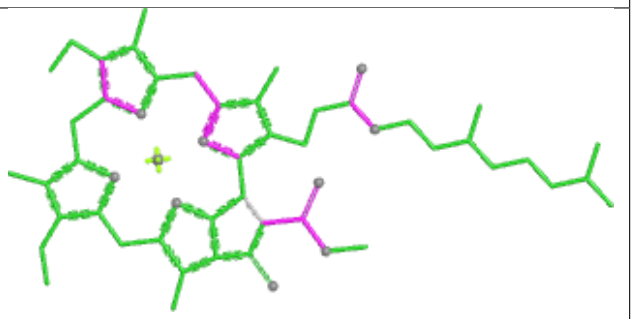
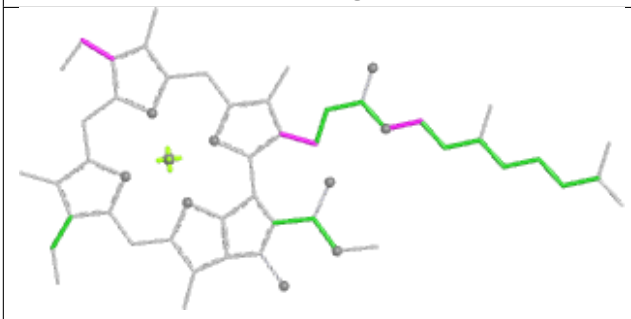


Bond angles



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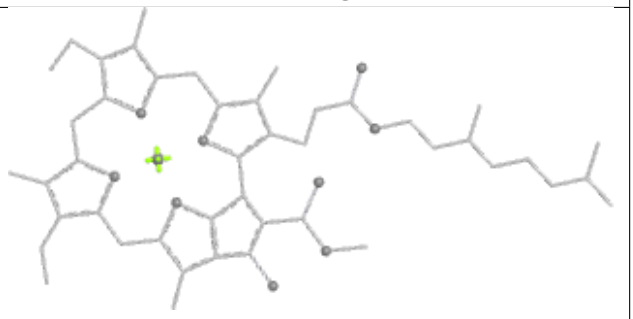
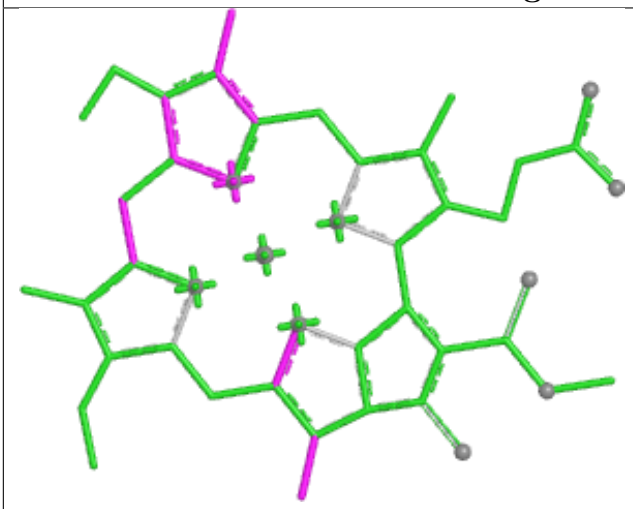


Rings

Ligand CLA A 853



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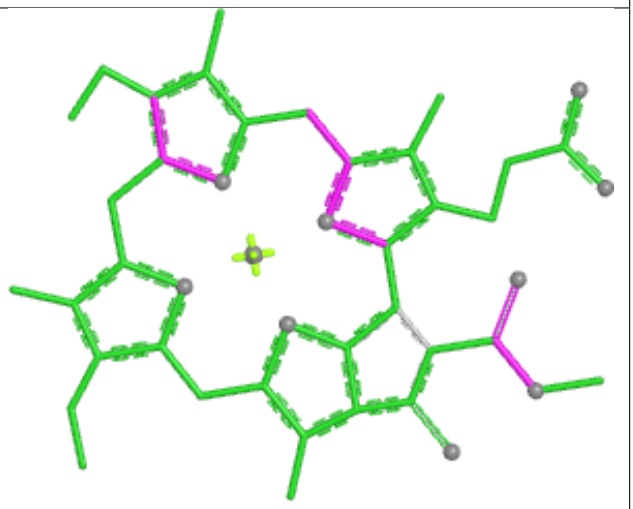
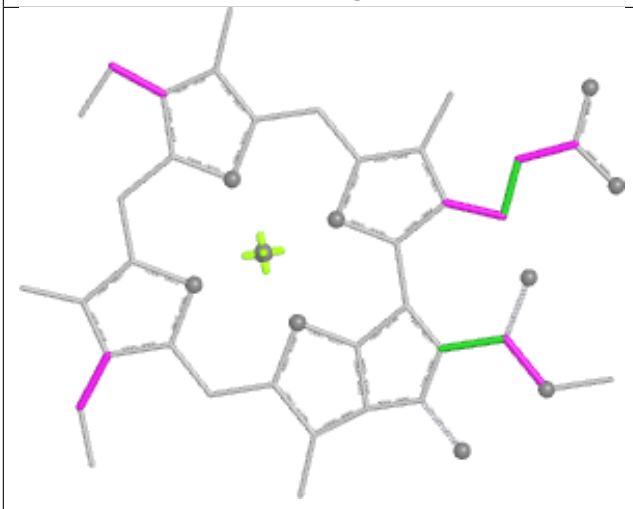


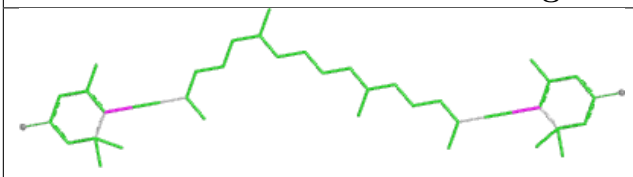
Bond angles



Torsions

Rings

Ligand II0 J 102



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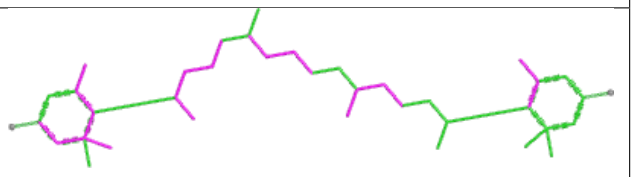

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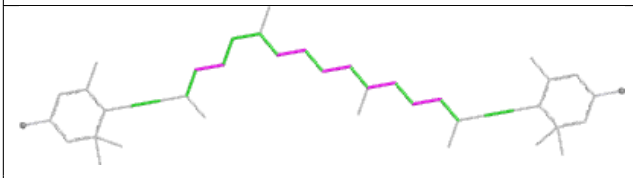
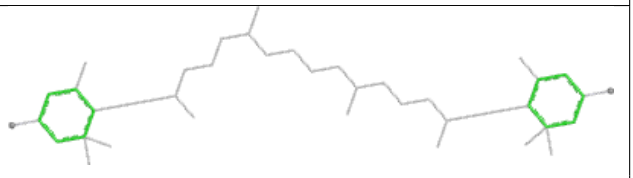
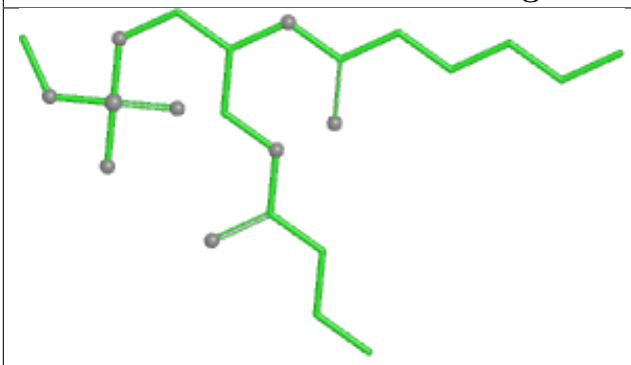


Torsions



Rings

Ligand LHG A 852



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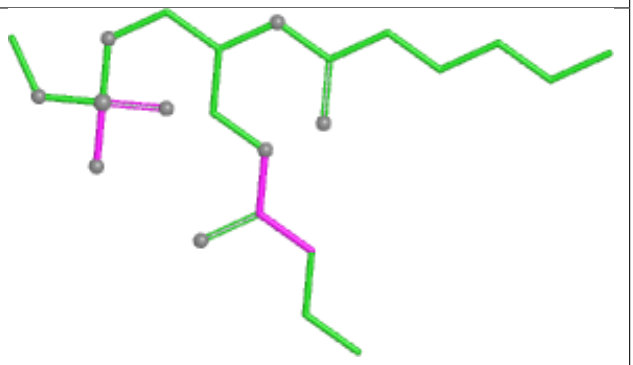
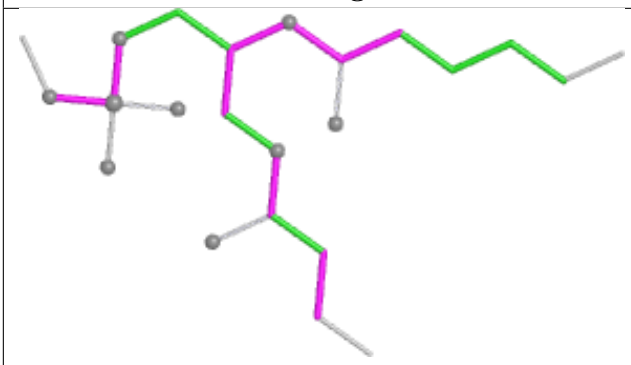


Bond angles



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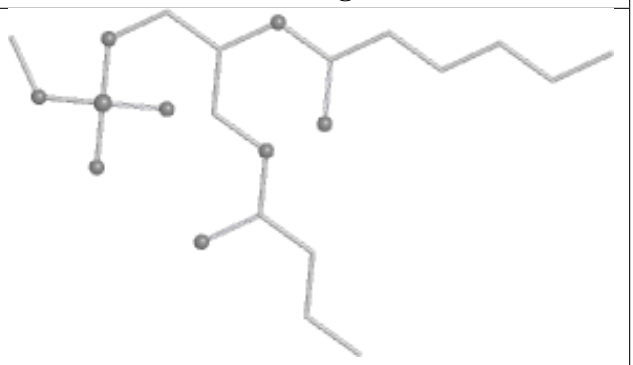
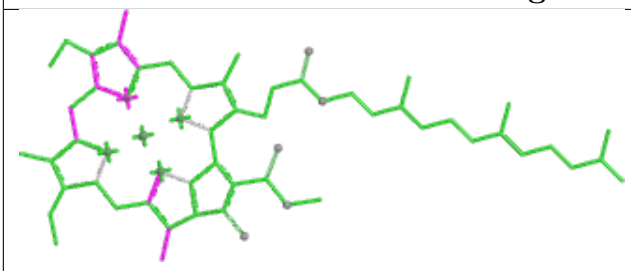


Rings

Ligand CLA 4 606



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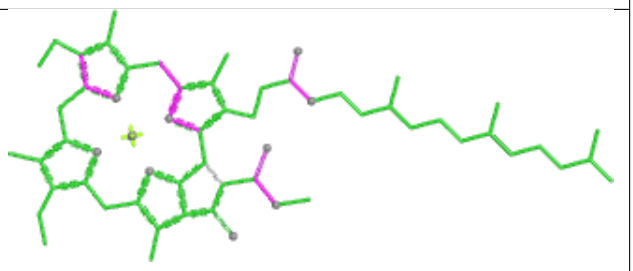
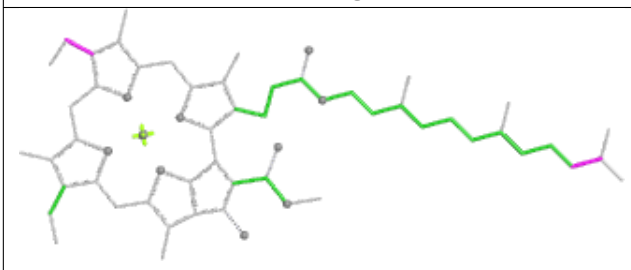
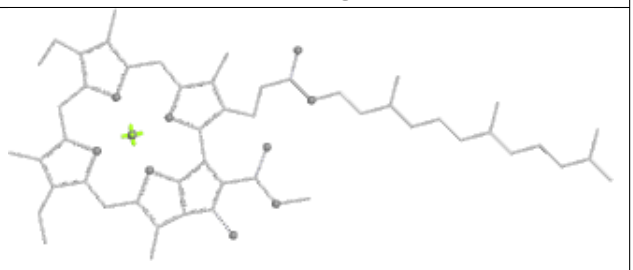


Bond angles

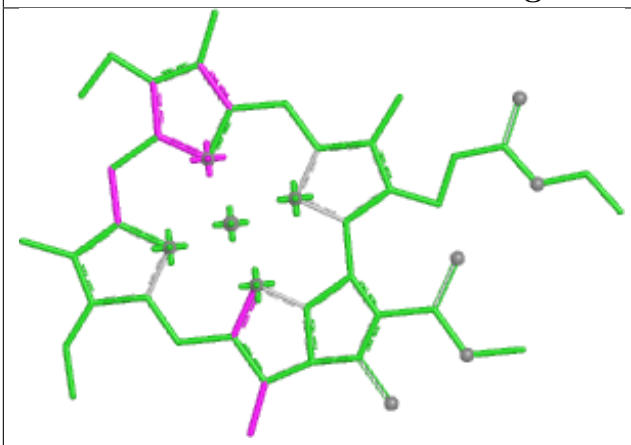


Torsions

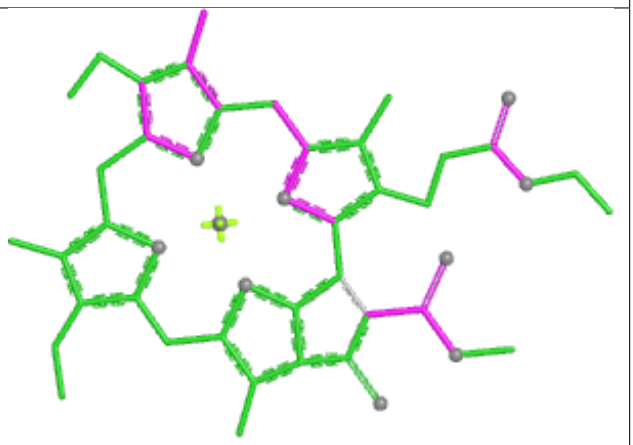


Rings

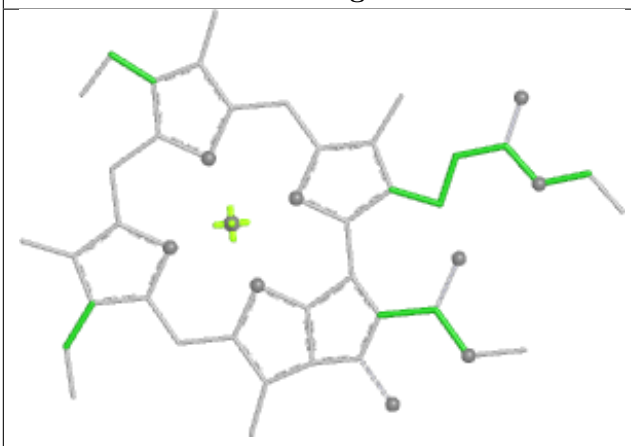
Ligand CLA B 837



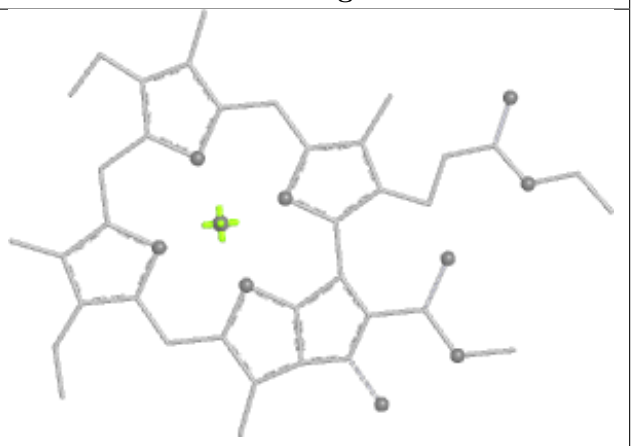
Bond lengths



Bond angles

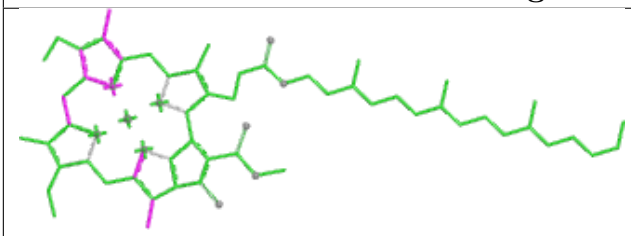


Torsions



Rings

Ligand CLA d 602



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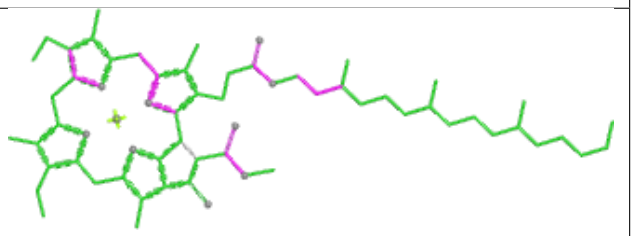

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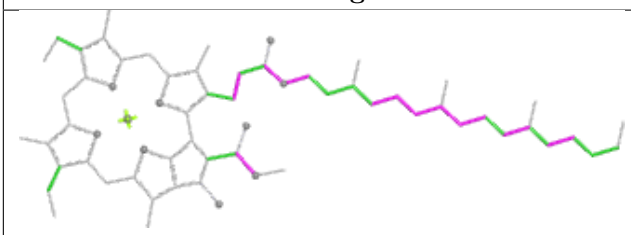

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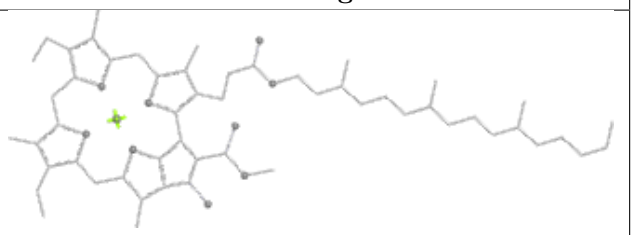
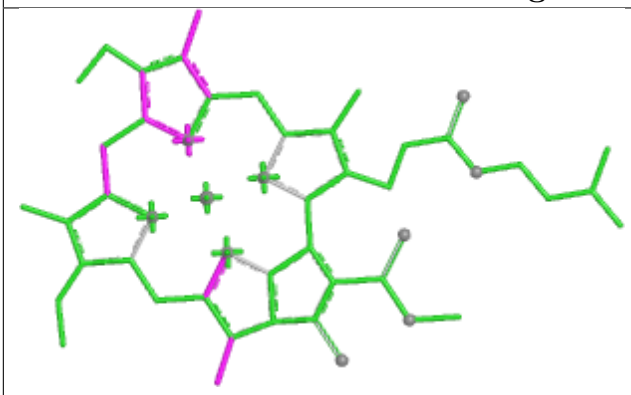


Rings

Ligand CLA 2 611



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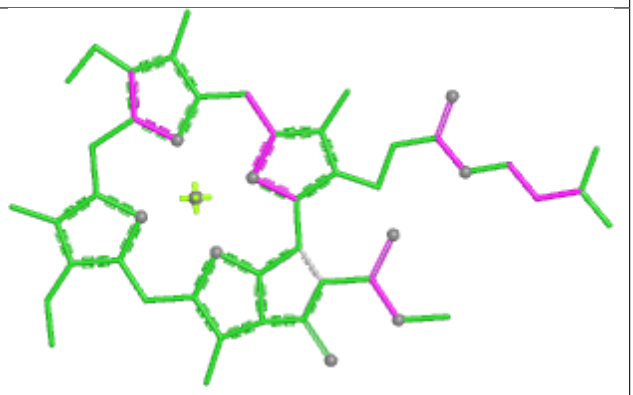

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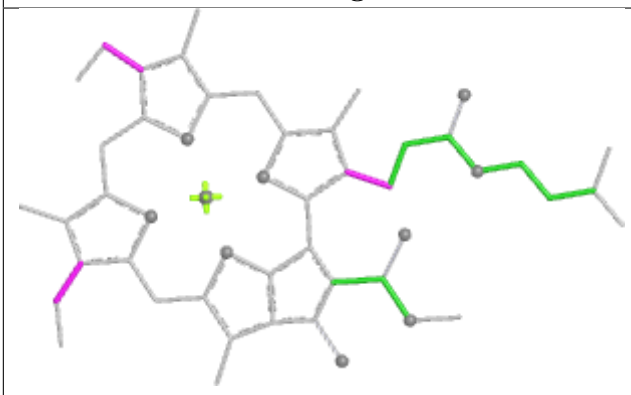

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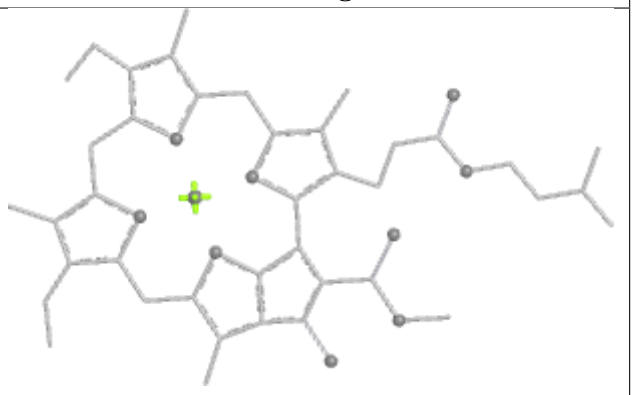
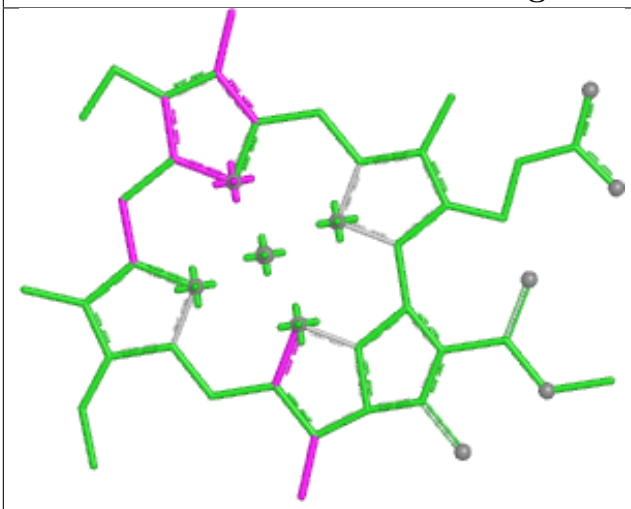


Rings

Ligand CLA 5 612



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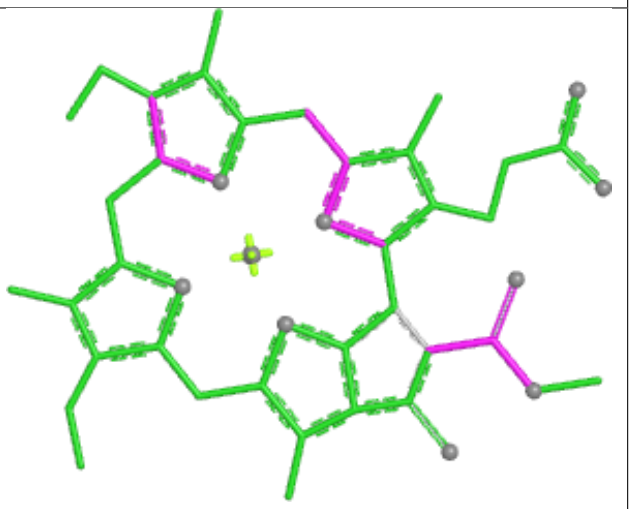

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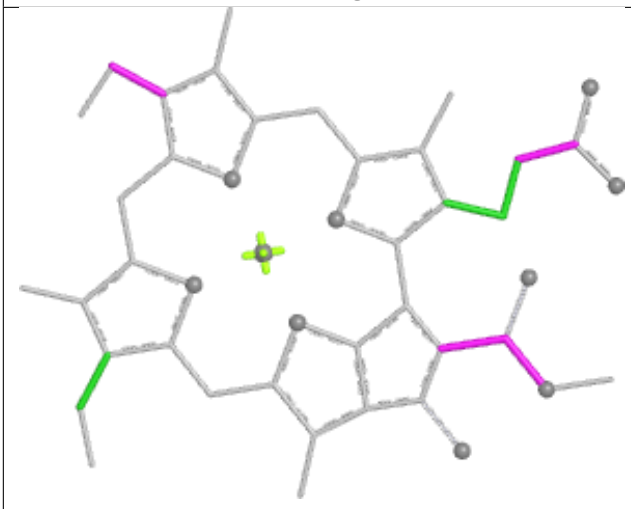
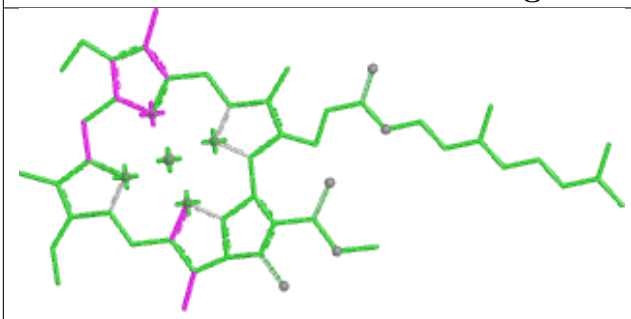
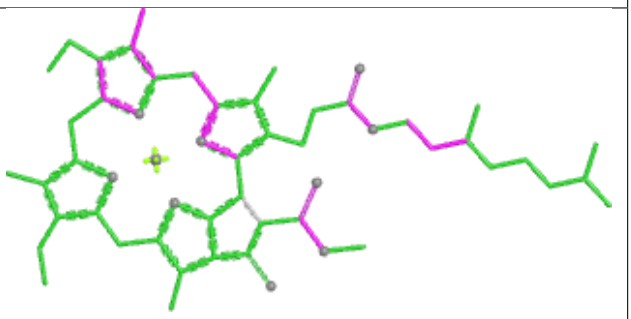
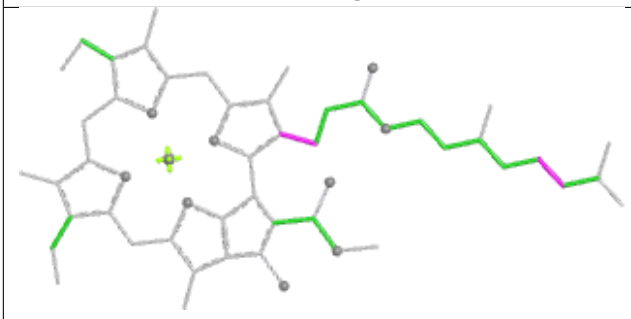
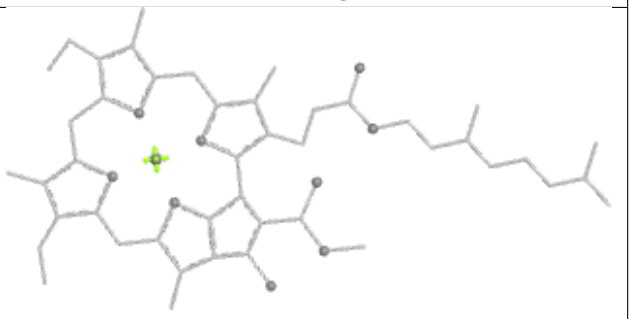
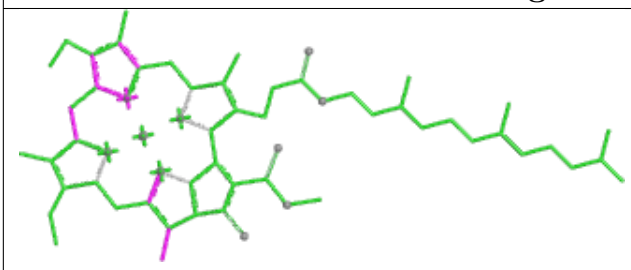
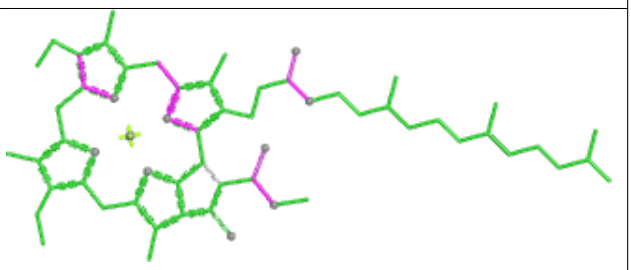


Torsions

Rings

Ligand CLA A 812	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA 6 604	
	
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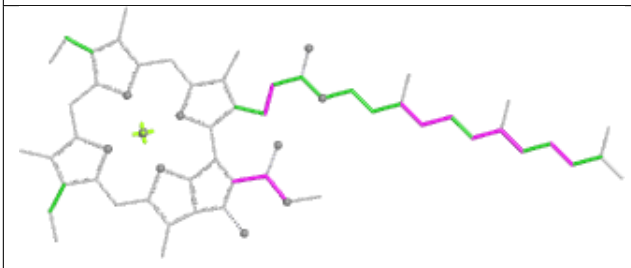
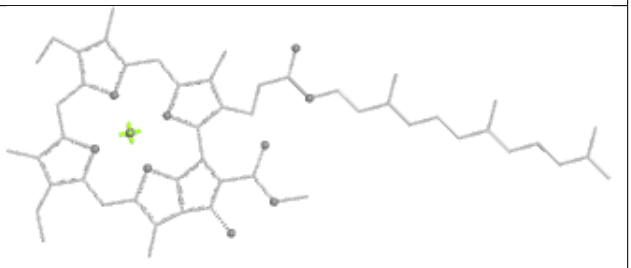
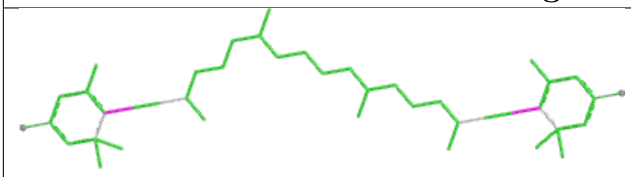
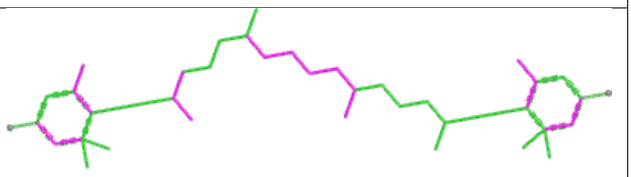
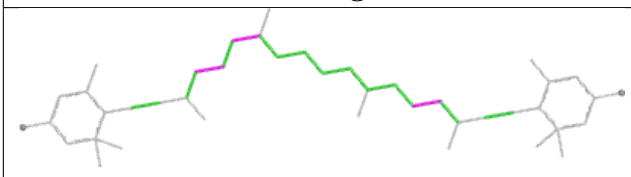
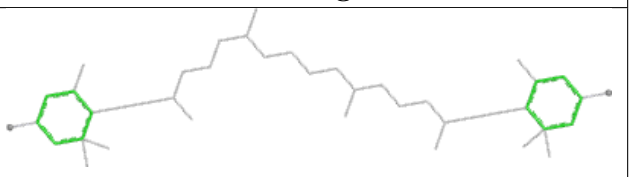
	
Torsions	Rings

Ligand II0 4 614	
 Bond lengths	 Bond angles
 Torsions	 Rings

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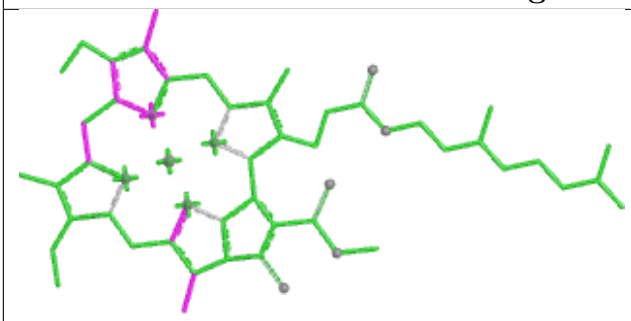
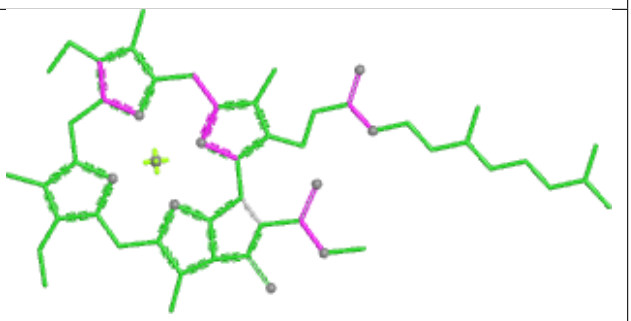
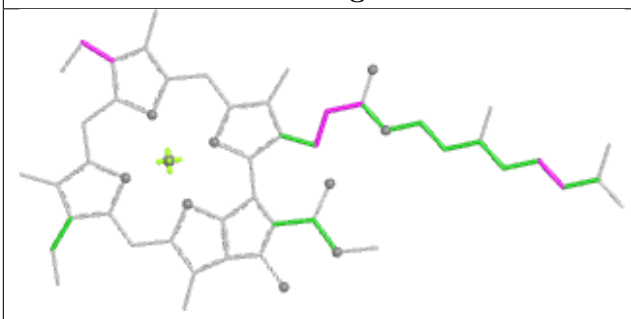
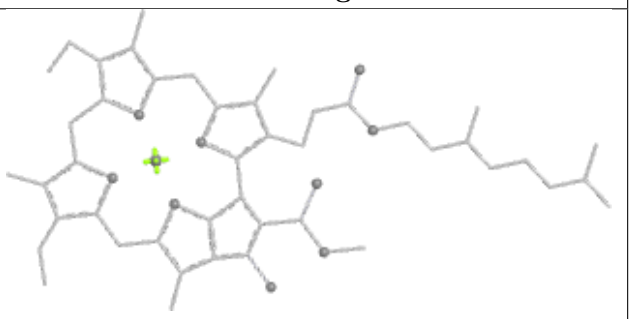
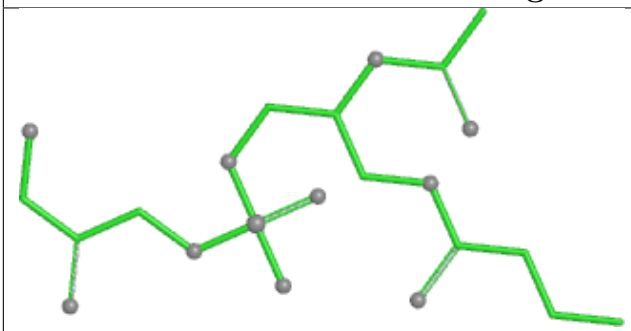
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand LHG 5 619



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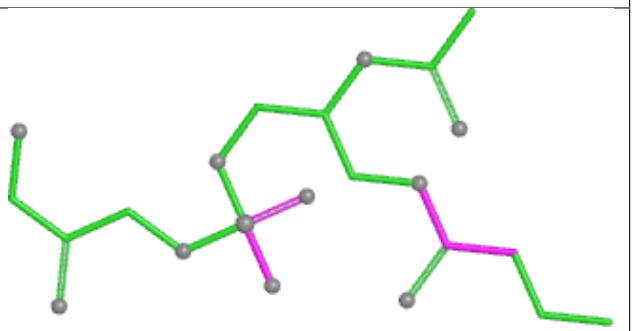
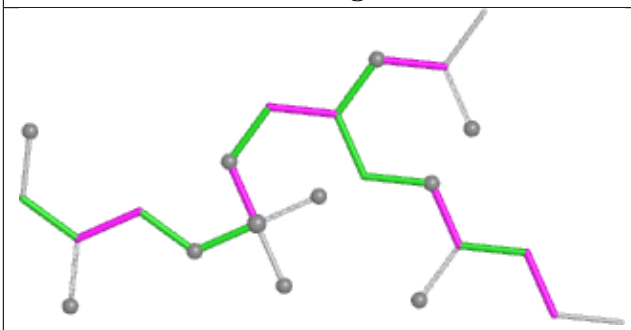


Bond angles



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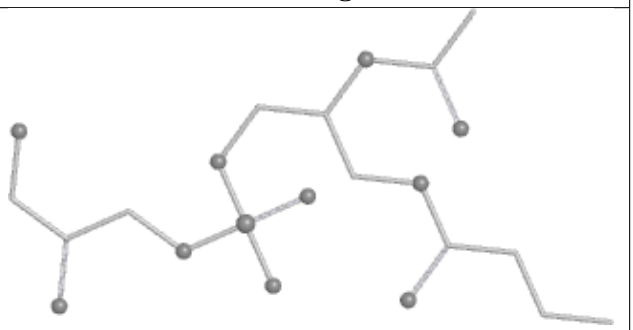
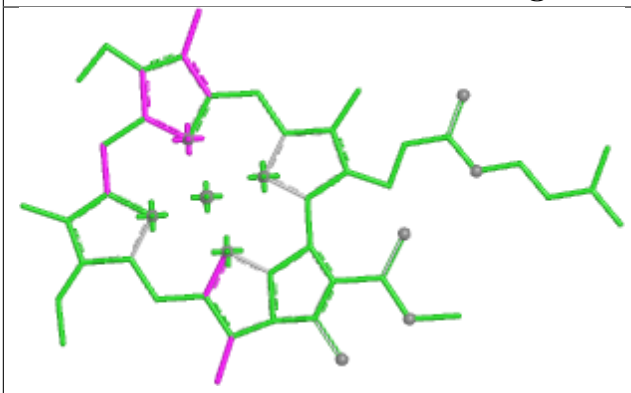
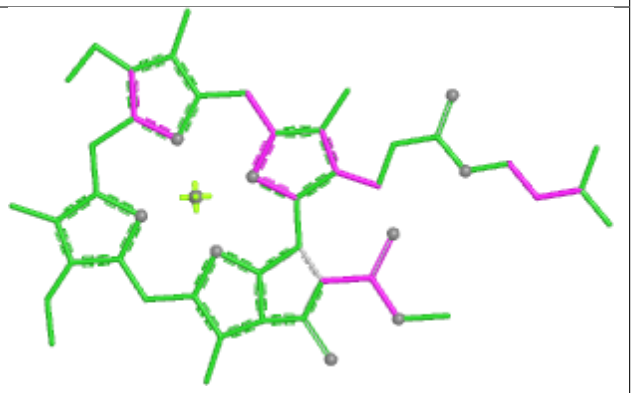


Rings

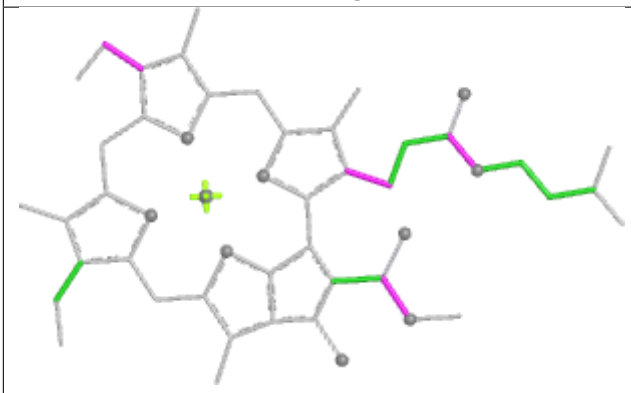
Ligand CLA 7 312



Bond lengths



Bond angles



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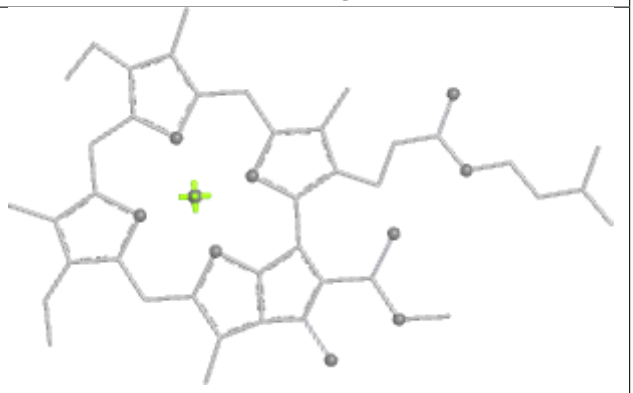
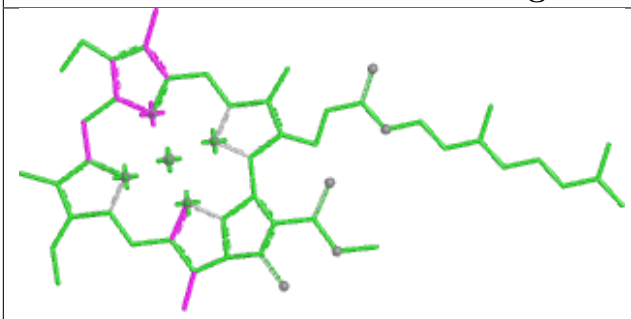


Rings

Ligand CLA 6 605



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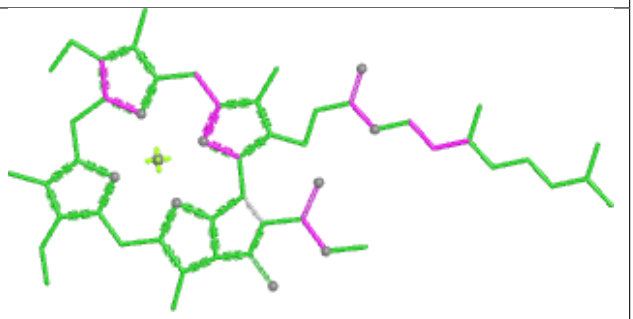
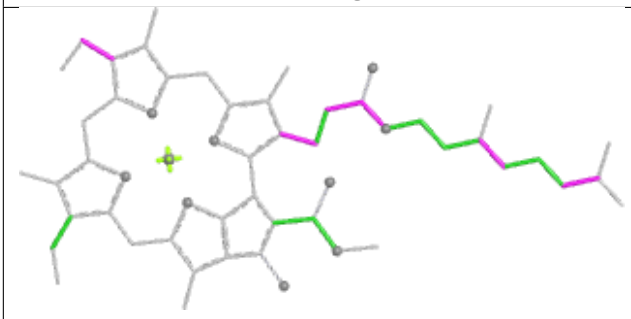


Bond angles



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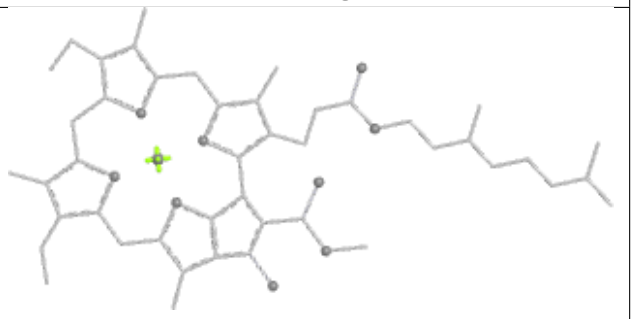
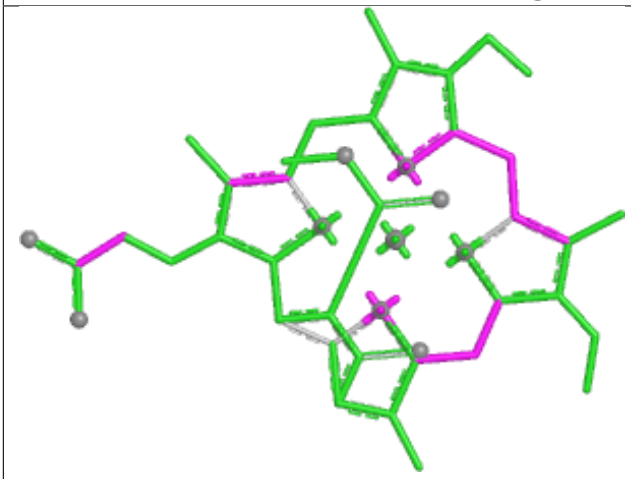


Rings

Ligand KC2 b 609



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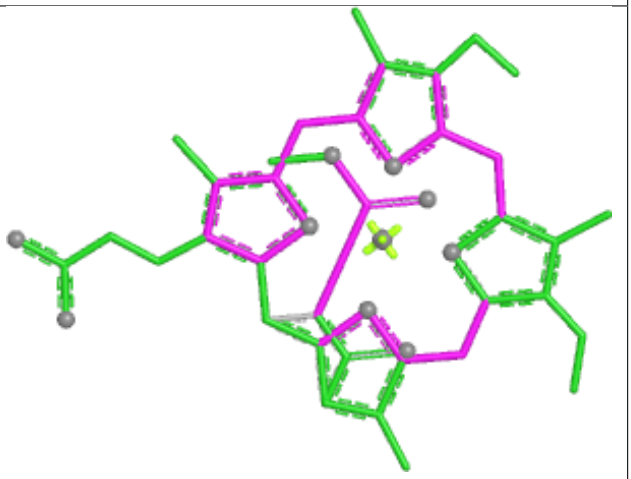

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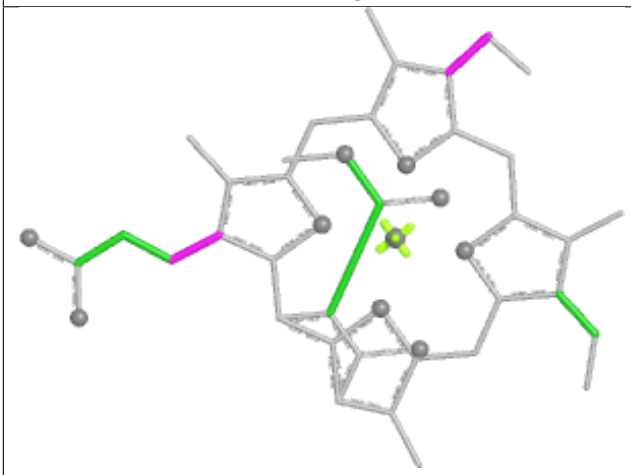

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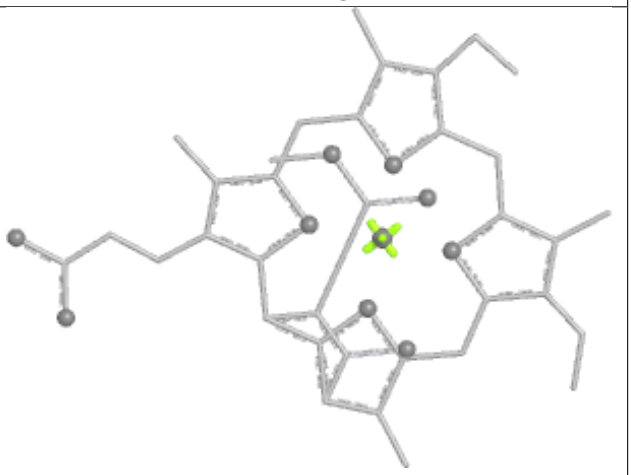
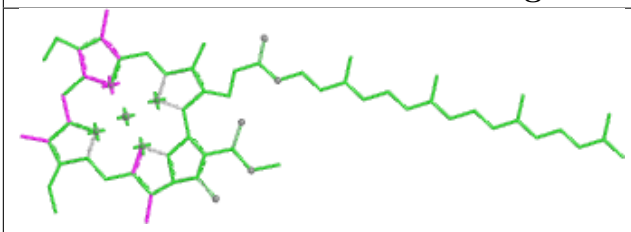


Rings

Ligand CLA B 808



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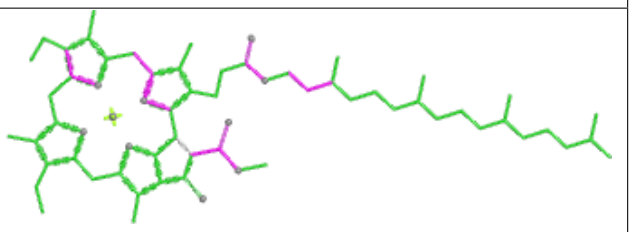
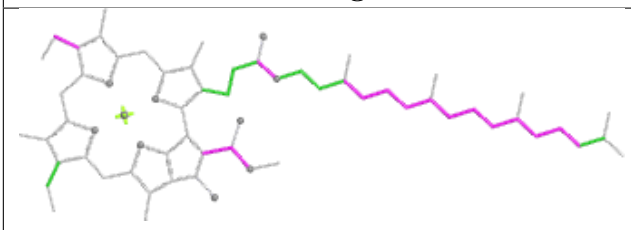
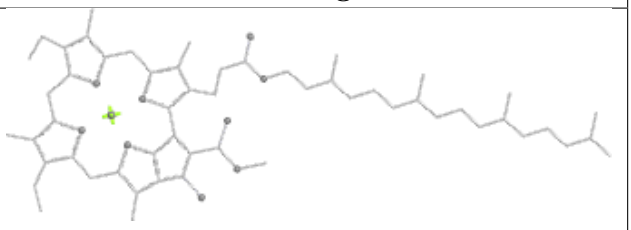


Bond angles

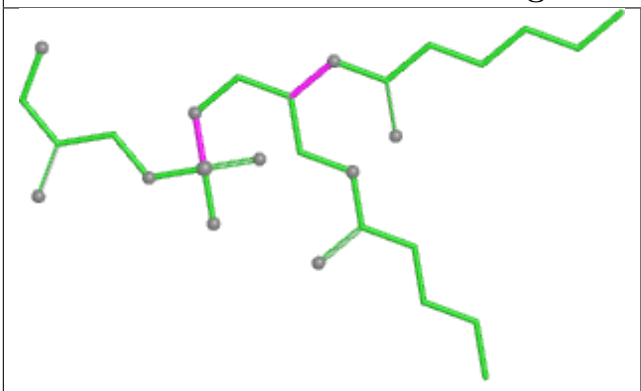


Torsions

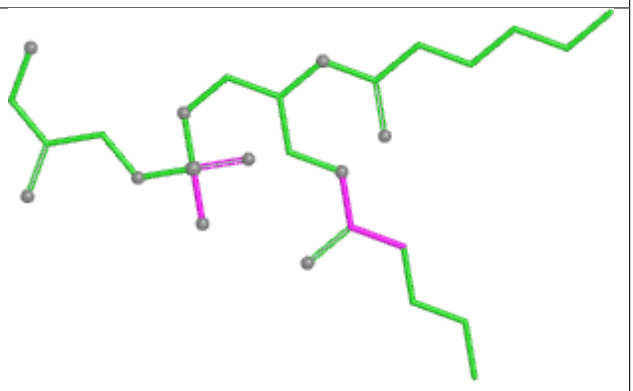


Rings

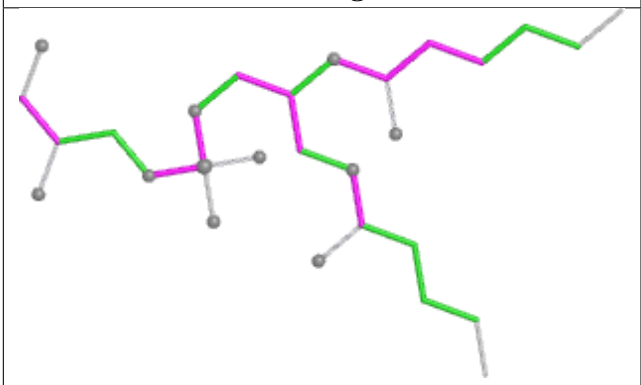
Ligand LHG e 617



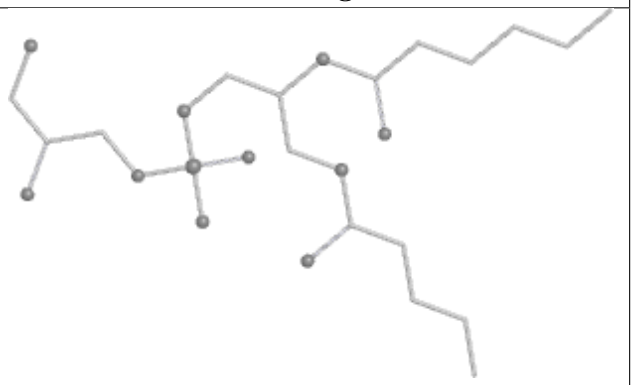
Bond lengths



Bond angles

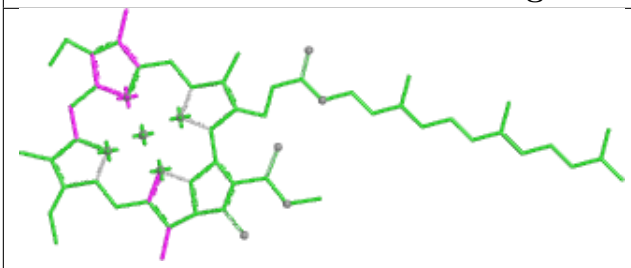


Torsions

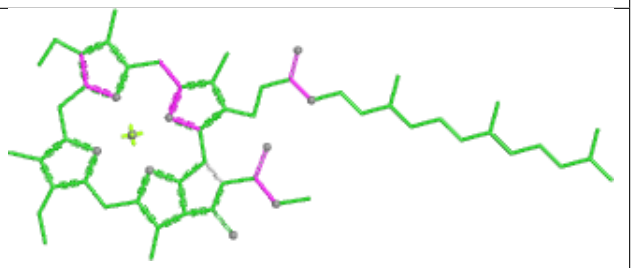


Rings

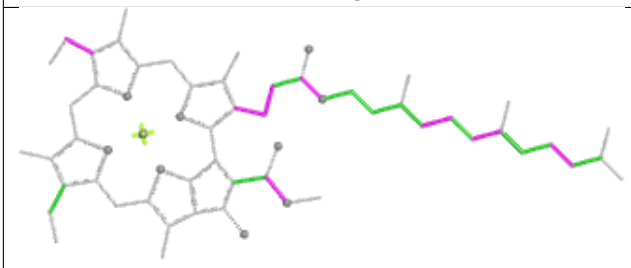
Ligand CLA Z 302



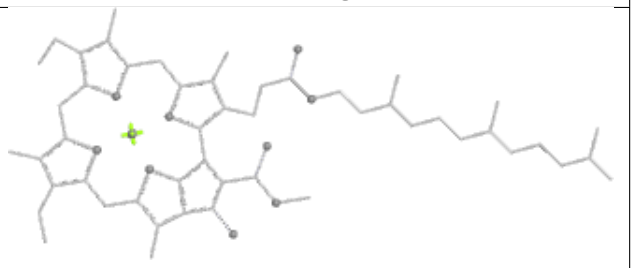
Bond lengths



Bond angles

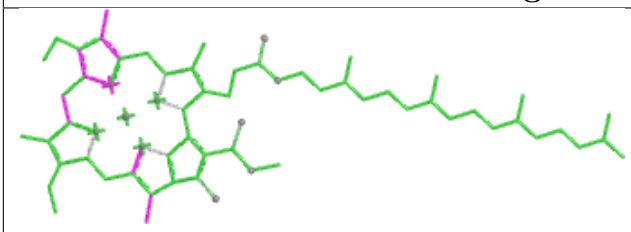


Torsions

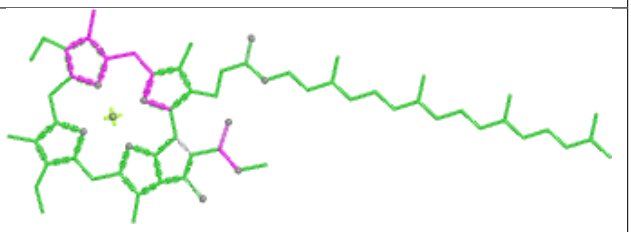


Rings

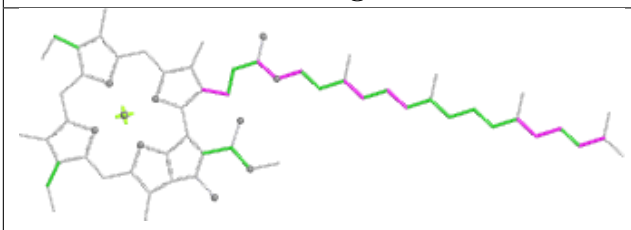
Ligand CLA A 817



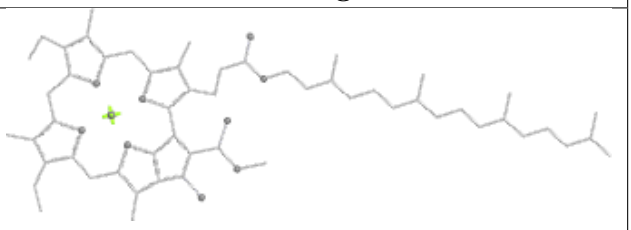
Bond lengths



Bond angles

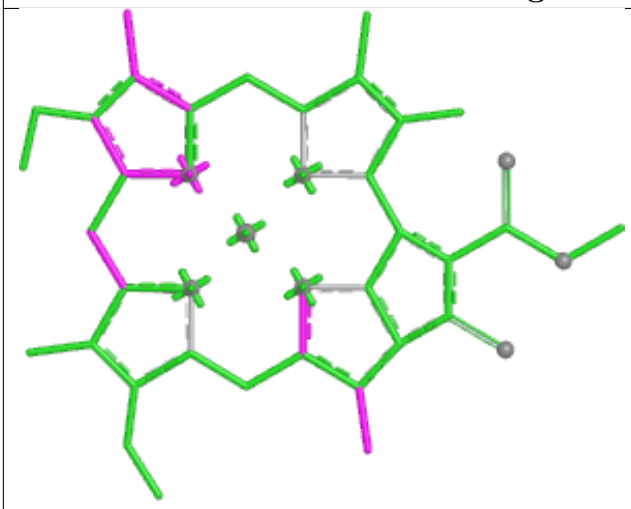


Torsions

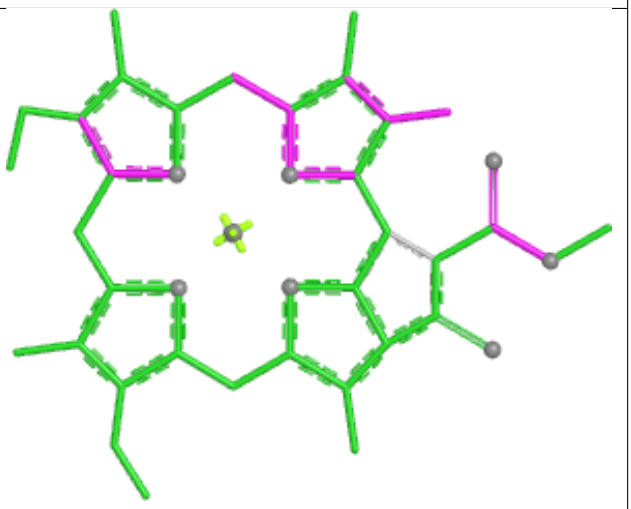


Rings

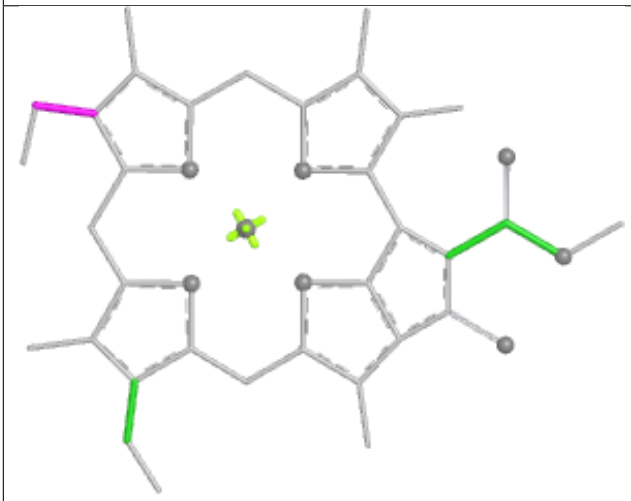
Ligand CLA d 609



Bond lengths



Bond angles



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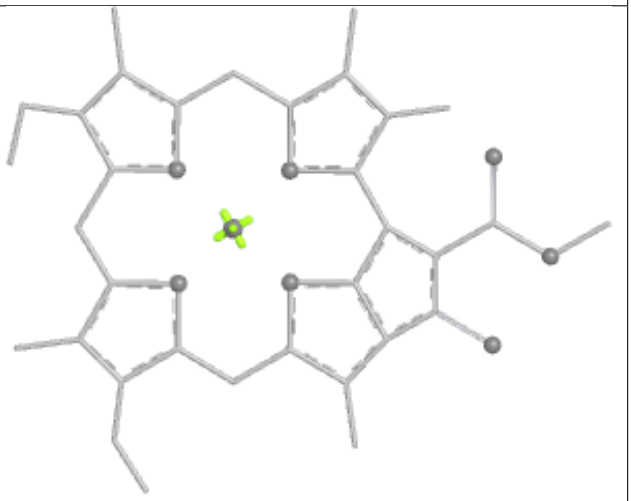
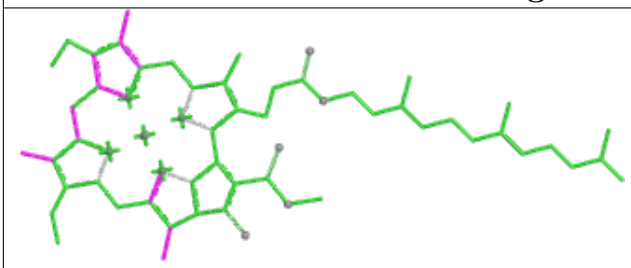


Rings

Ligand CLA d 604



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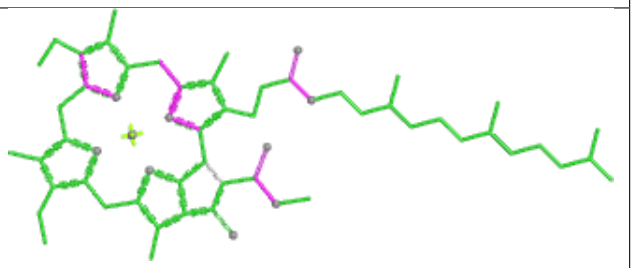
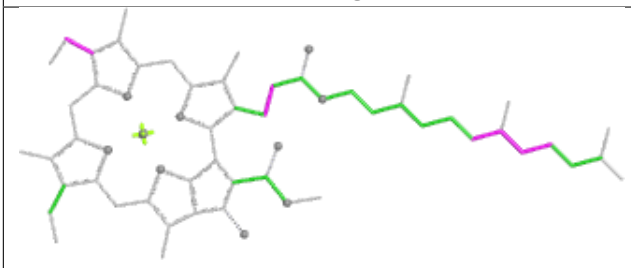


Bond angles



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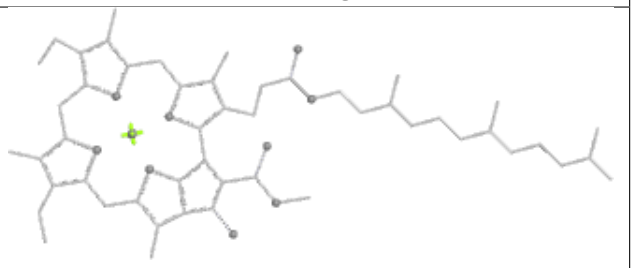
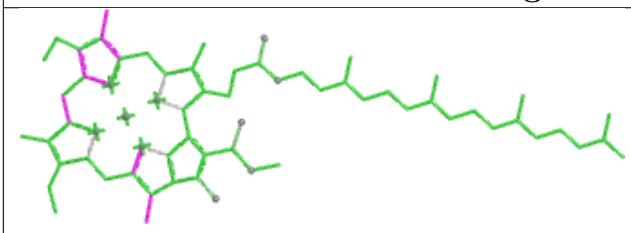
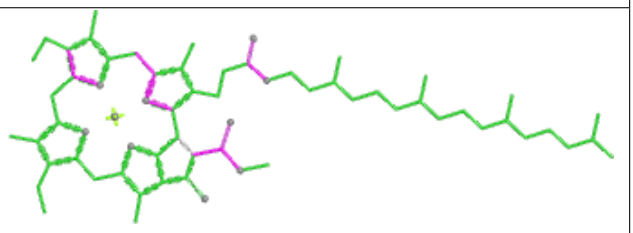


Rings

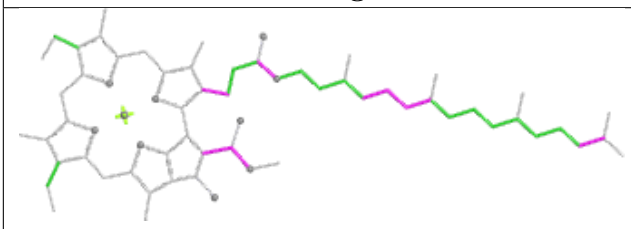
Ligand CLA A 810



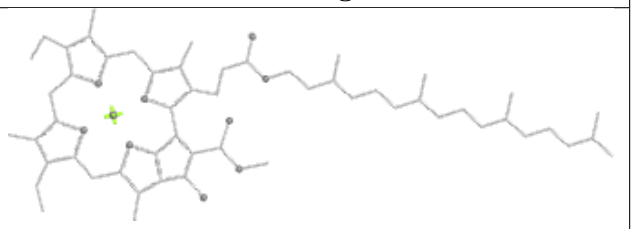
Bond lengths



Bond angles

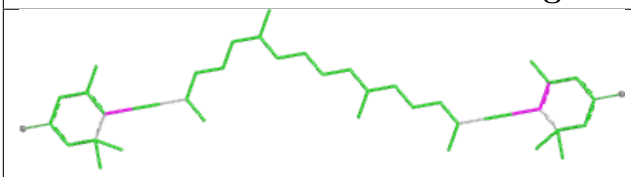


Torsions



Rings

Ligand II0 c 621



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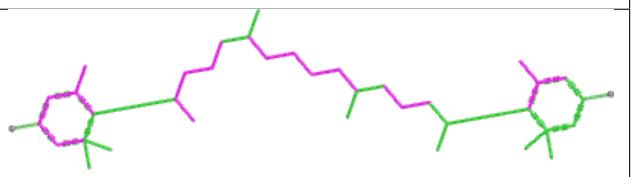
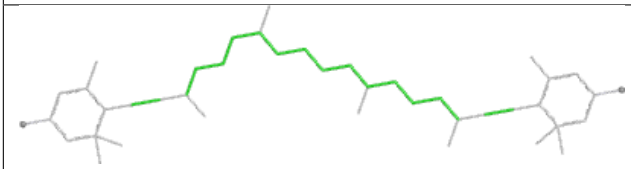


Bond angles



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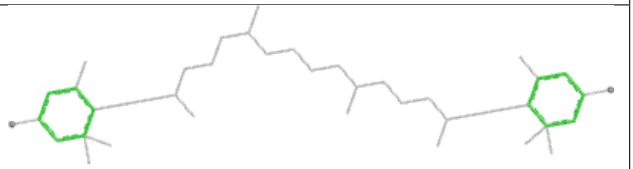
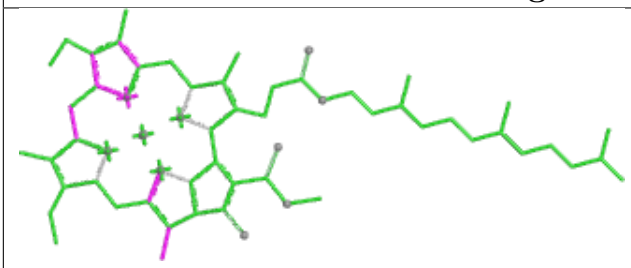
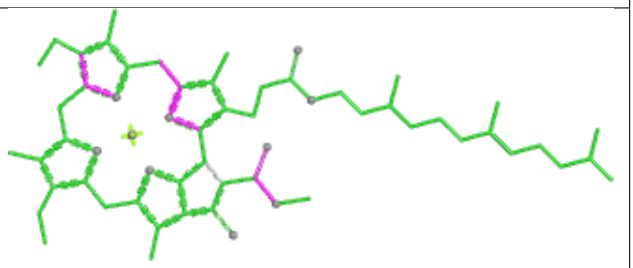


Rings

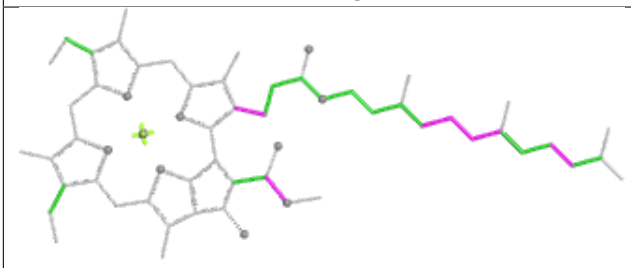
Ligand CLA a 603



Bond lengths



Bond angles



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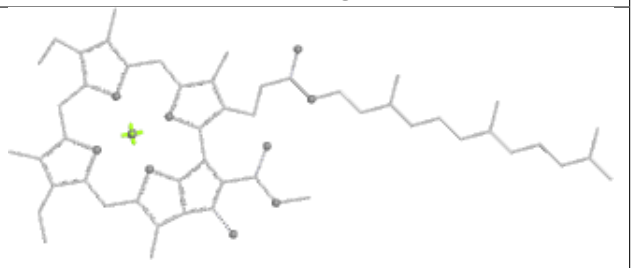
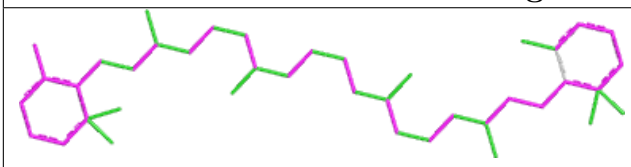


Rings

Ligand 8CT K 103



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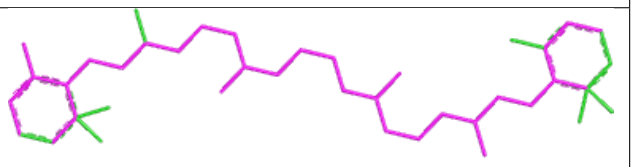
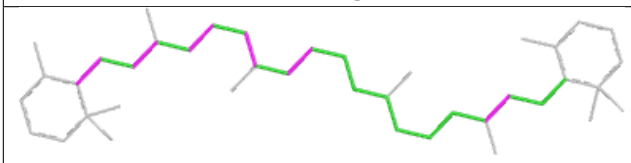


Bond angles



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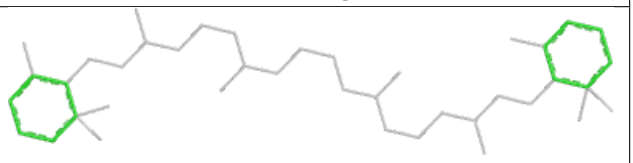
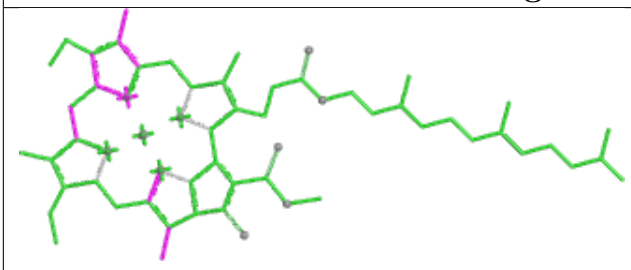
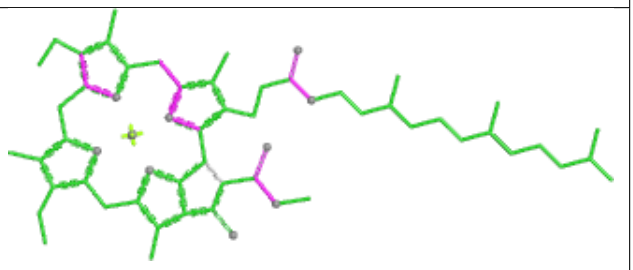


Rings

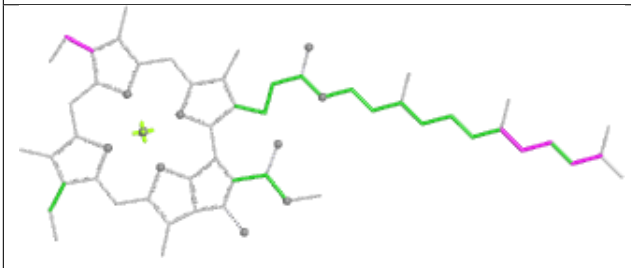
Ligand CLA B 811



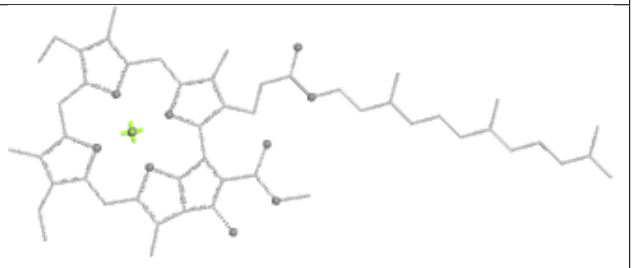
Bond lengths



Bond angles

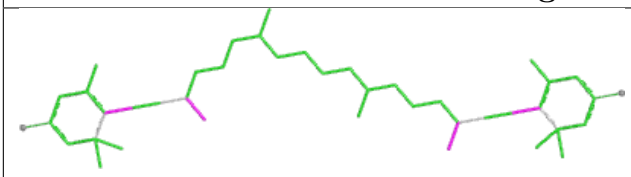


Torsions



Rings

Ligand II0 R 204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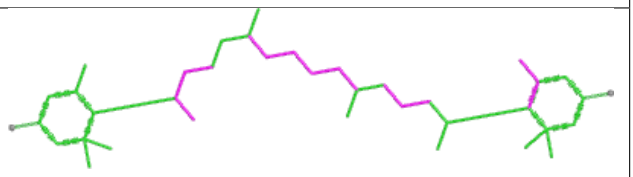
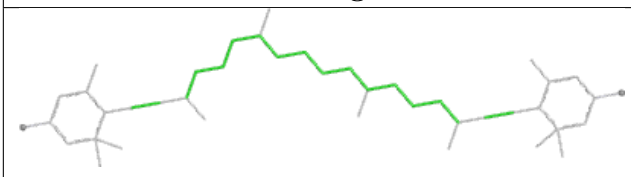

Bond angles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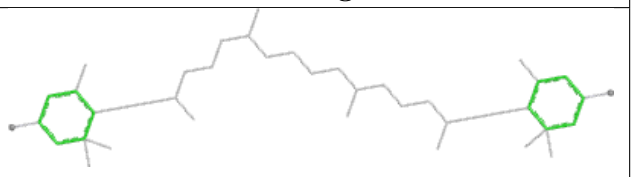
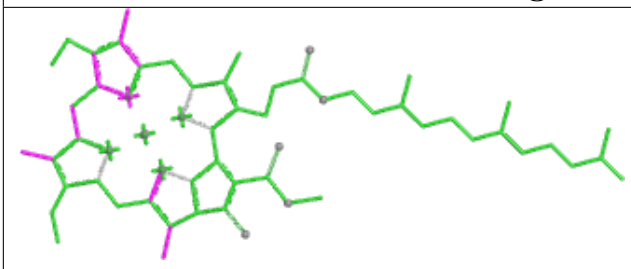

Rings

Ligand CLA 4 607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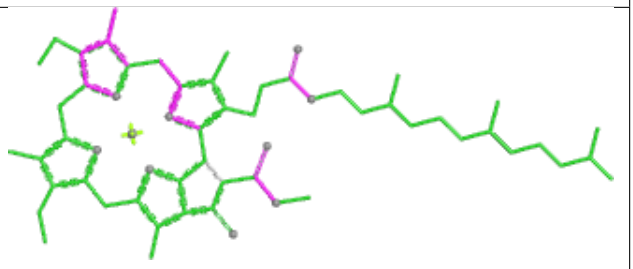
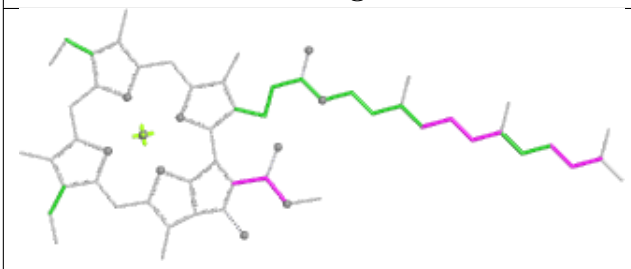
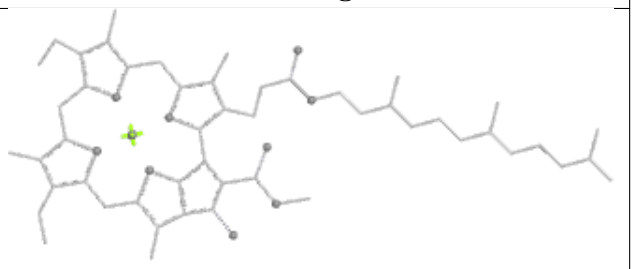
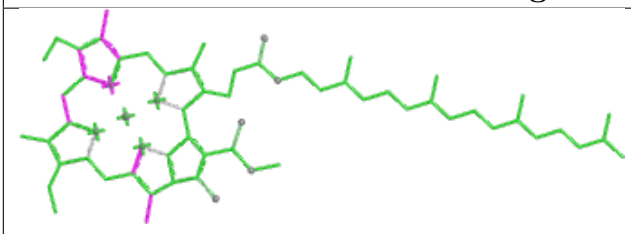
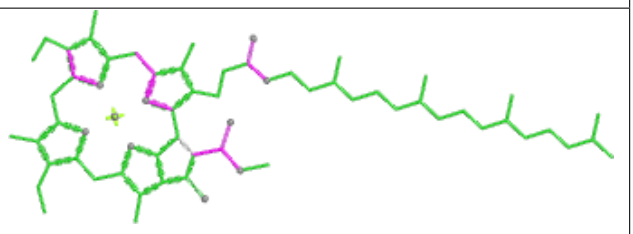

Bond angles

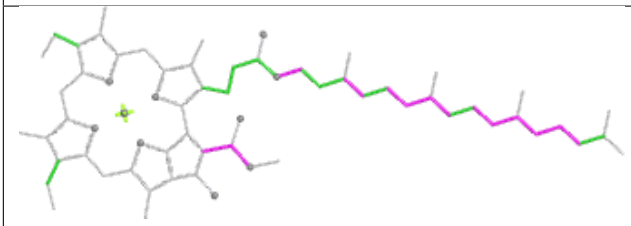

Torsions

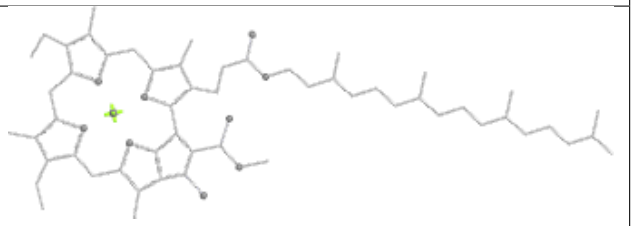

Rings

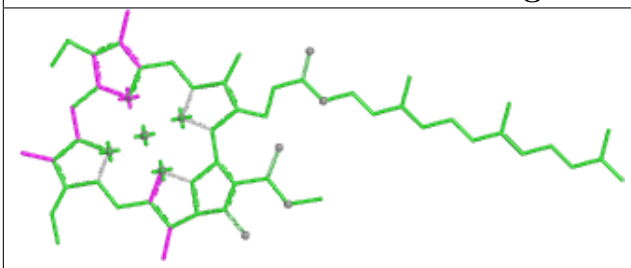
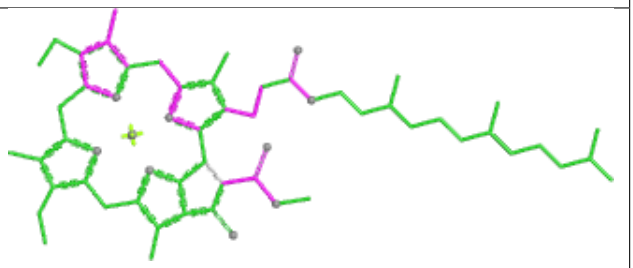
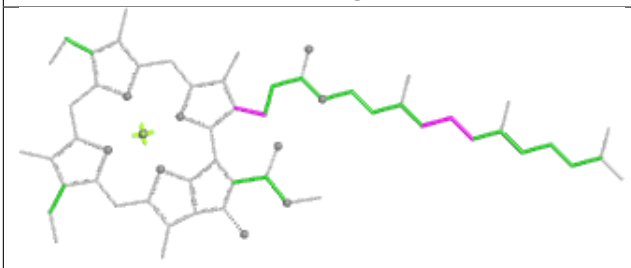
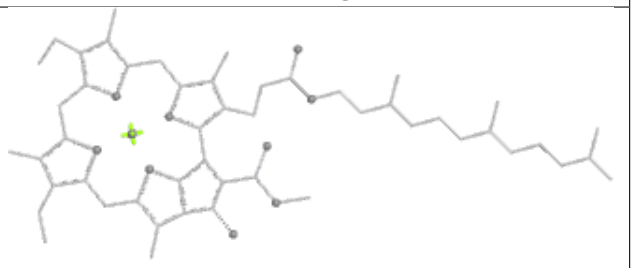
Ligand CLA c 602

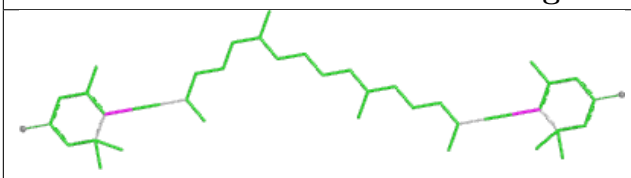
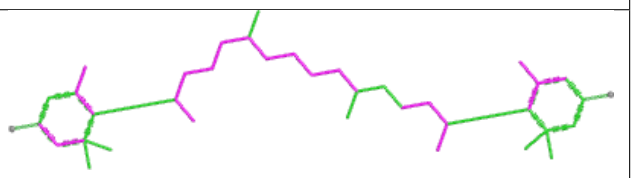
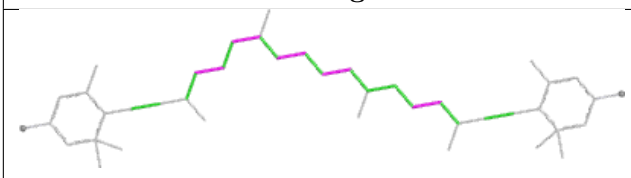
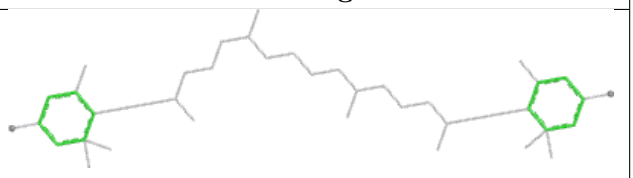

Bond lengths


Bond angles

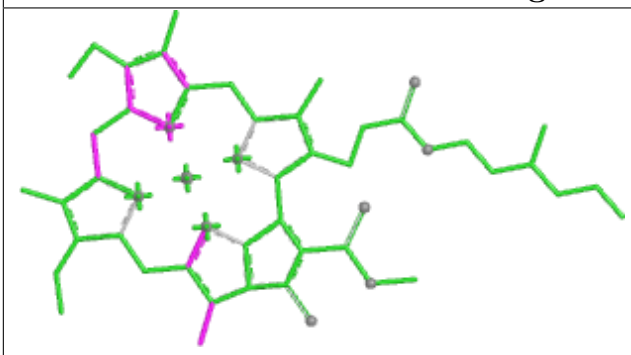

Torsions


Rings

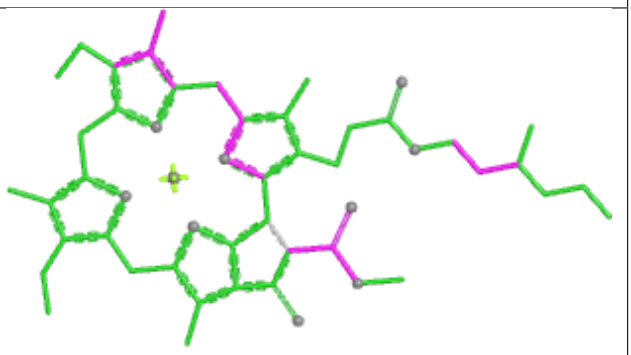
Ligand CLA A 835	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand II0 8 311	
	
Bond lengths	Bond angles
	
Torsions	Rings

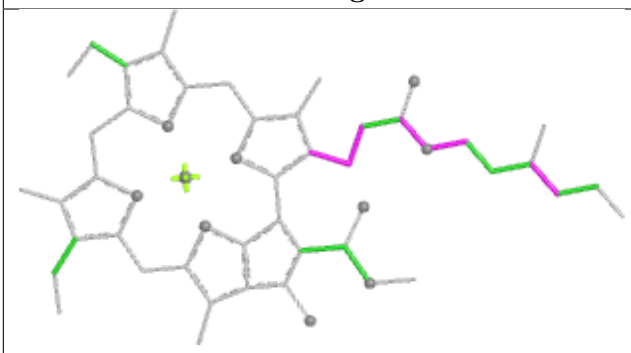
Ligand CLA 1 603



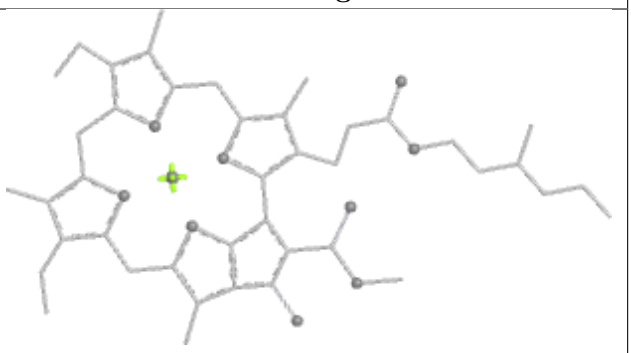
Bond lengths



Bond angles

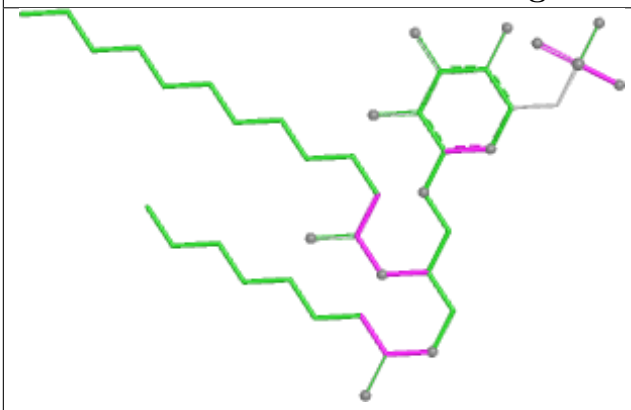


Torsions



Rings

Ligand SQD a 618



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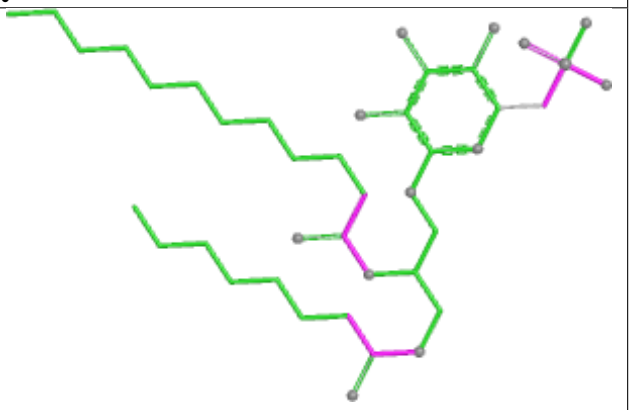
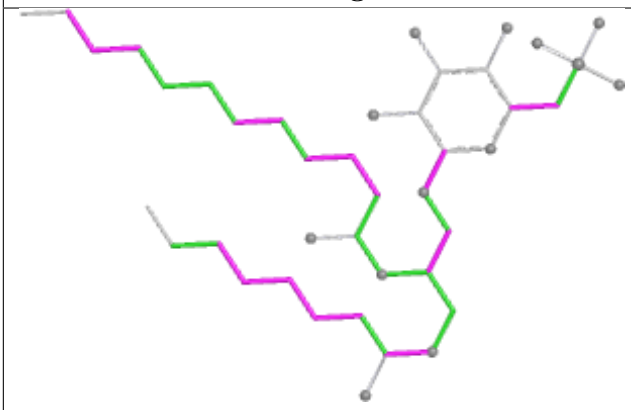


Bond angles



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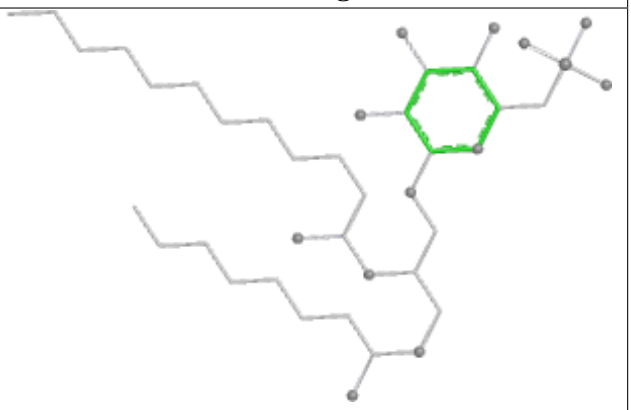
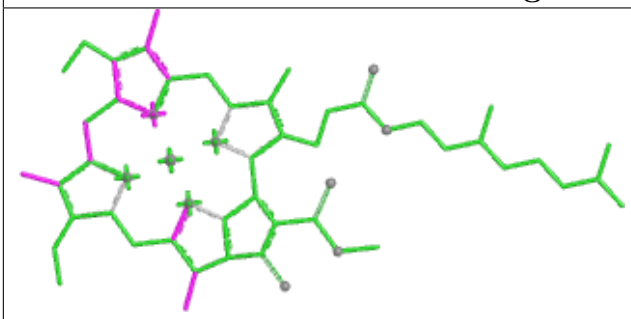


Rings

Ligand CLA R 202



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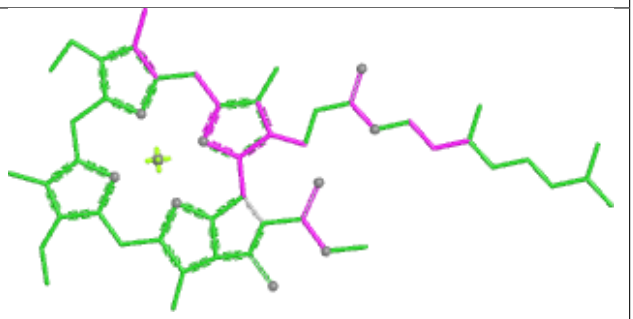

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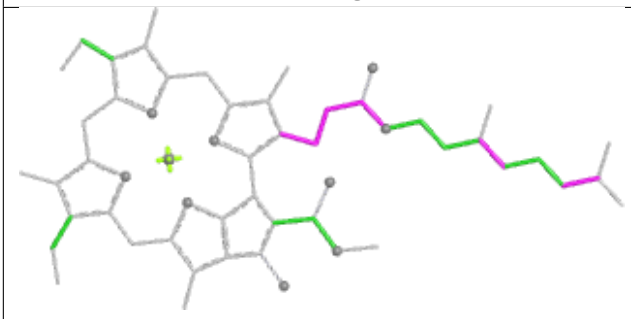

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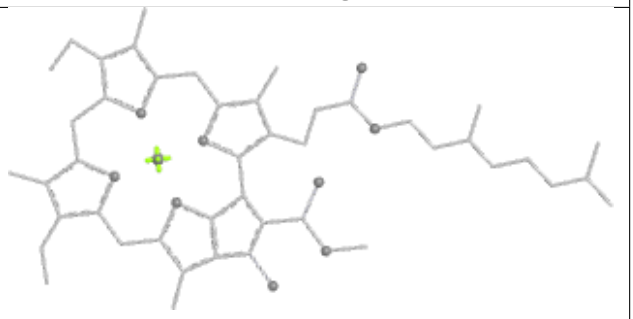
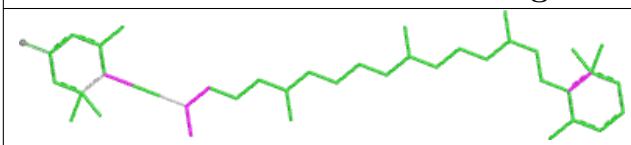


Rings

Ligand IHT L 204



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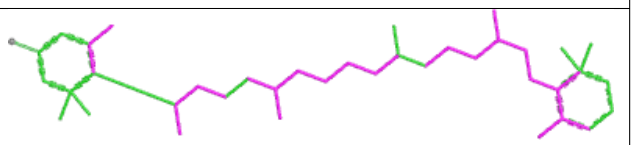

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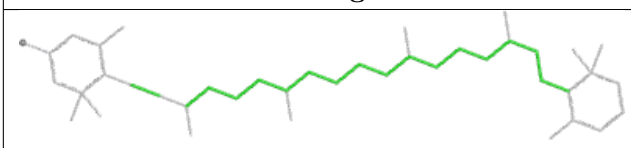

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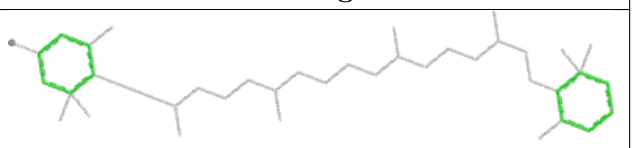
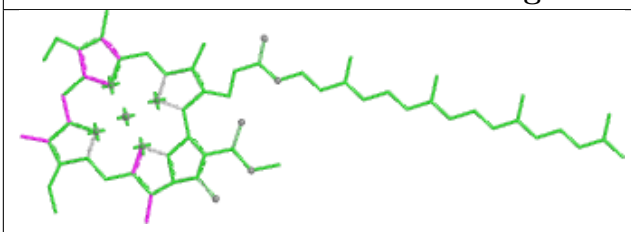


Rings

Ligand CLA A 804



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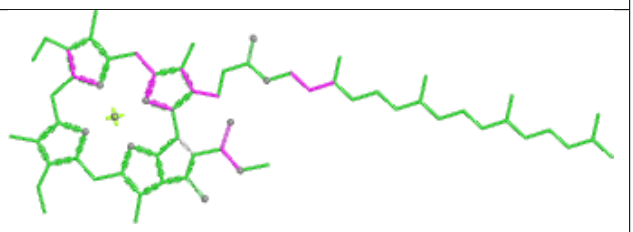
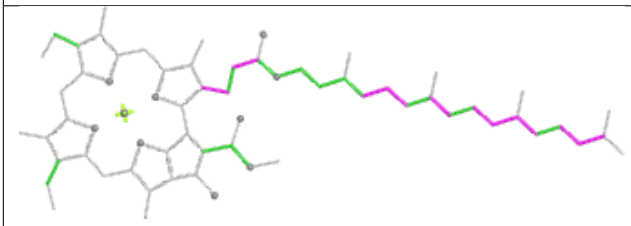


Bond angles



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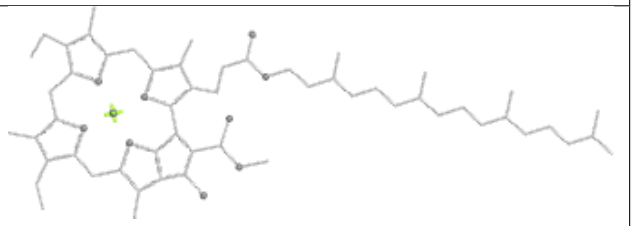
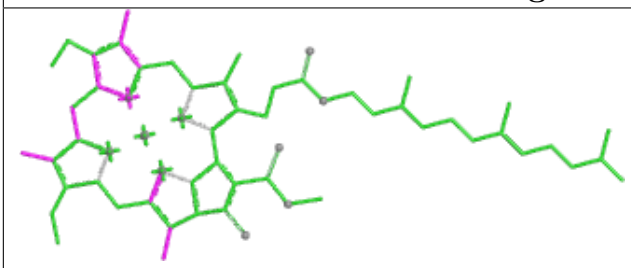
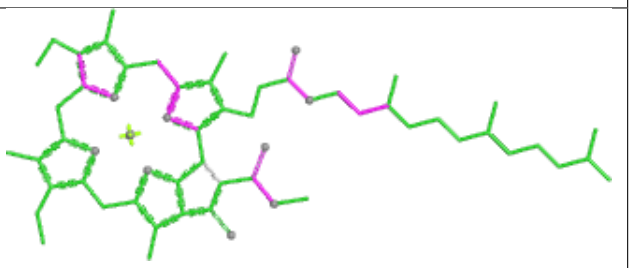
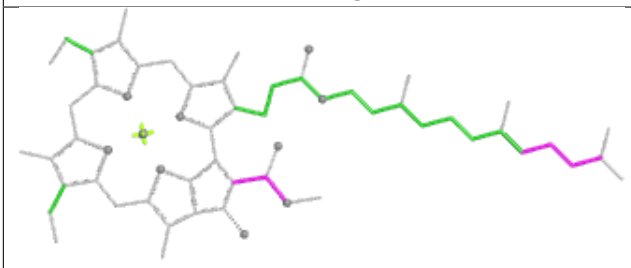
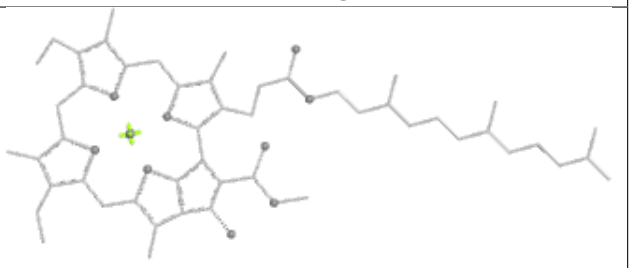
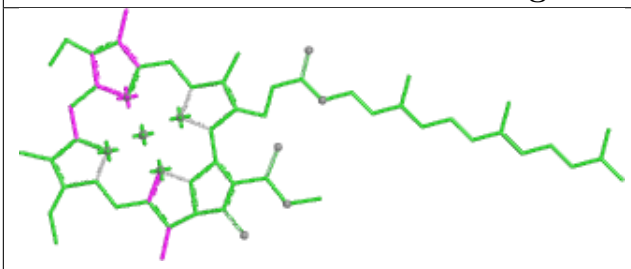
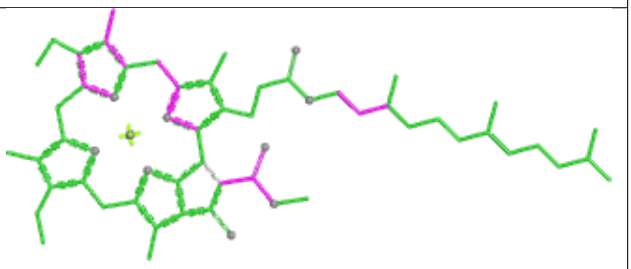
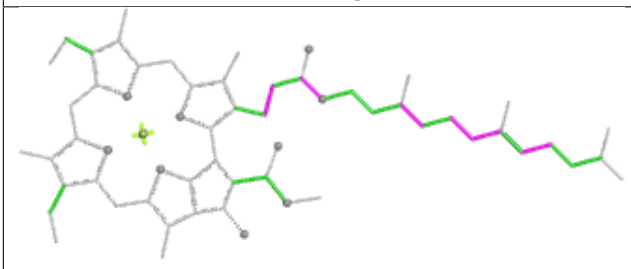
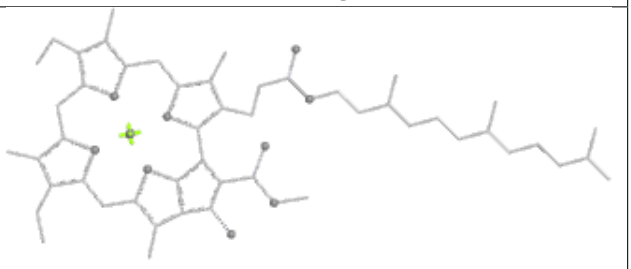
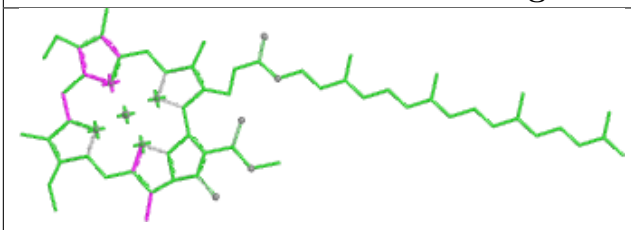


Rings

Ligand CLA 2 608	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA e 606	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA 4 610



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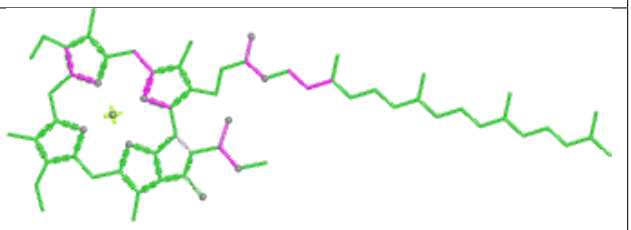
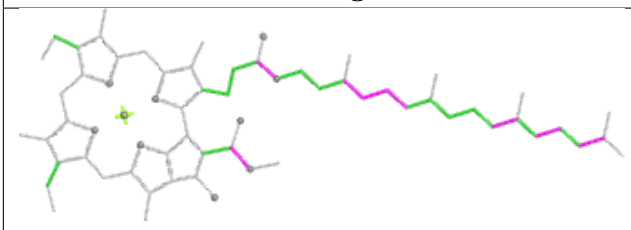
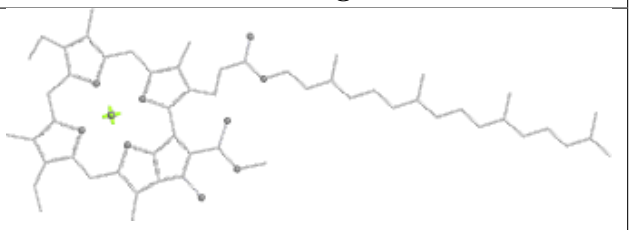


Bond angles

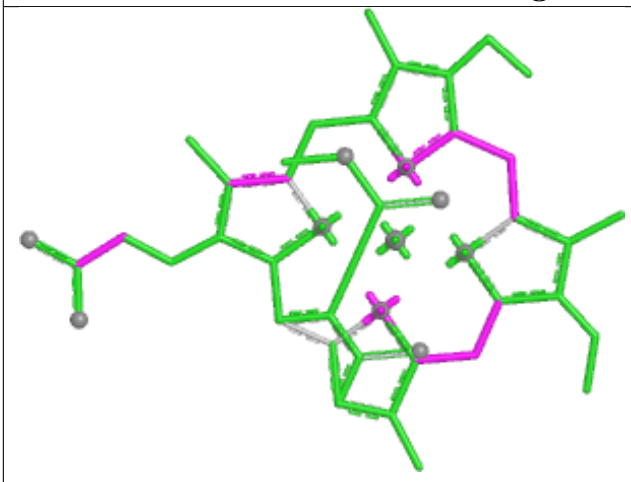


Torsions



Rings

Ligand KC2 e 605



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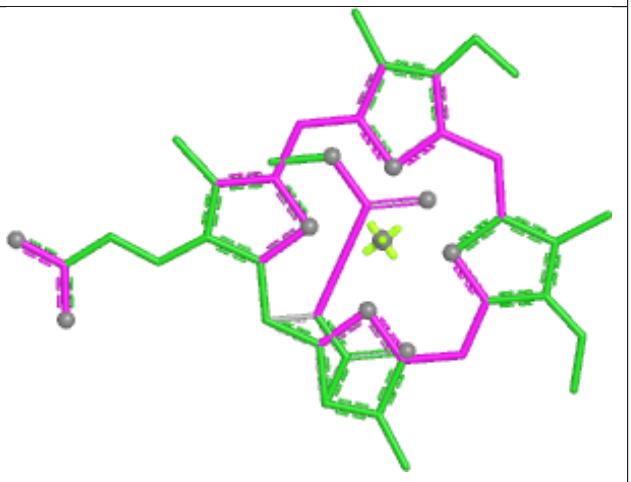
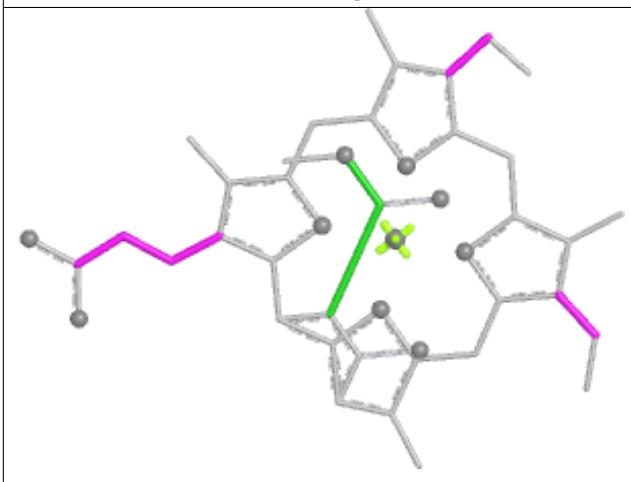
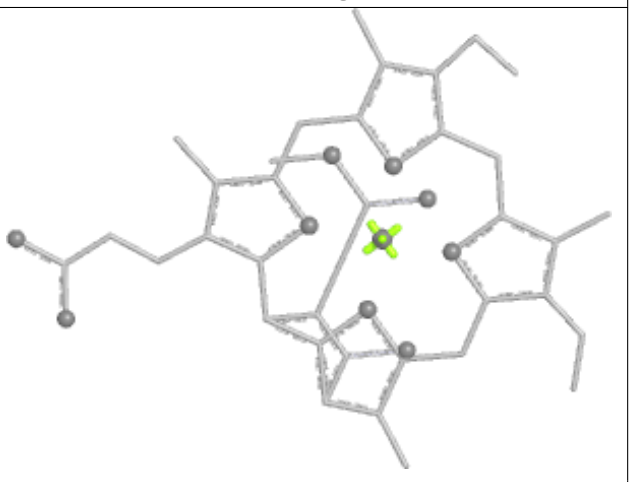


Bond angles

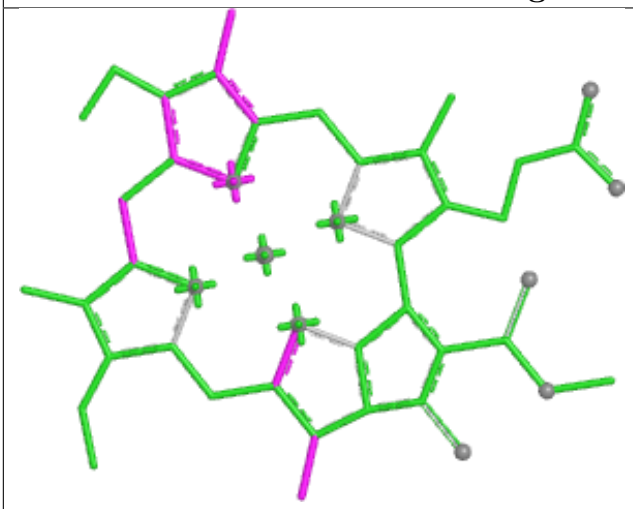


Torsions



Rings

Ligand CLA 1 607



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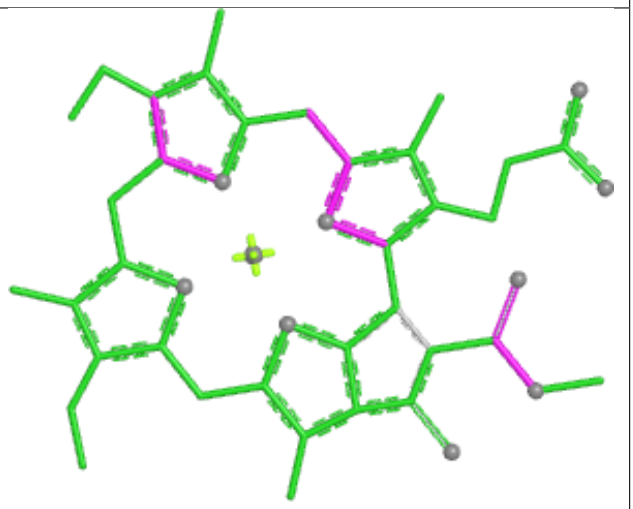
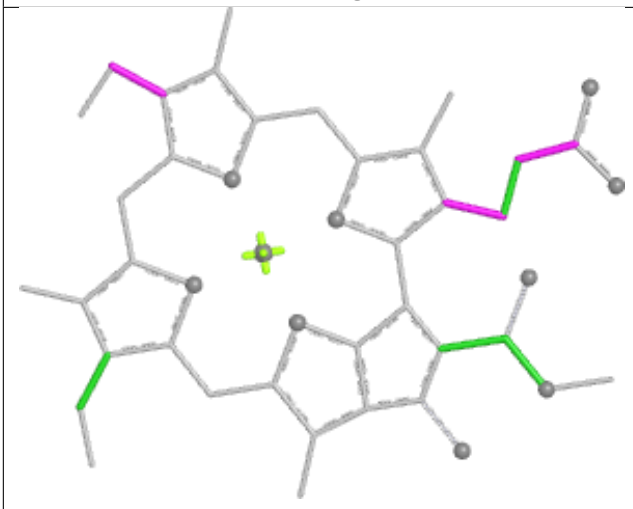


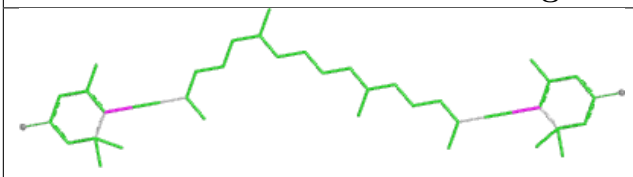
Bond angles



Torsions

Rings

Ligand II0 b 612



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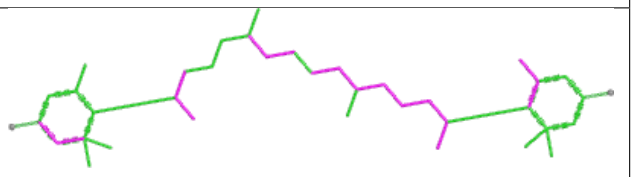
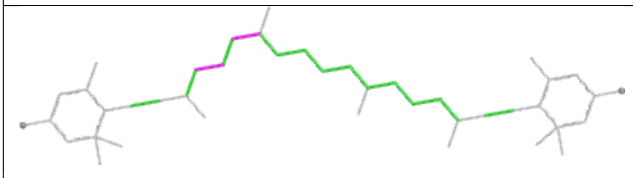


Bond angles



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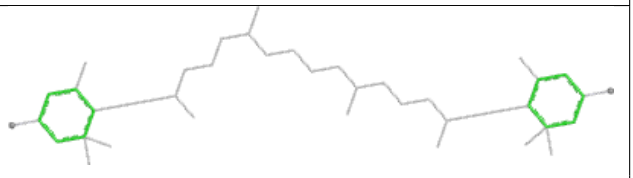
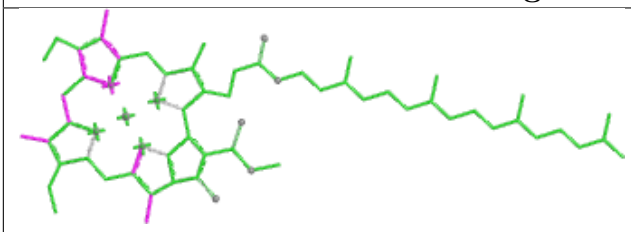


Rings

Ligand CLA A 838



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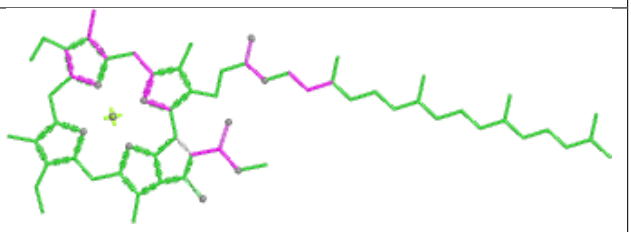
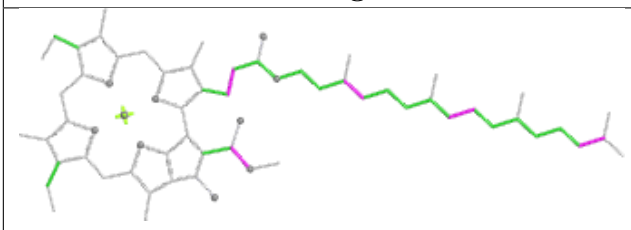


Bond angles



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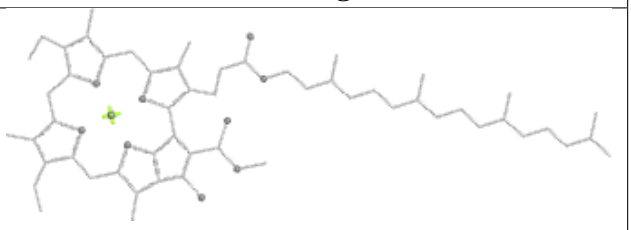
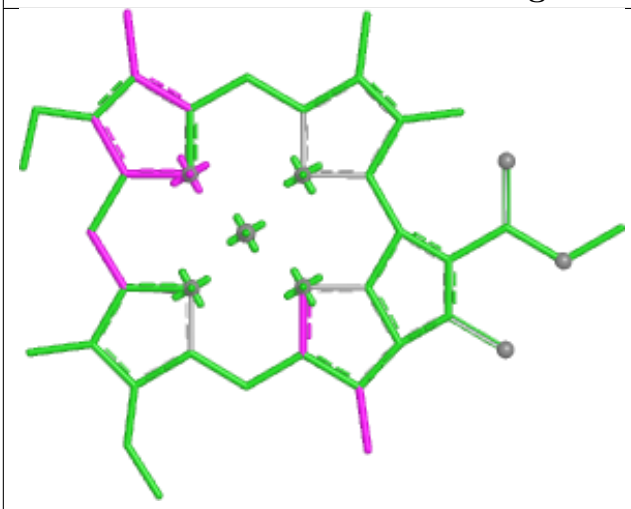


Rings

Ligand CLA 9 310



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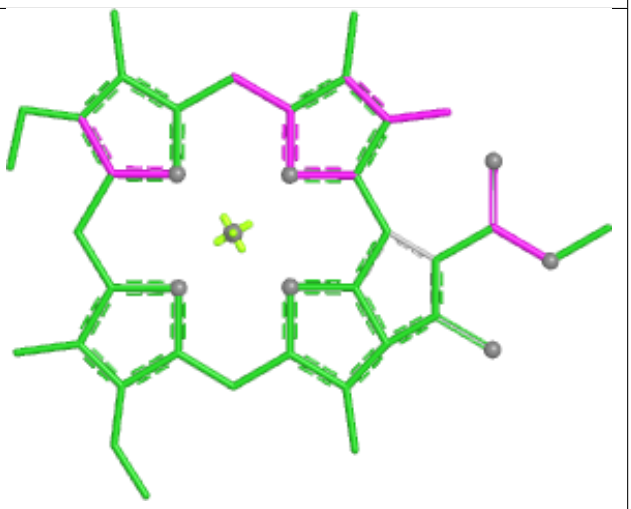
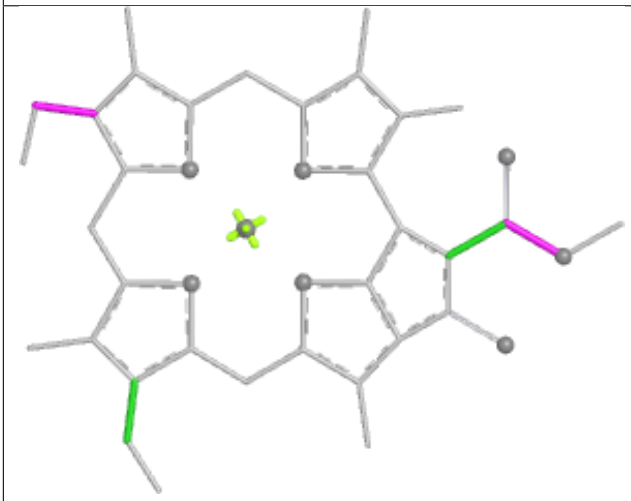
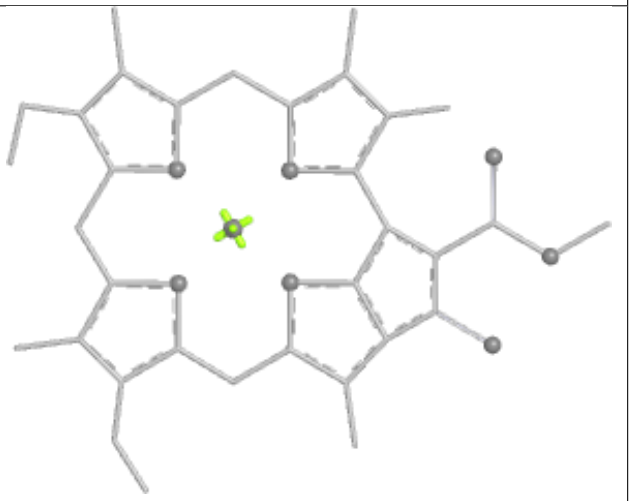


Bond angles

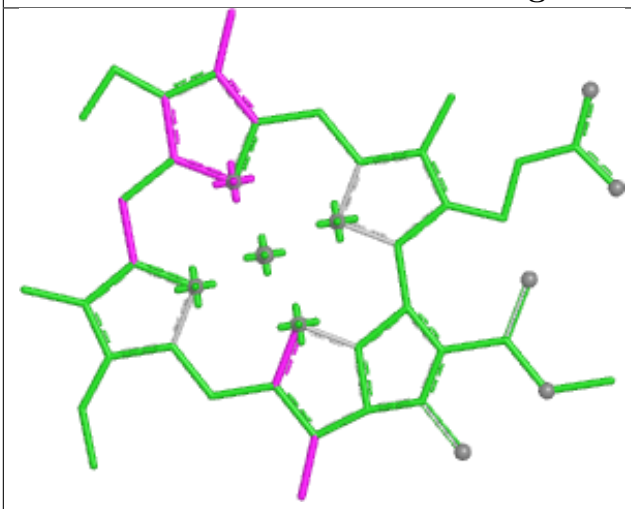


Torsions

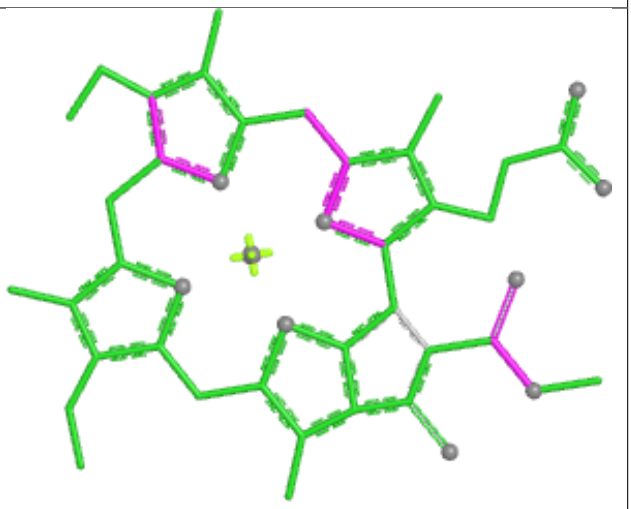


Rings

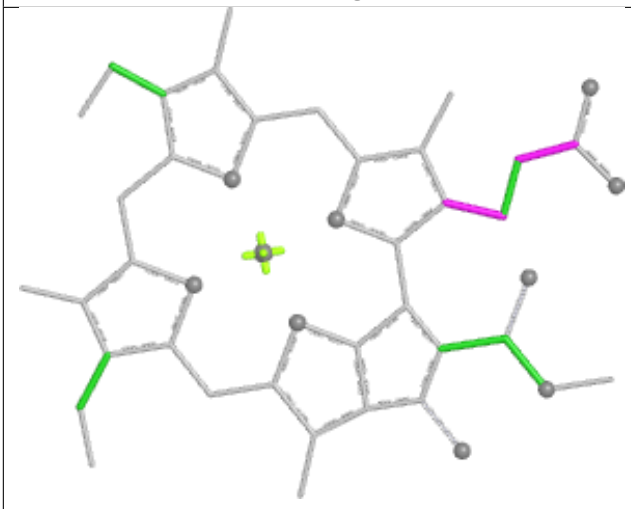
Ligand CLA 5 606



Bond lengths



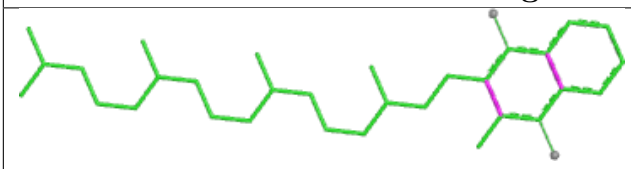
Bond angles



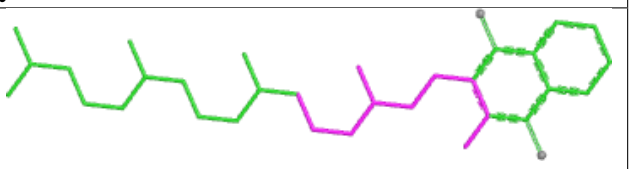
Torsions

Rings

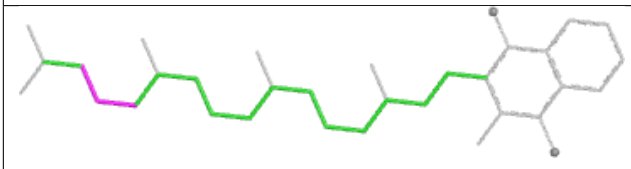
Ligand PQN A 849



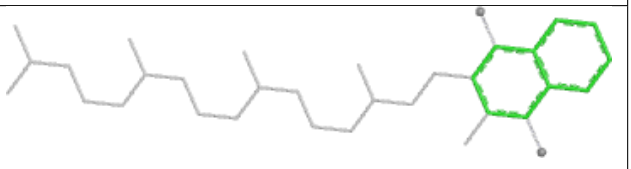
Bond lengths



Bond angles

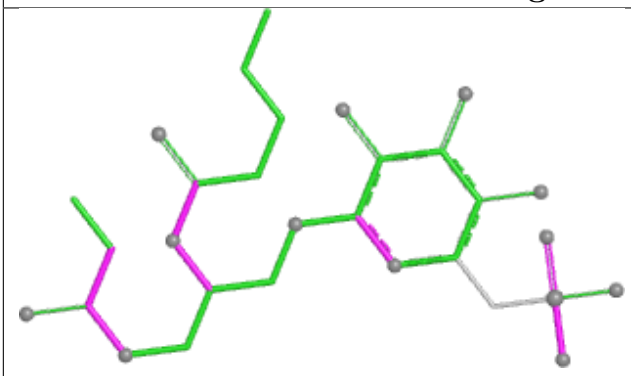


Torsions

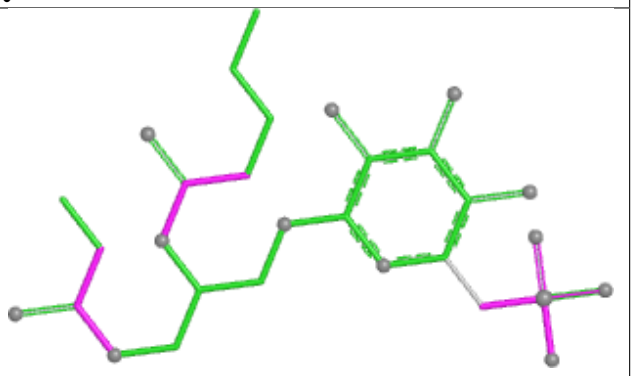


Rings

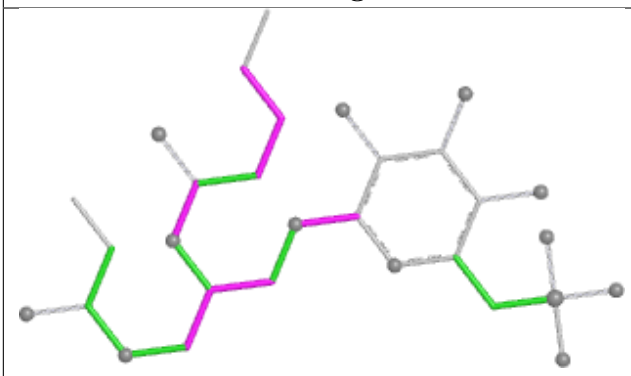
Ligand SQD 9 301



Bond lengths



Bond angles



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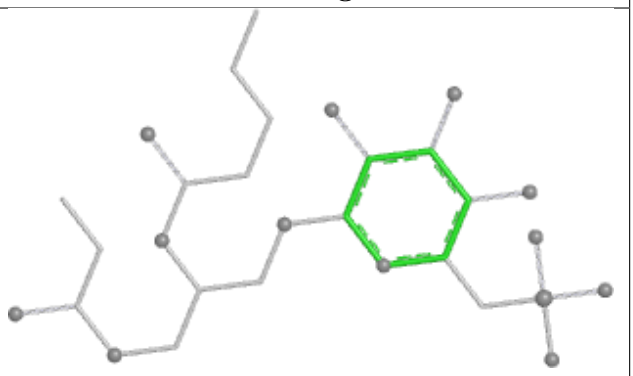
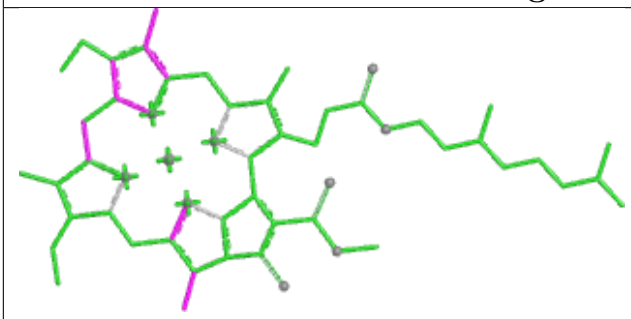
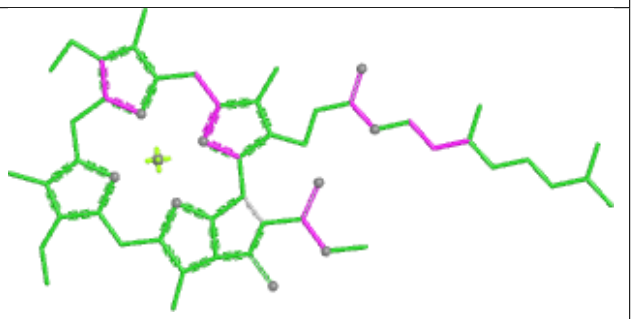


Rings

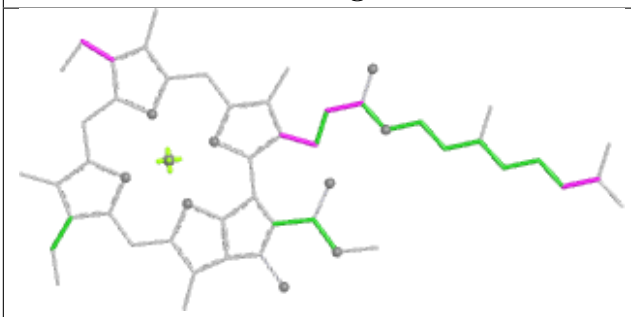
Ligand CLA 3 306



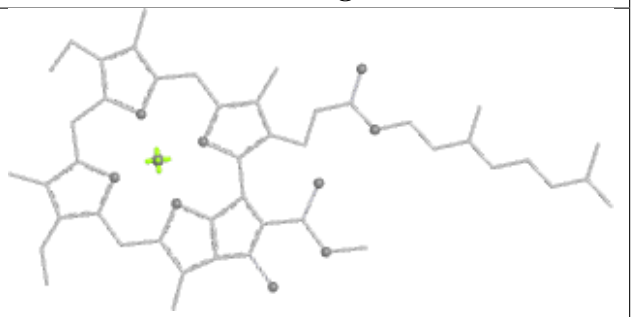
Bond lengths



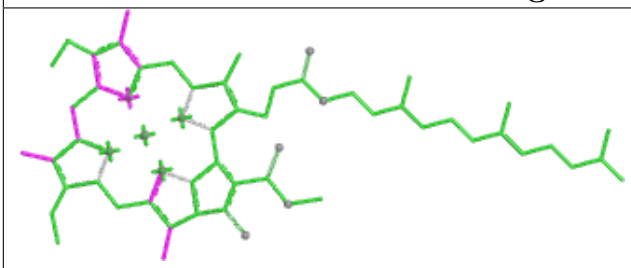
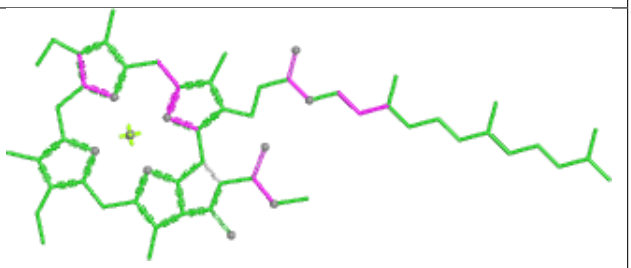
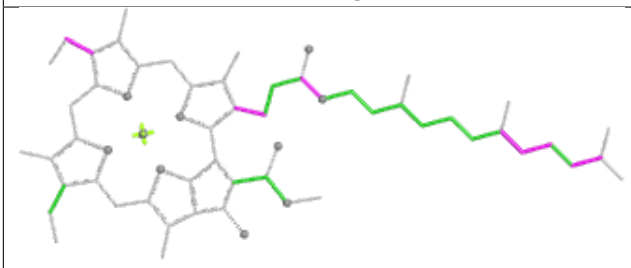
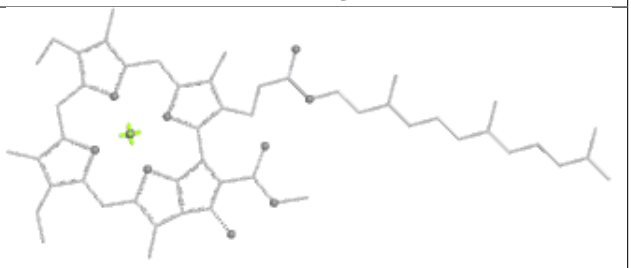
Bond angles

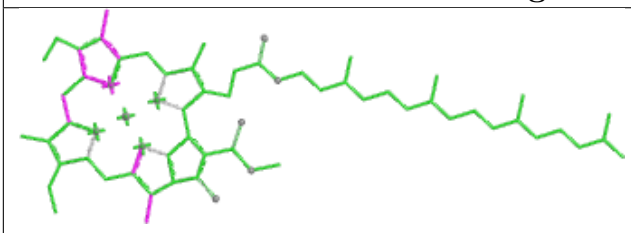
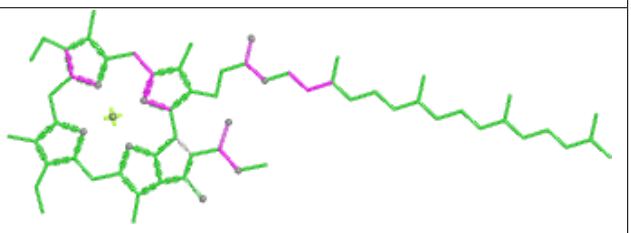
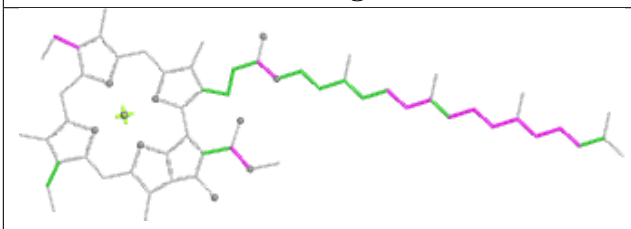
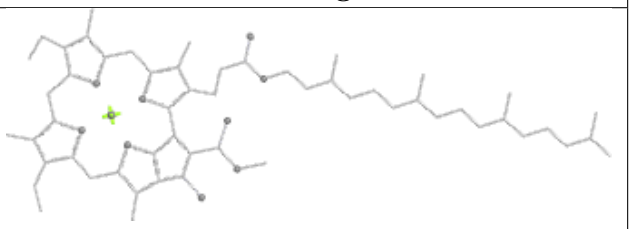


Torsions

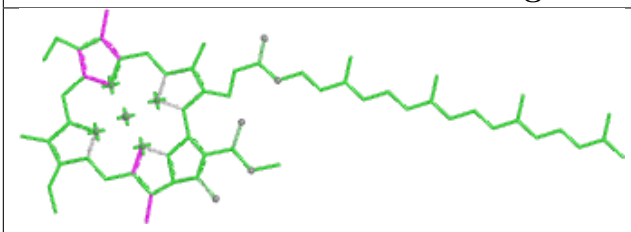


Rings

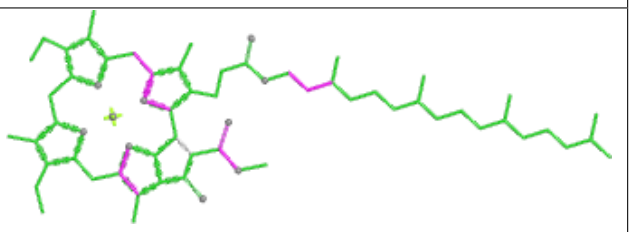
Ligand CLA a 609	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA 8 302	
	
Bond lengths	Bond angles
	
Torsions	Rings

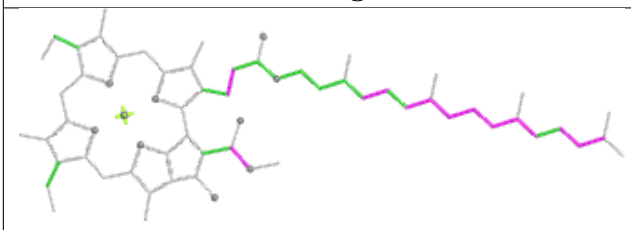
Ligand CLA B 829



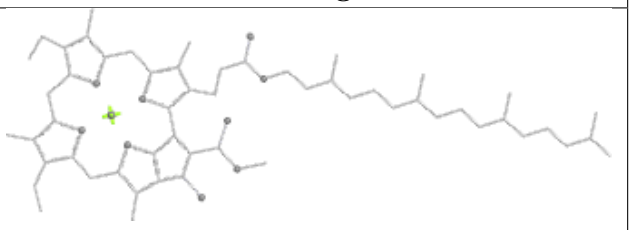
Bond lengths



Bond angles

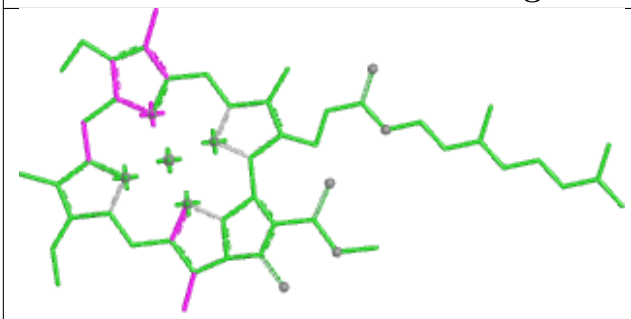


Torsions

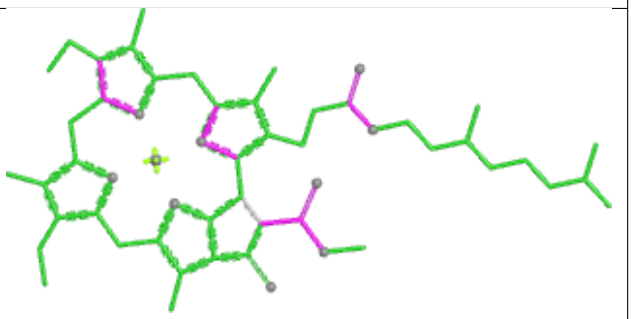


Rings

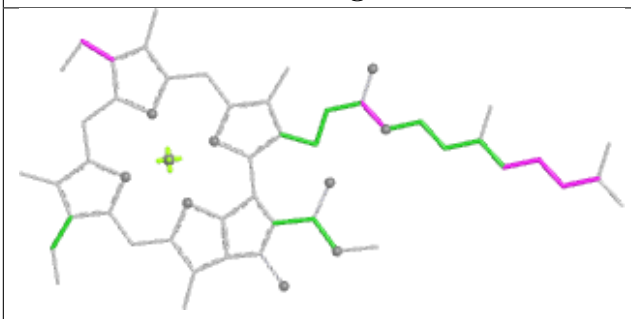
Ligand CLA A 836



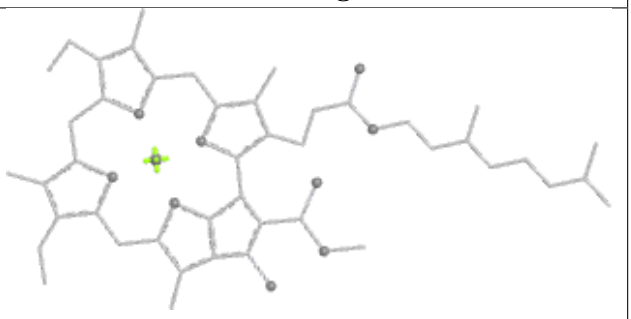
Bond lengths



Bond angles

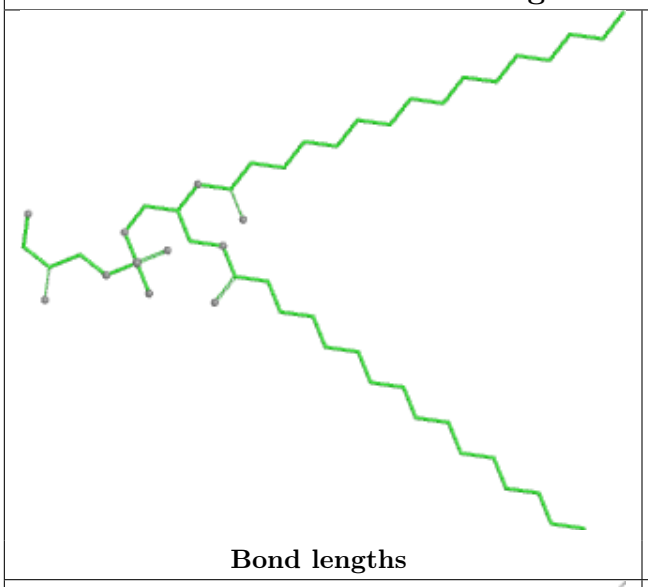


Torsions



Rings

Ligand LHG 8 316



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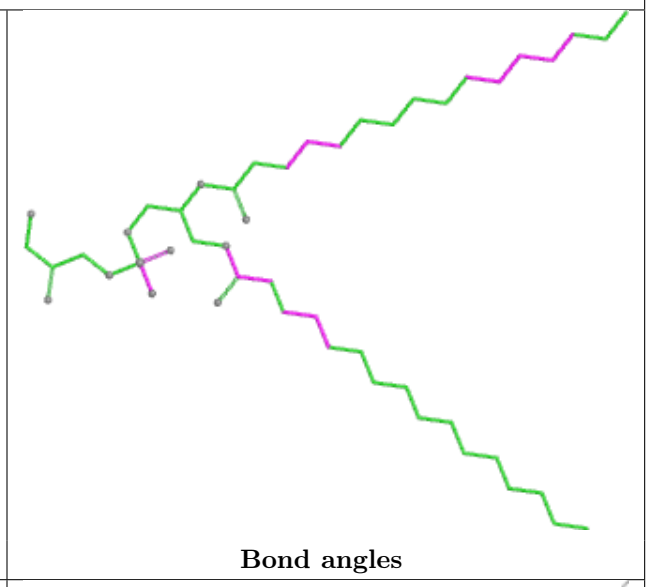
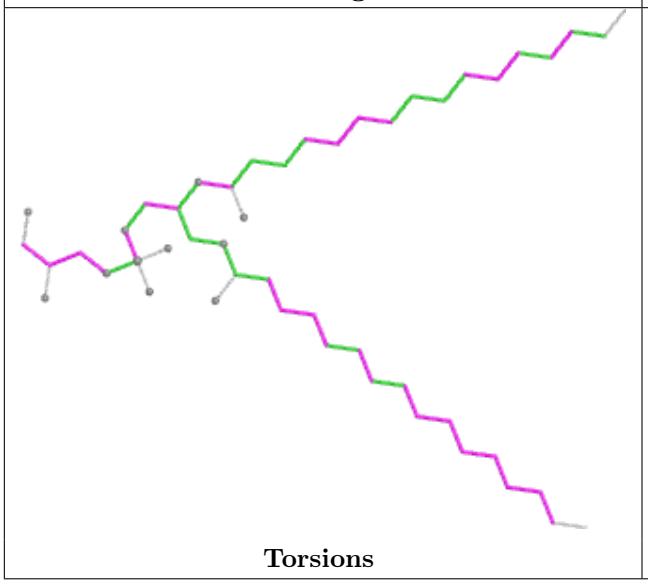


Bond angles



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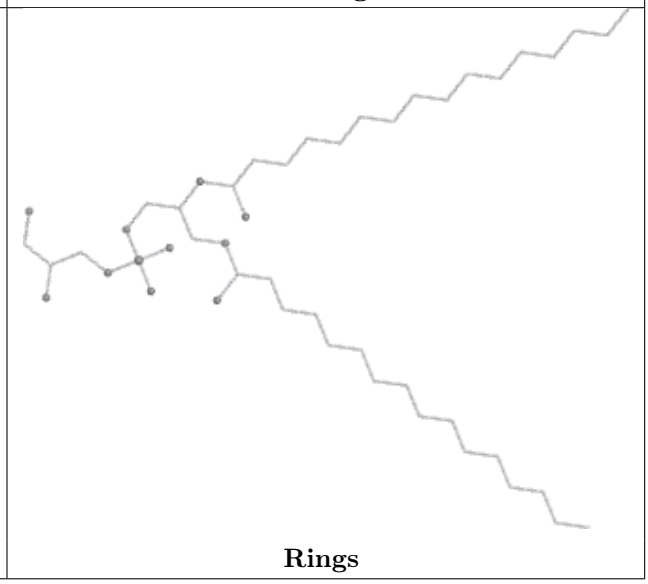
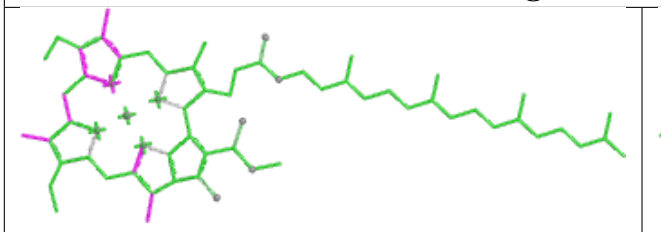
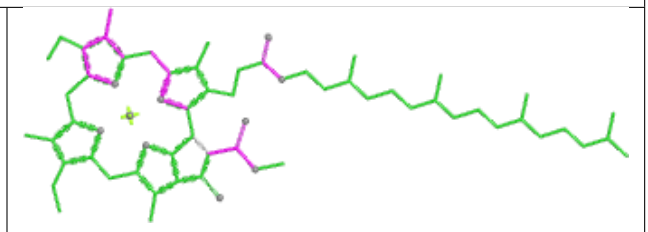


Rings

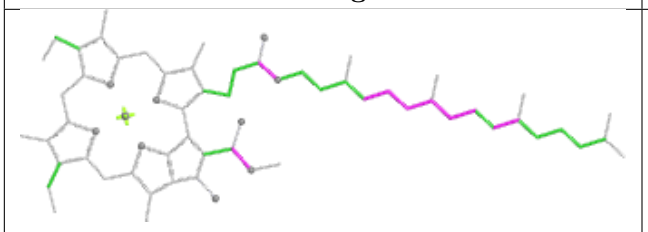
Ligand CLA A 823



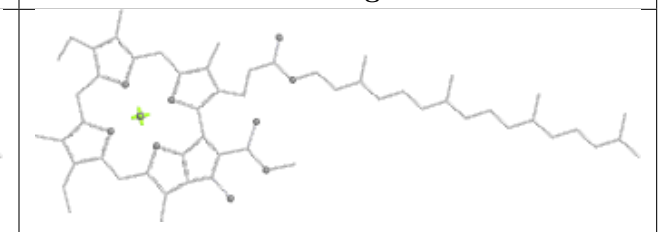
Bond lengths



Bond angles

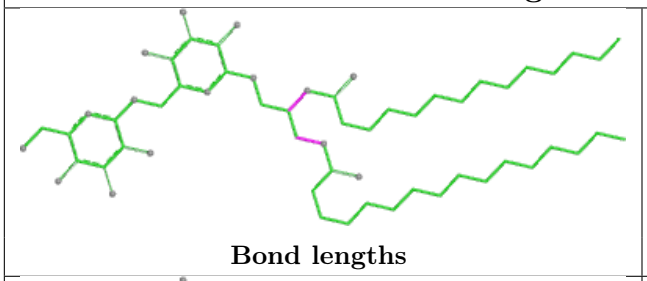


Torsions



Rings

Ligand DGD 9 322



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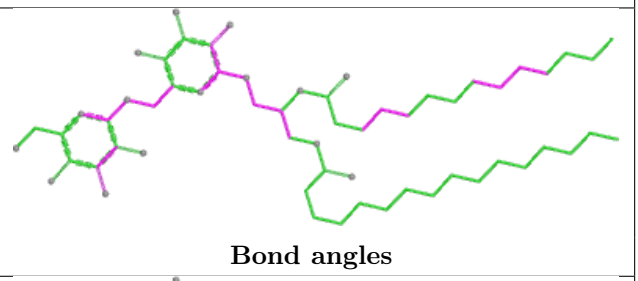
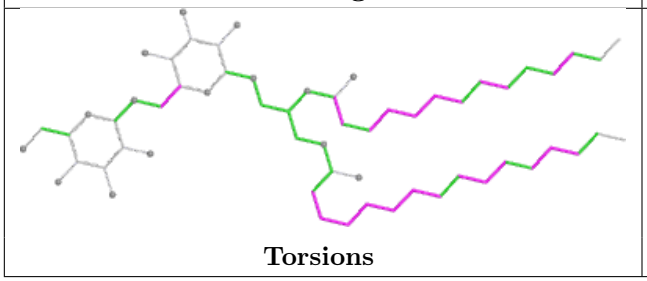


Bond angles



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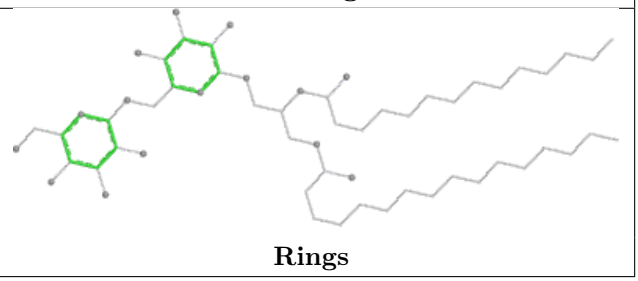
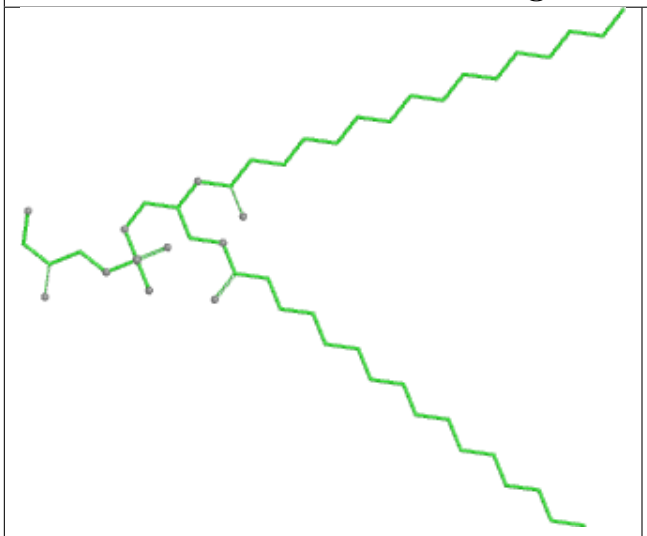


Rings

Ligand LHG 4 618



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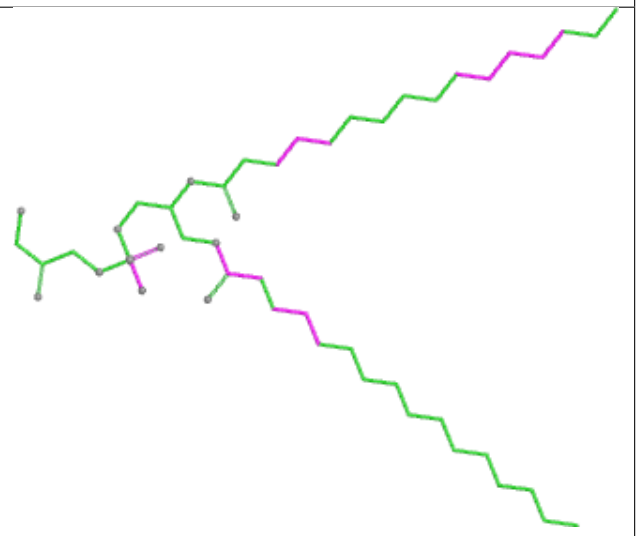
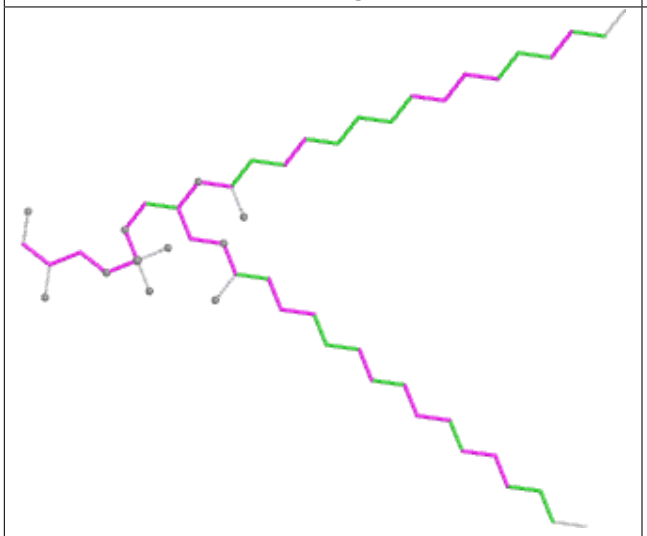
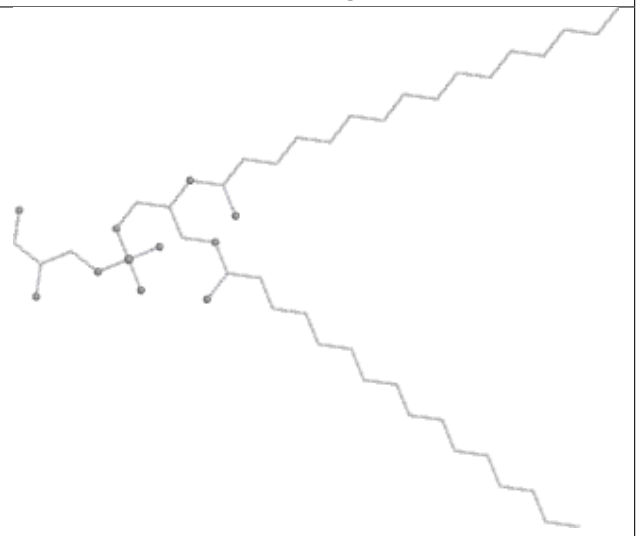


Bond angles

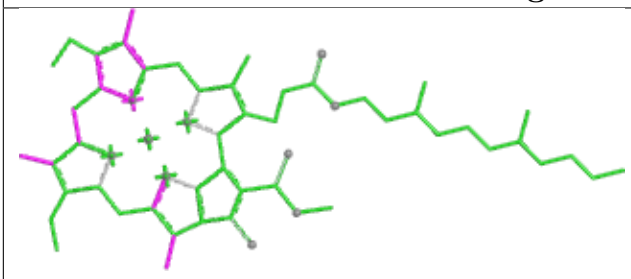


Torsions



Rings

Ligand CLA b 604



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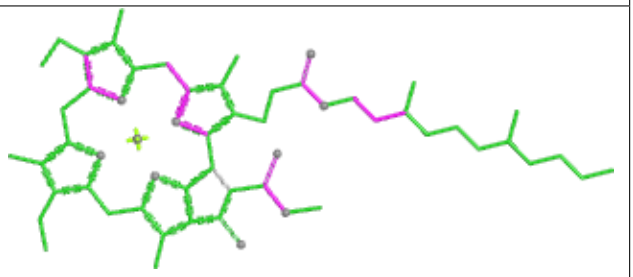
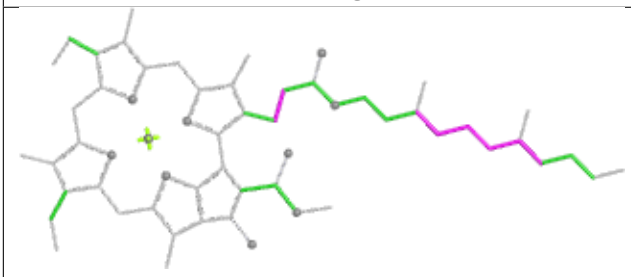
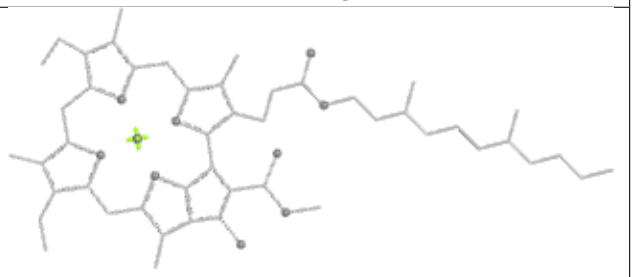


Bond angles

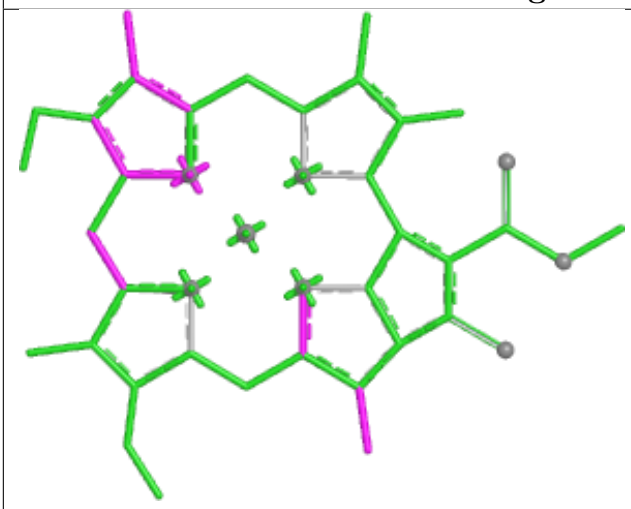


Torsions

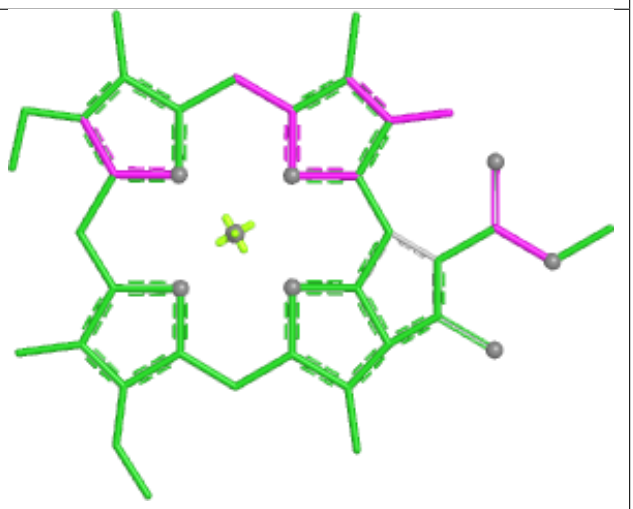


Rings

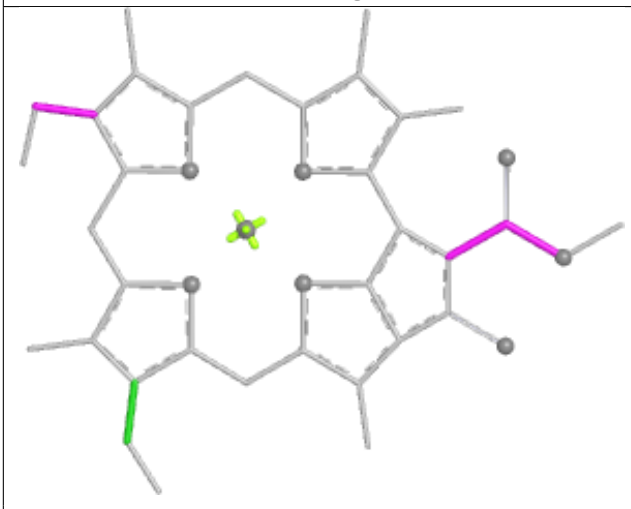
Ligand CLA 5 613



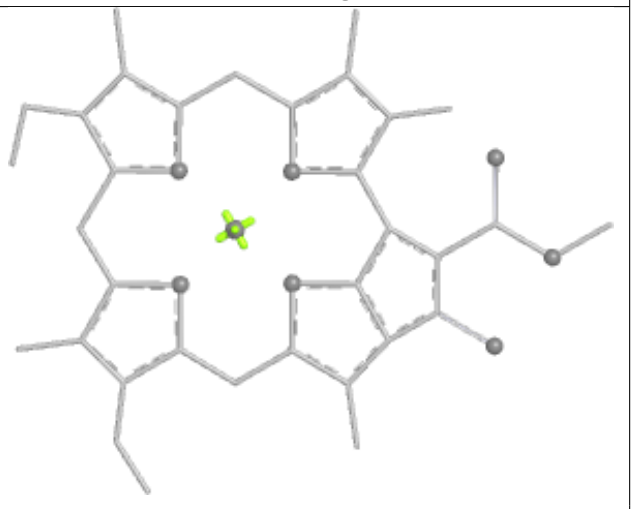
Bond lengths



Bond angles



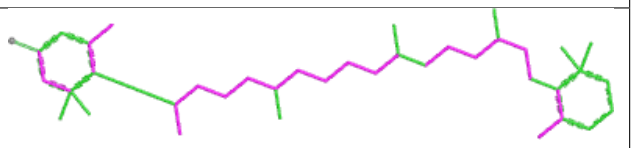
Torsions



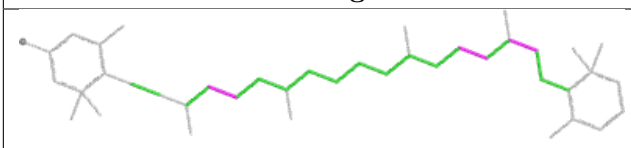
Rings

Ligand IHT K 104

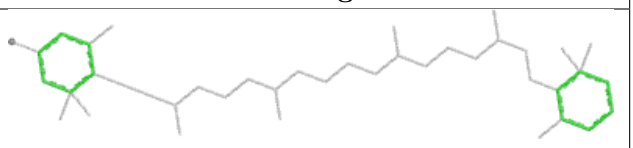
Bond lengths



Bond angles

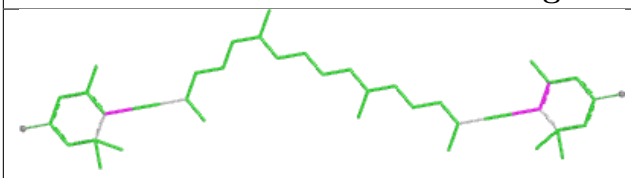


Torsions

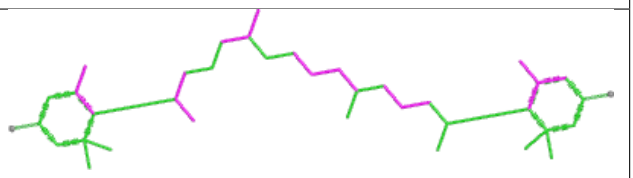


Rings

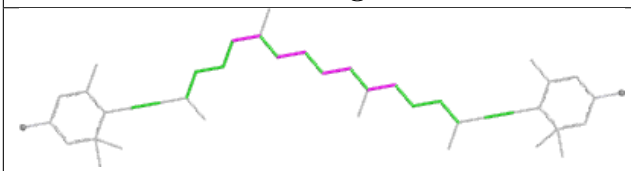
Ligand II0 a 615



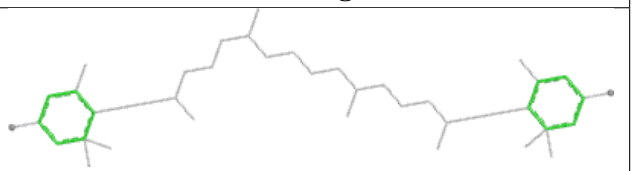
Bond lengths



Bond angles

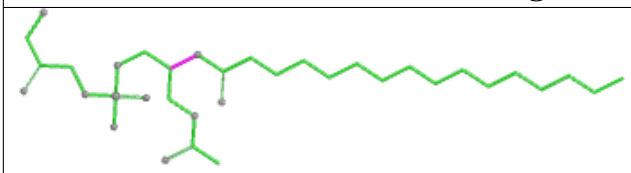


Torsions



Rings

Ligand LHG c 623



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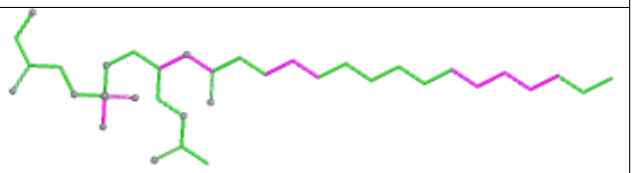

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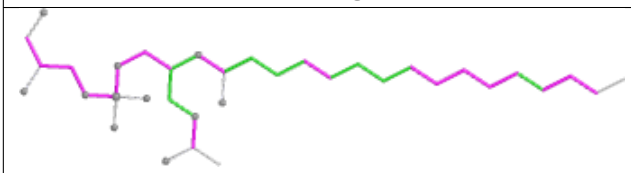

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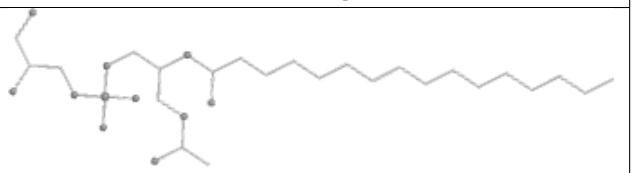
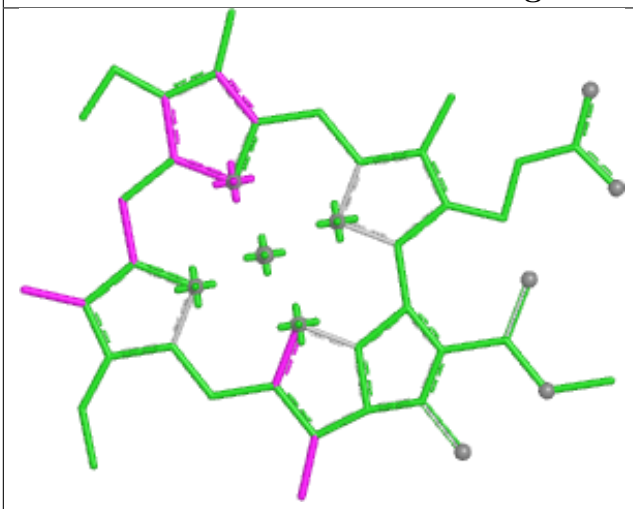


Rings

Ligand CLA B 804



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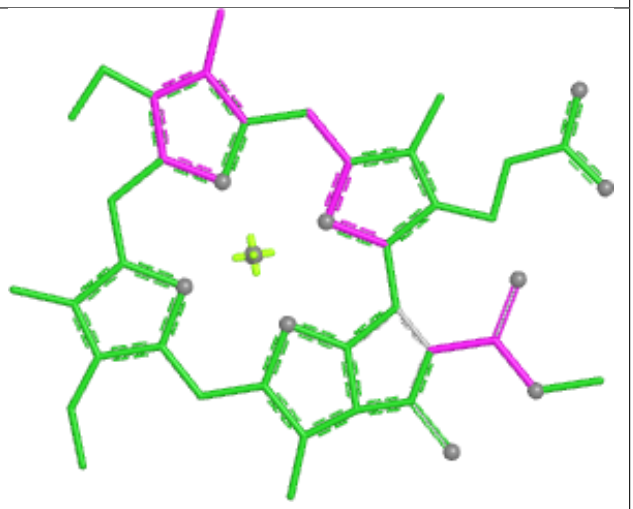

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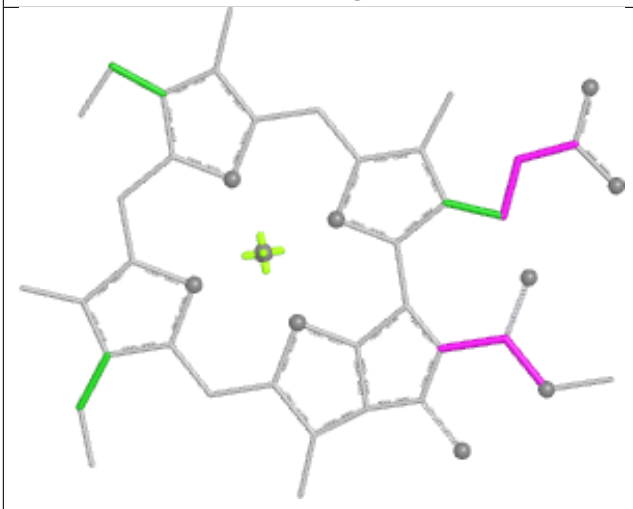
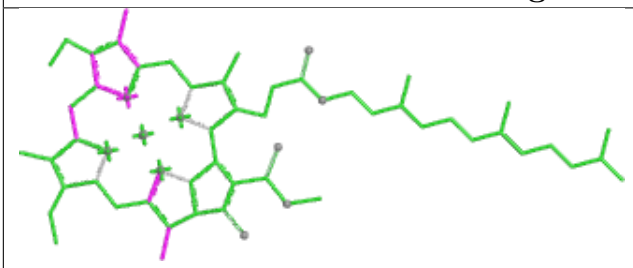


Torsions

Rings

Ligand CLA 4 609



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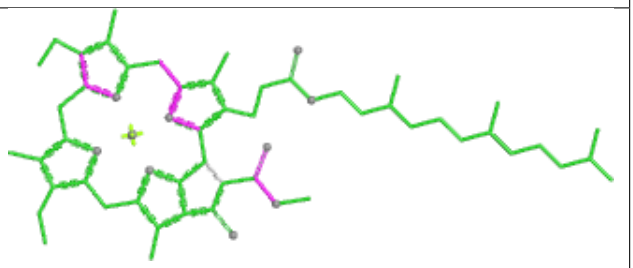

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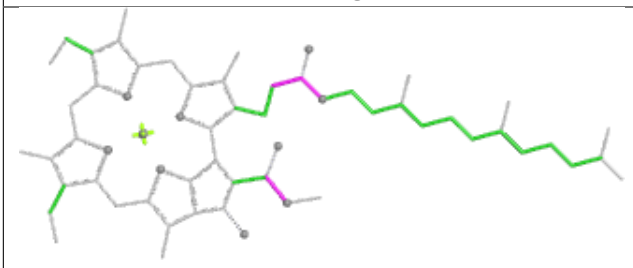

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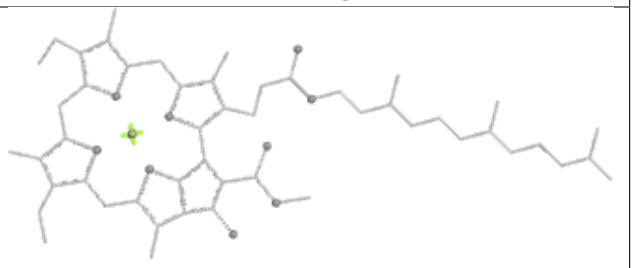
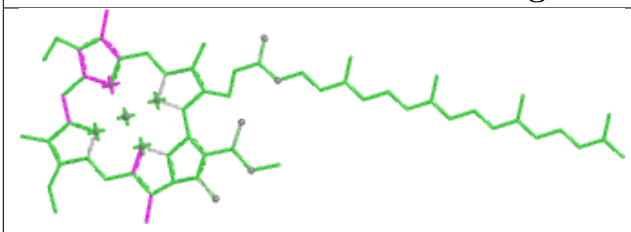


Rings

Ligand CLA 8 303



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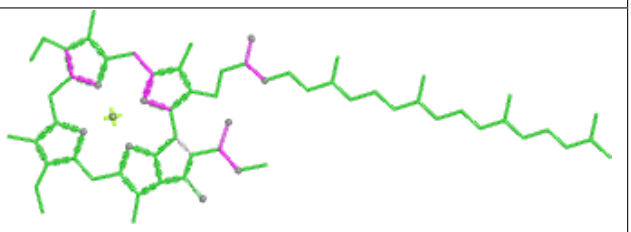

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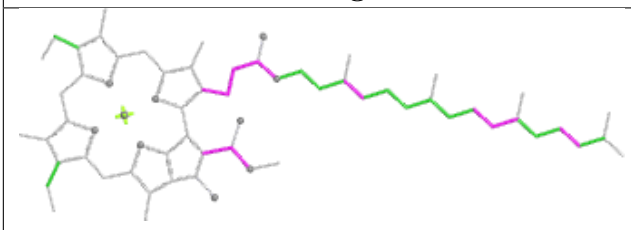

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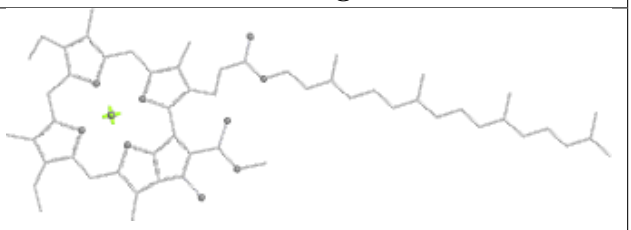
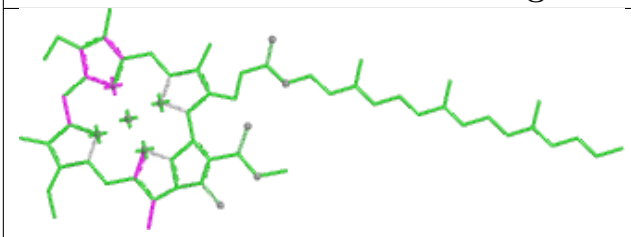


Rings

Ligand CLA d 612



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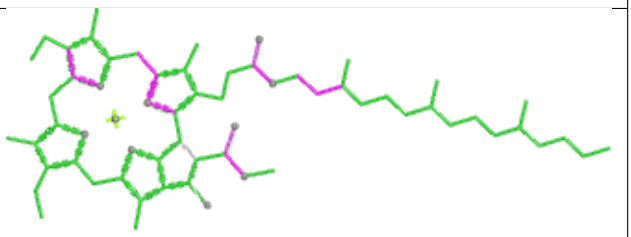
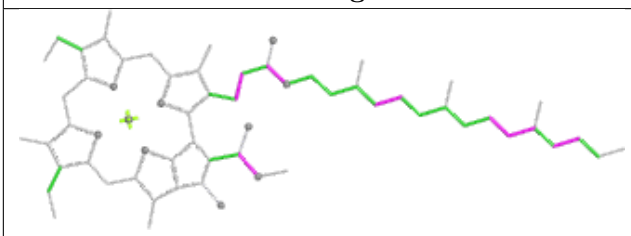


Bond angles



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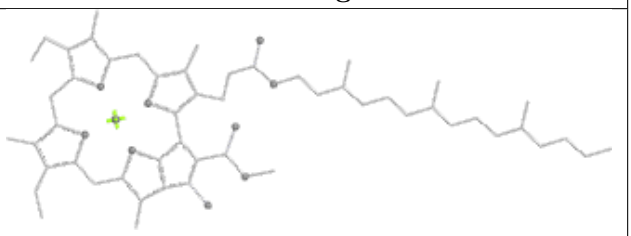
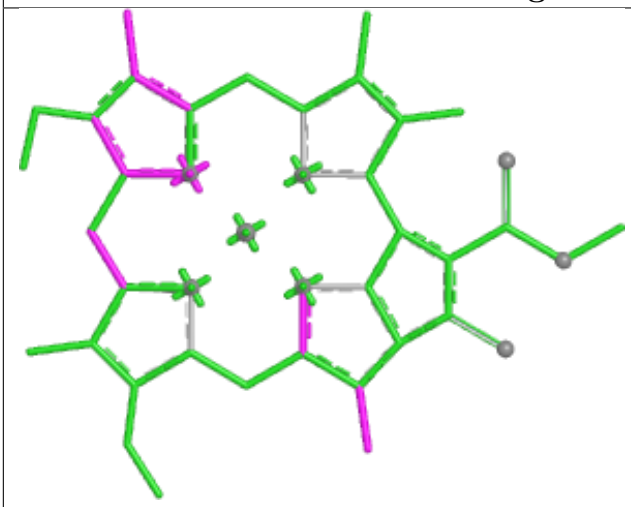


Rings

Ligand CLA J 103



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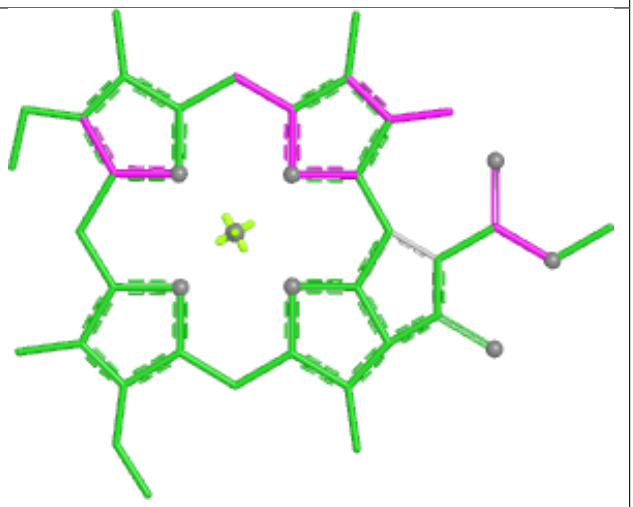

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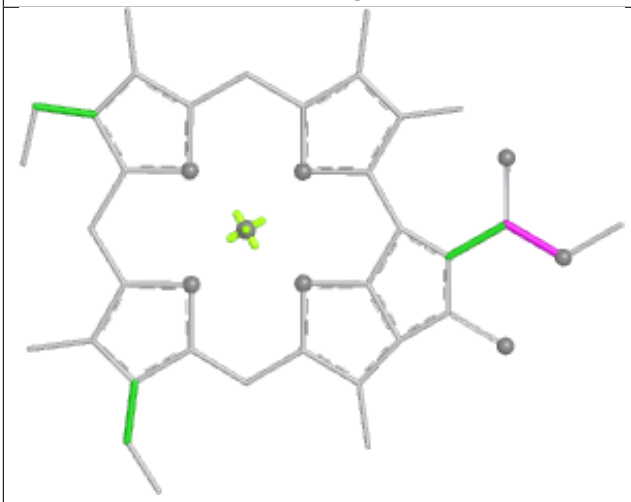

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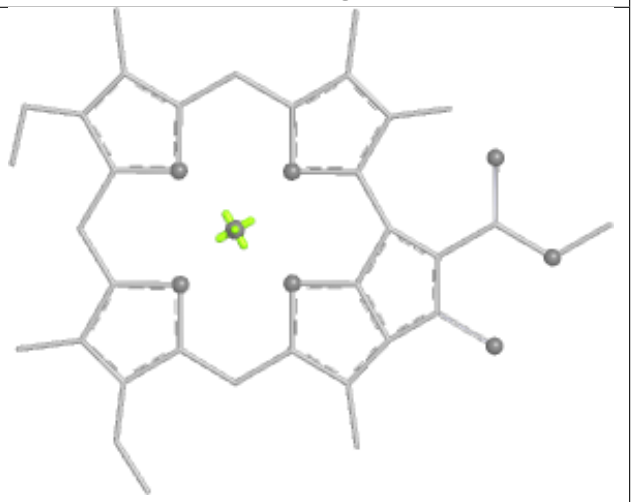
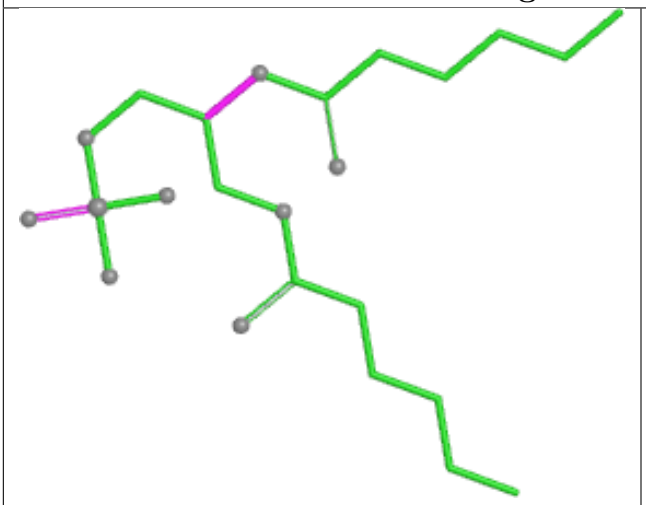


Rings

Ligand LHG M 102



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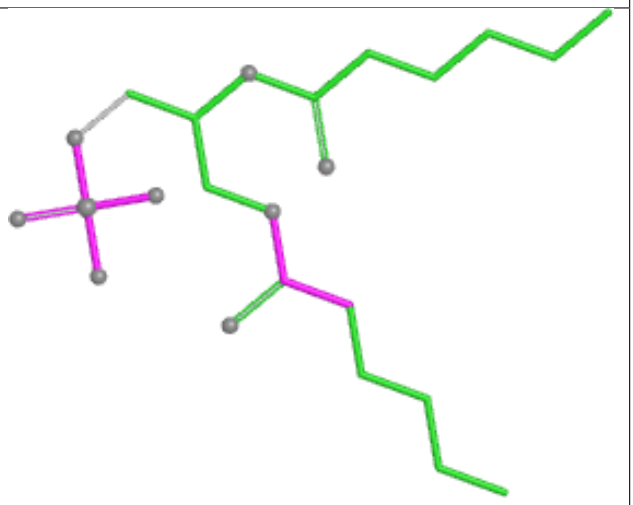

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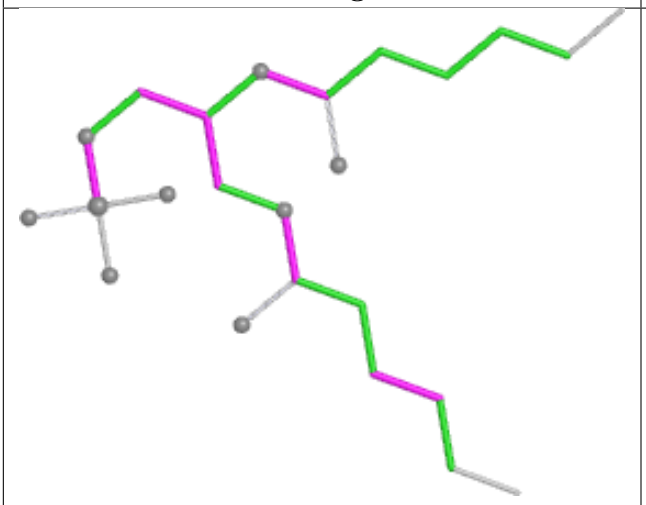

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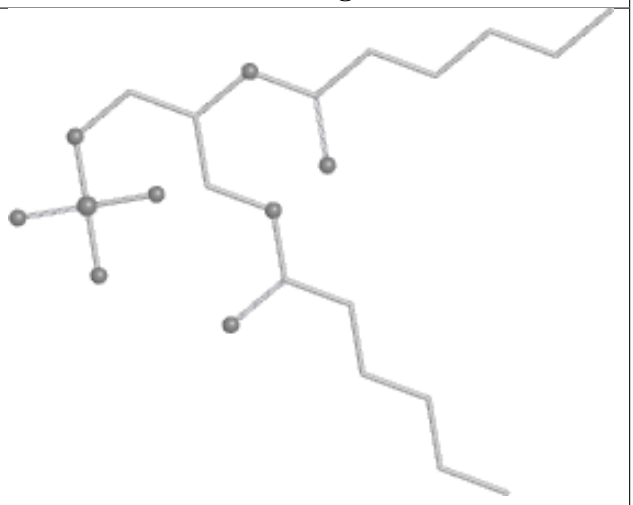
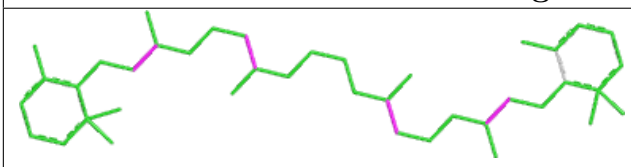


Rings

Ligand 8CT e 616



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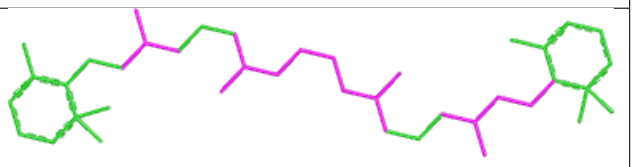

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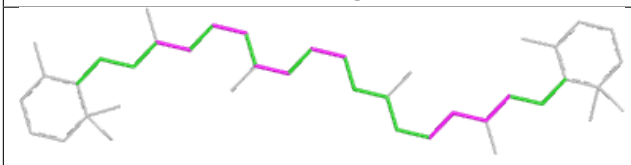

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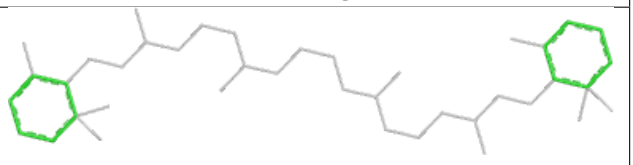
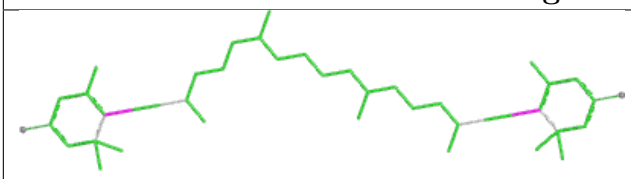


Rings

Ligand II0 7 316



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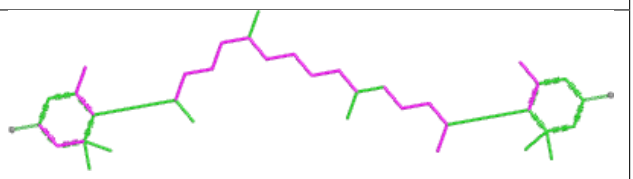

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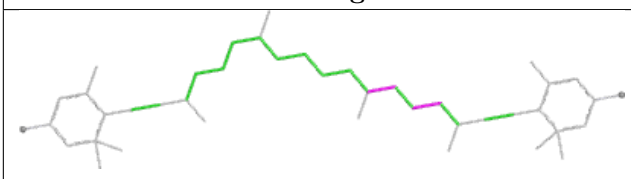

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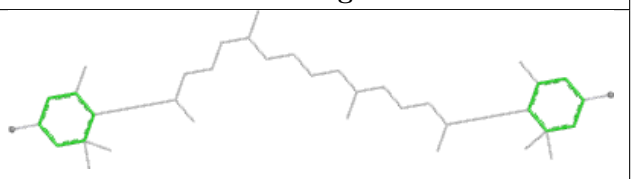
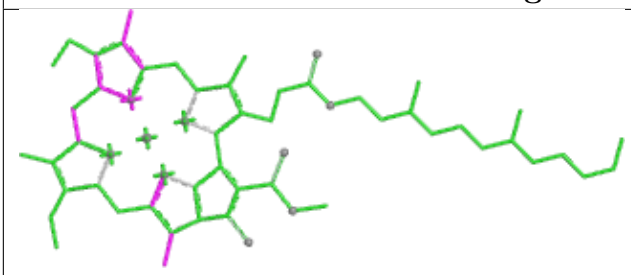


Rings

Ligand CLA B 817



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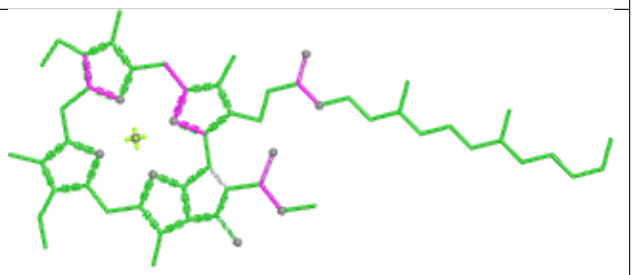
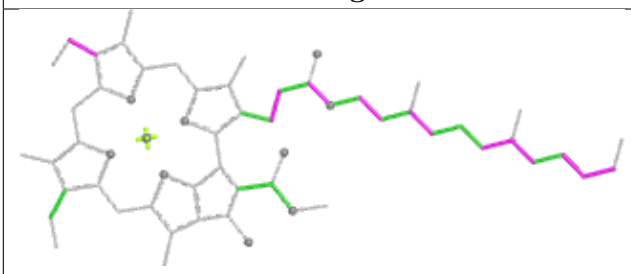


Bond angles



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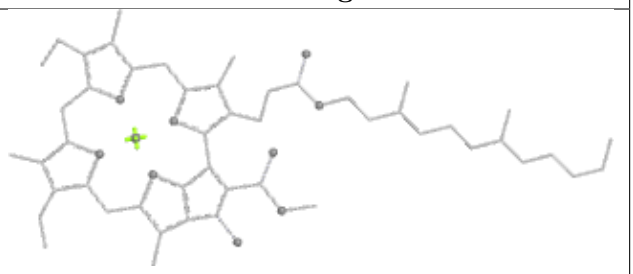
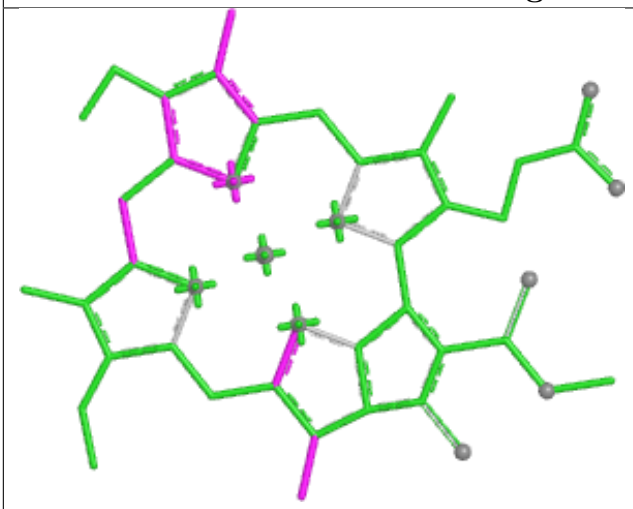


Rings

Ligand CLA F 201



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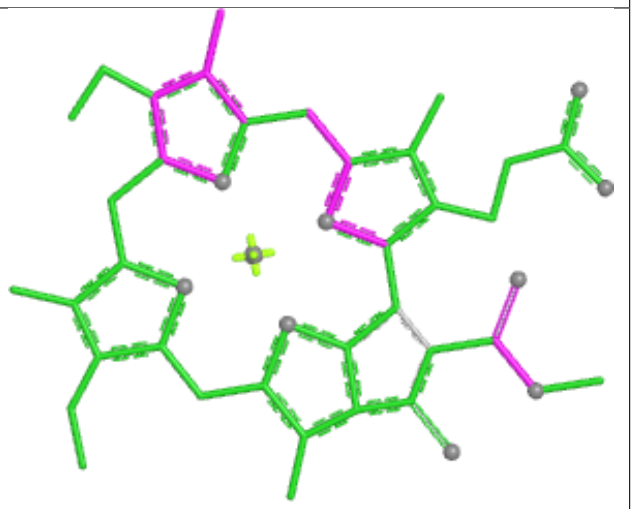
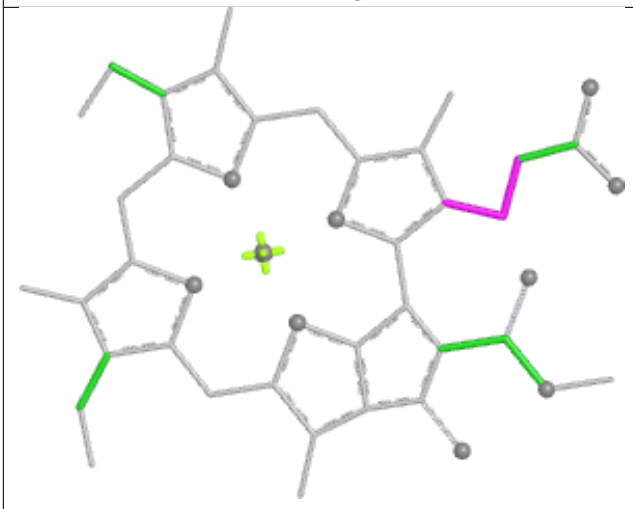


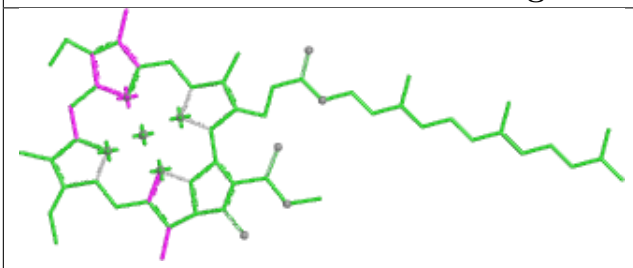
Bond angles



Torsions

Rings

Ligand CLA b 607



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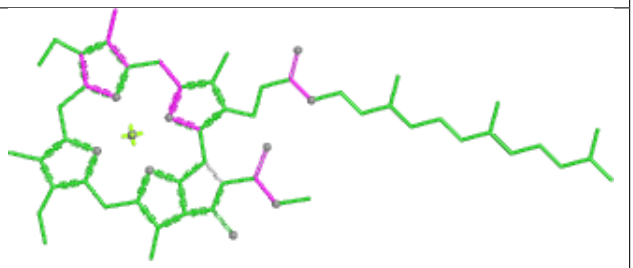
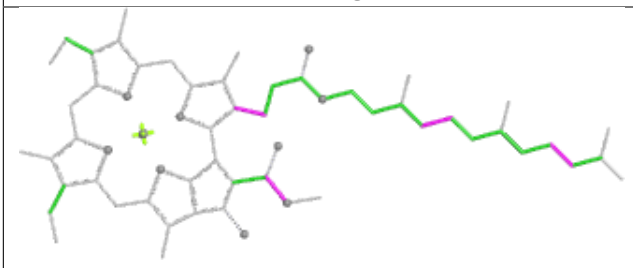
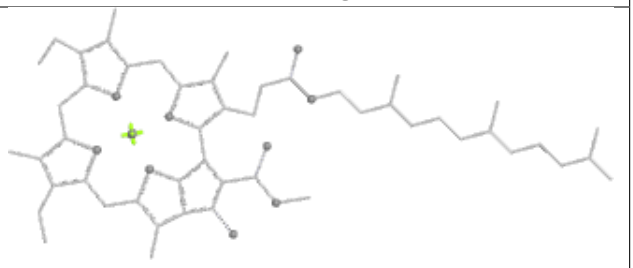


Bond angles

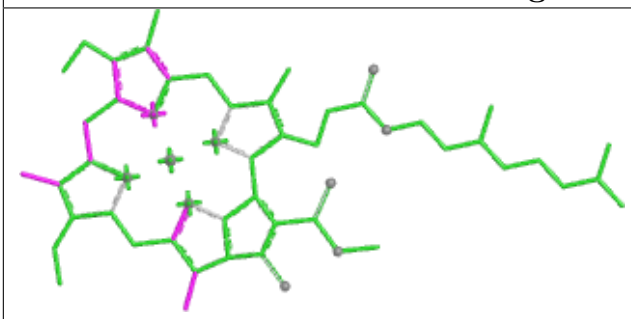


Torsions



Rings

Ligand CLA 9 309



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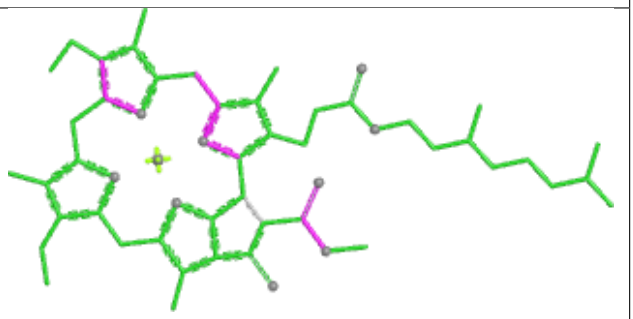
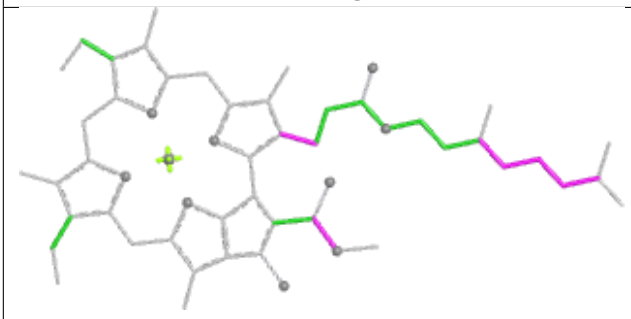


Bond angles



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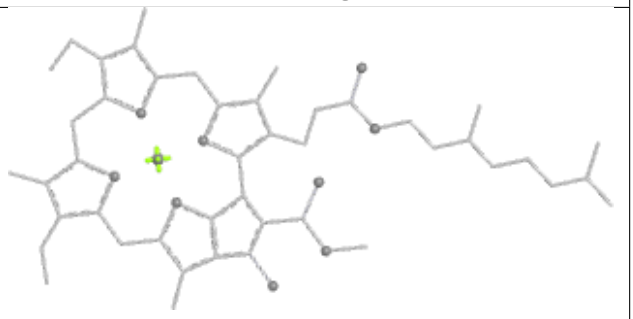
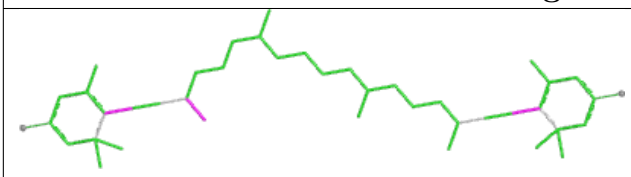


Rings

Ligand II0 a 613



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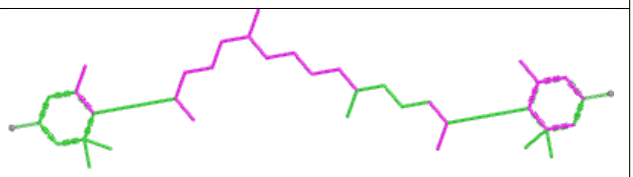
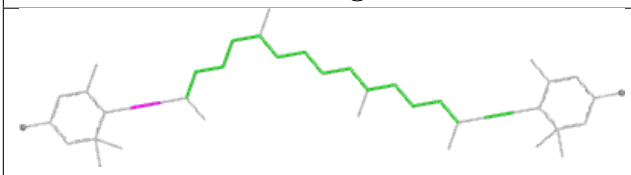
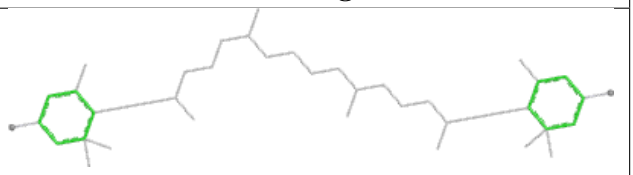


Bond angles

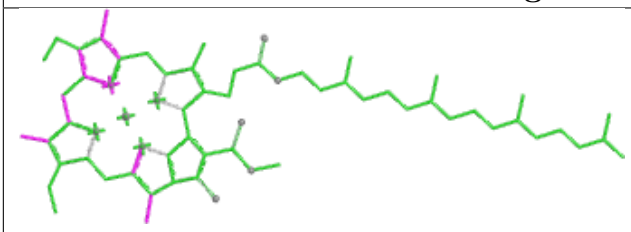


Torsions



Rings

Ligand CLA B 806



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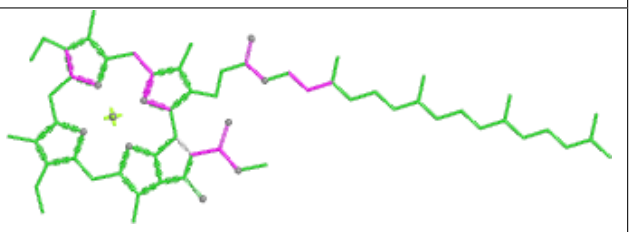

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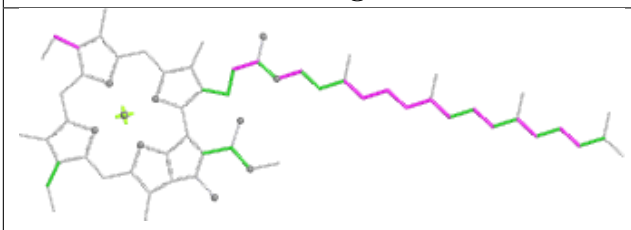

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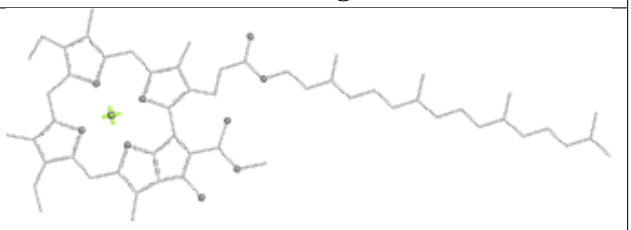
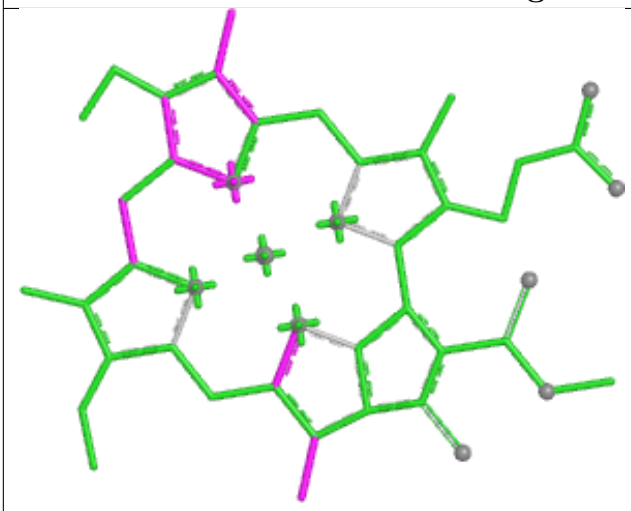


Rings

Ligand CLA d 605



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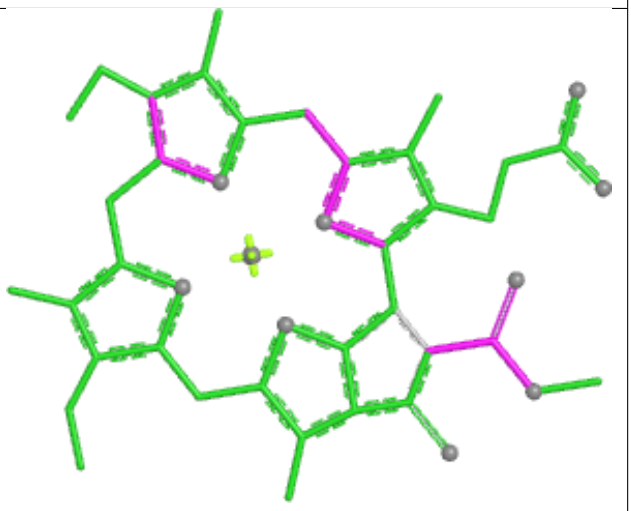

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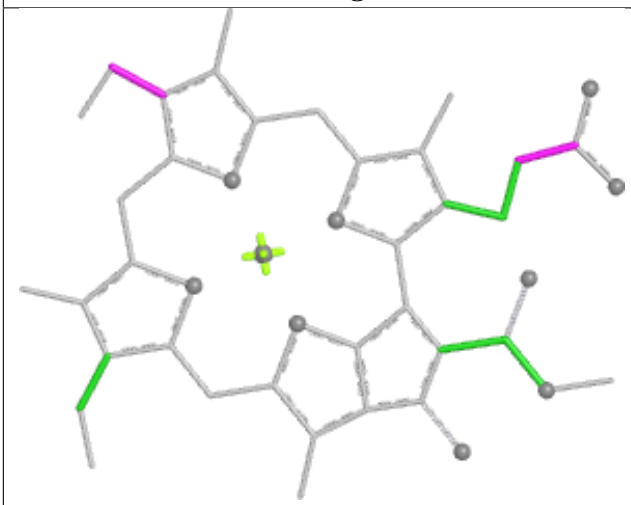

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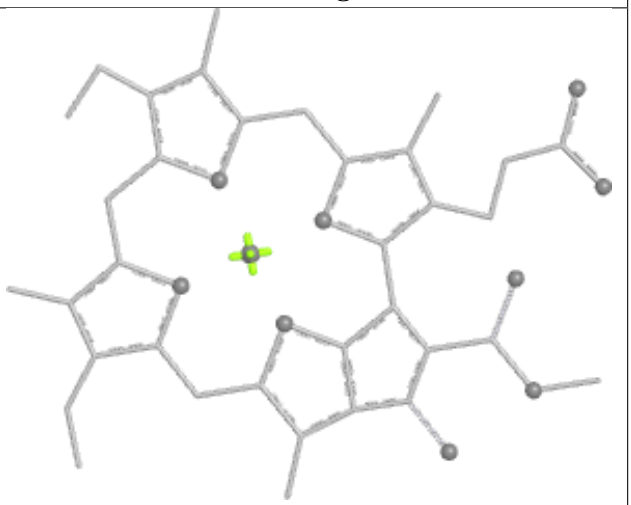
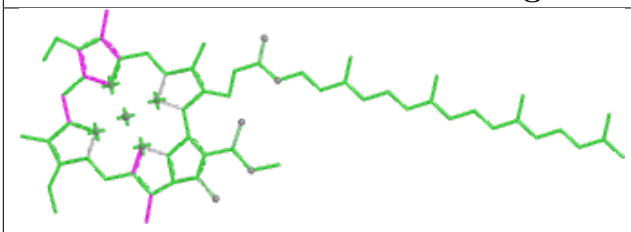


Rings

Ligand CLA A 806



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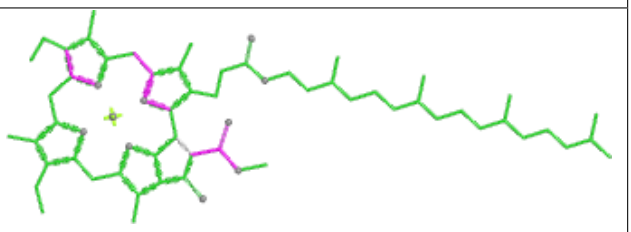

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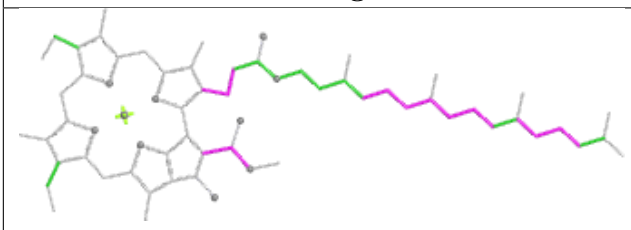

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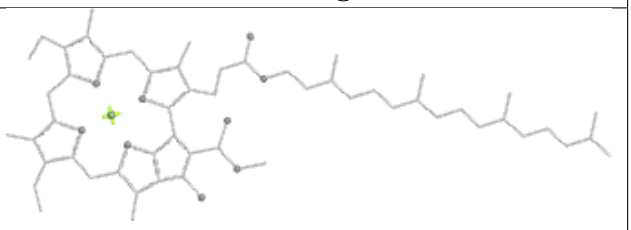
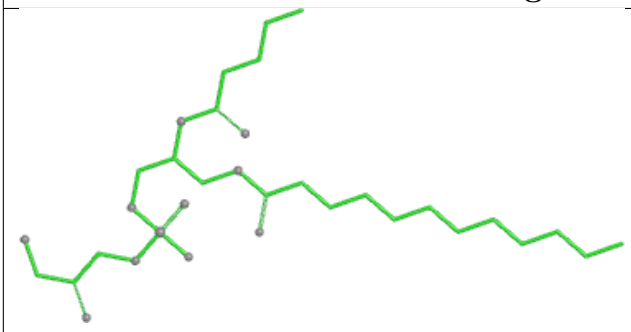


Rings

Ligand LHG L 208



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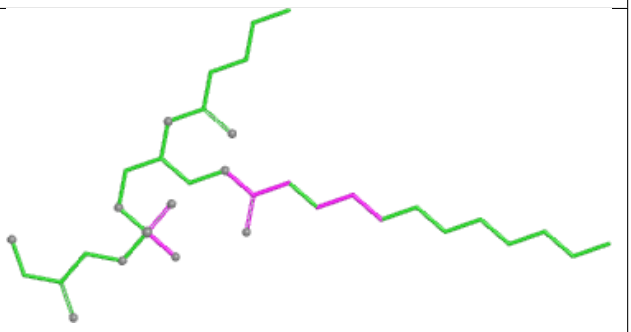

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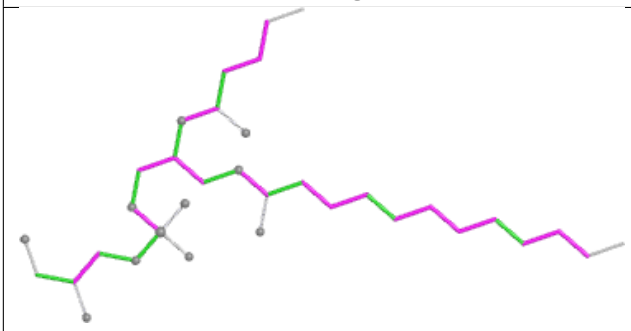

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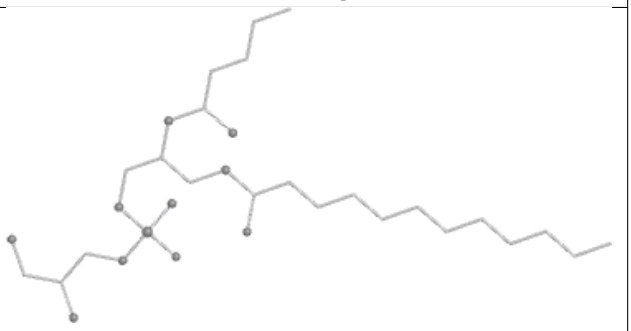
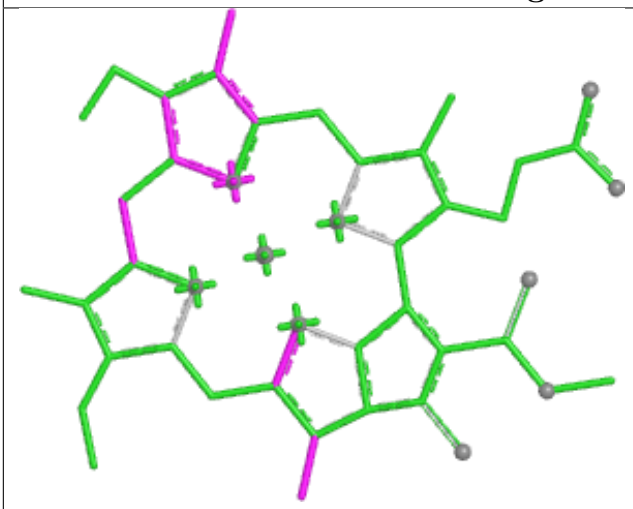


Rings

Ligand CLA b 601



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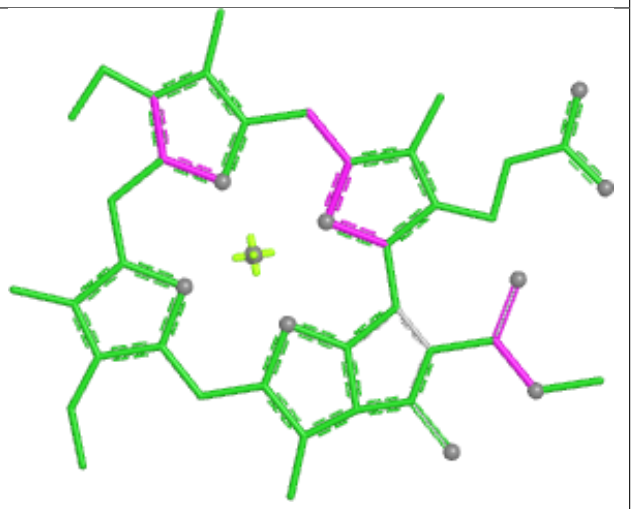
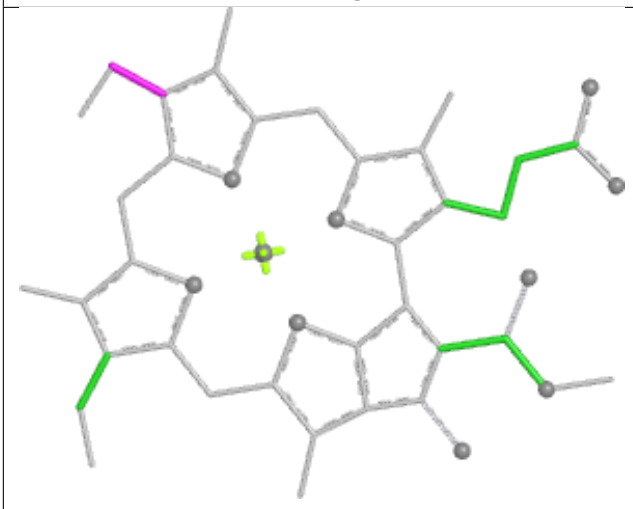


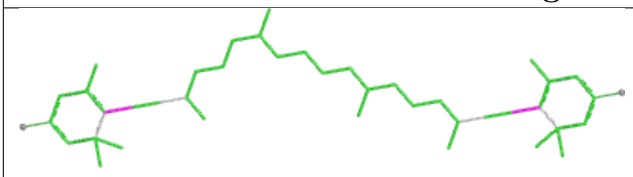
Bond angles



Torsions

Rings

Ligand II0 9 318



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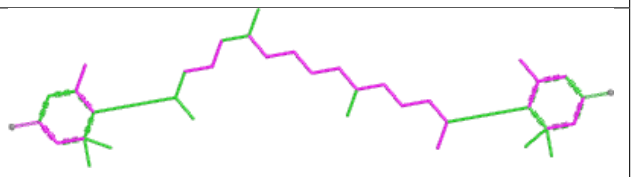

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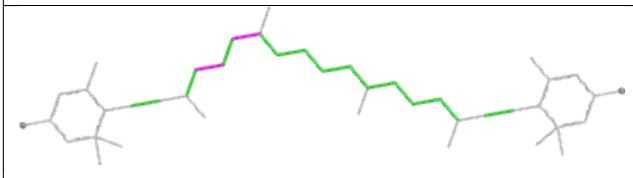

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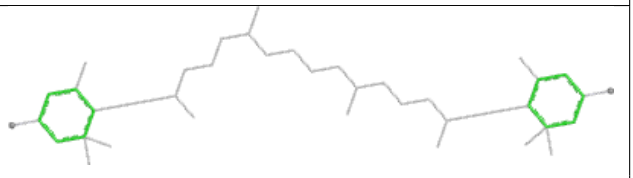
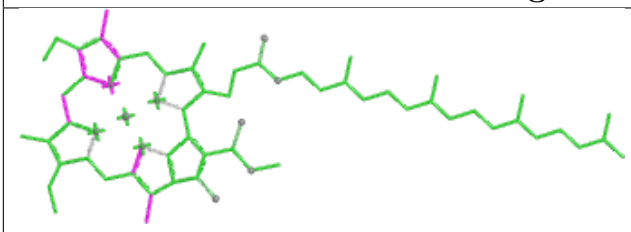


Rings

Ligand CLA 8 317



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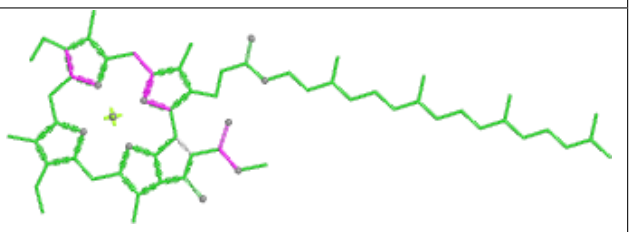
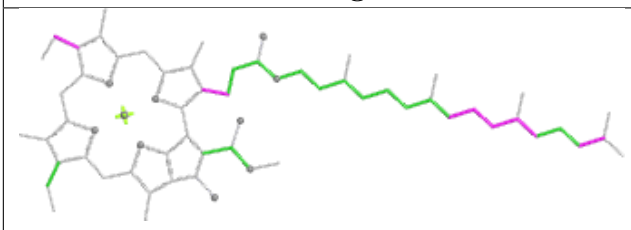


Bond angles



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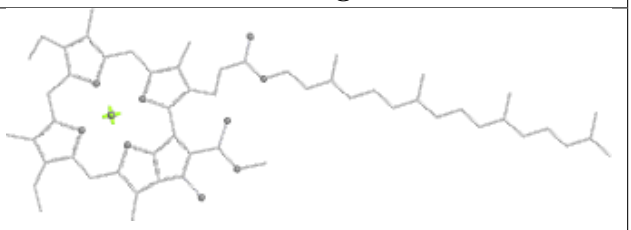
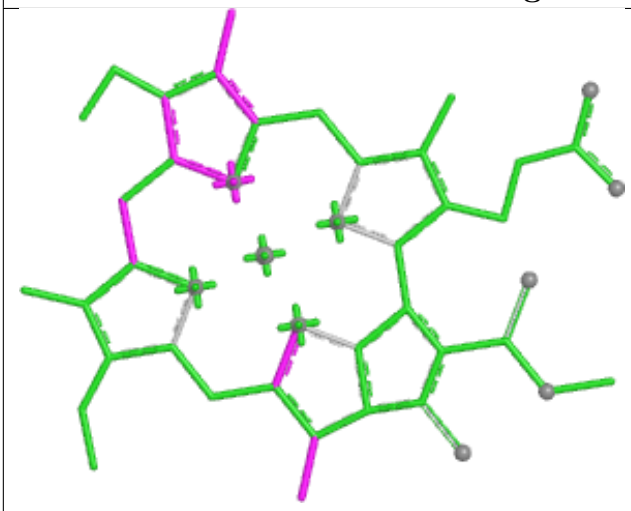


Rings

Ligand CLA A 814



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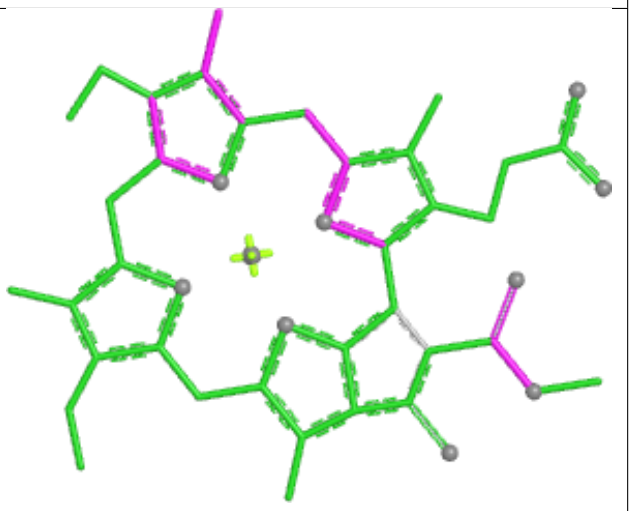

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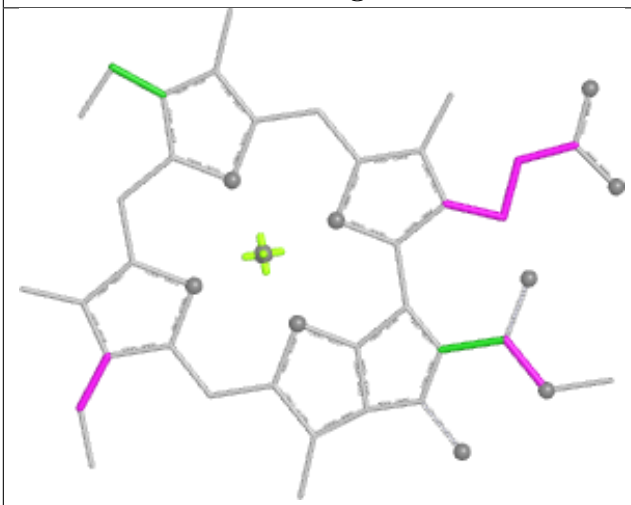

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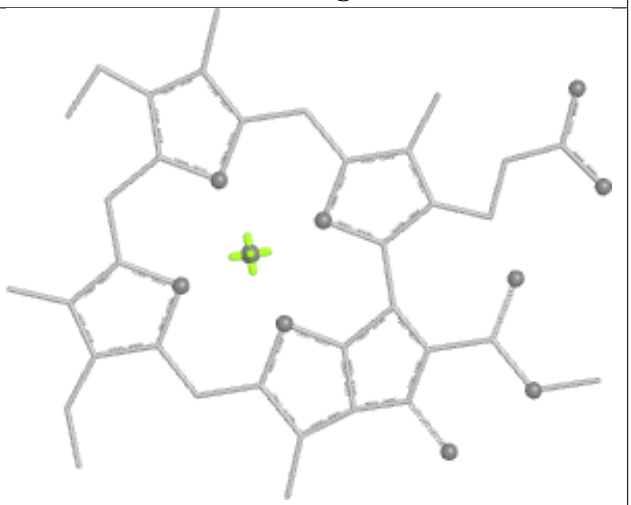
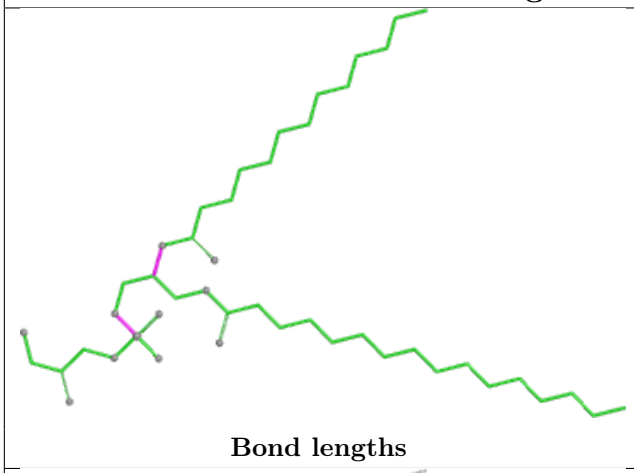


Rings

Ligand LHG Z 311



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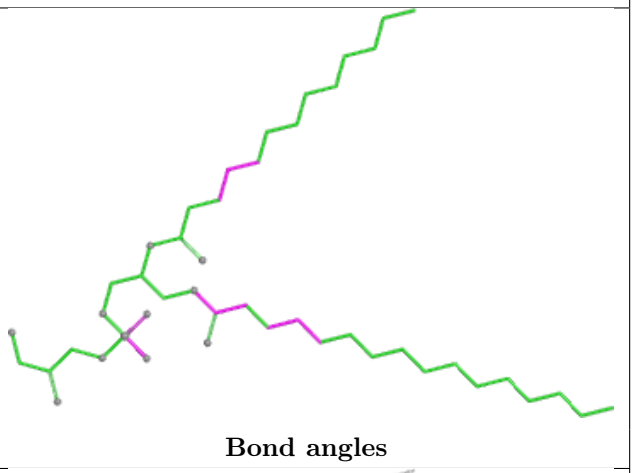

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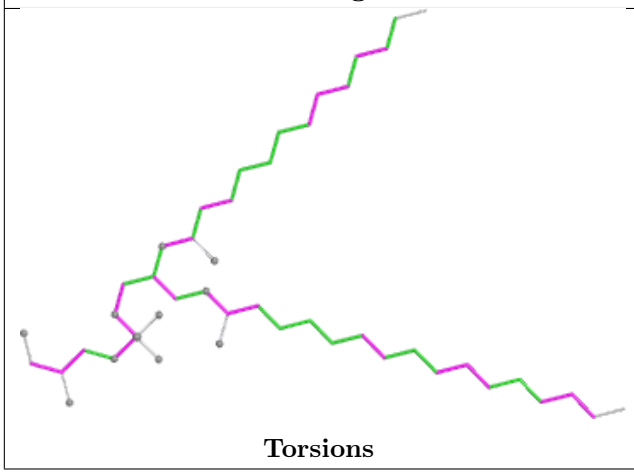

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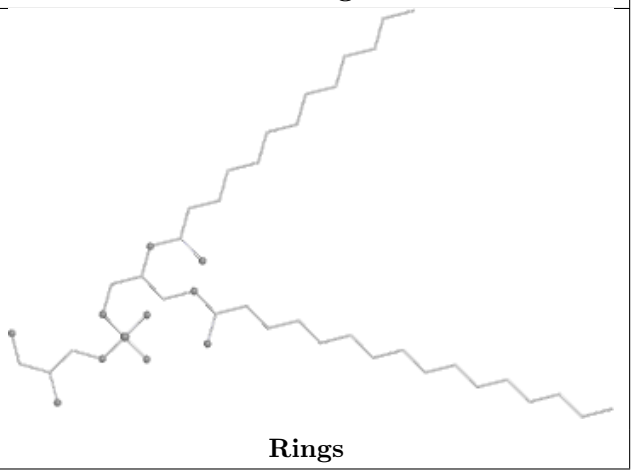
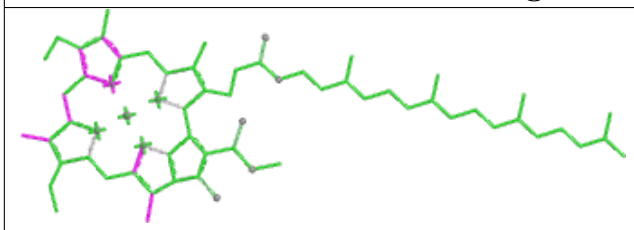


Rings

Ligand CLA B 816



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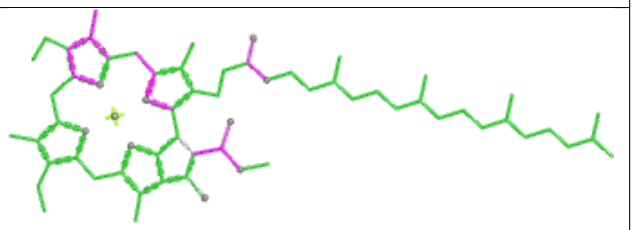

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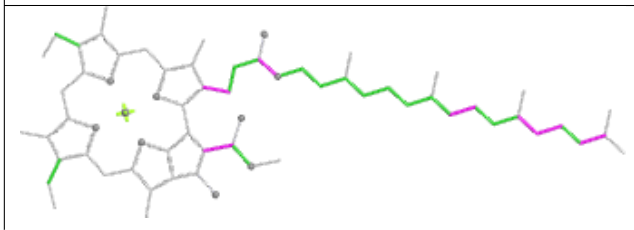

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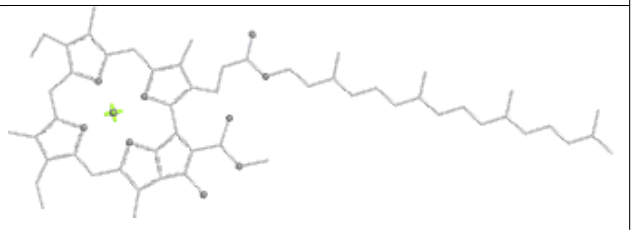
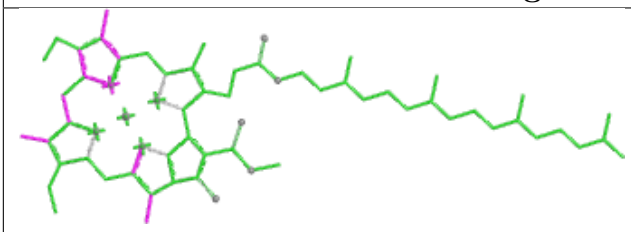


Rings

Ligand CLA A 820



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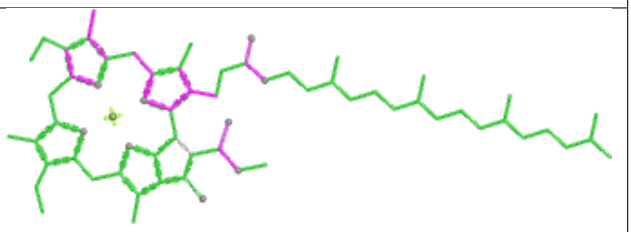
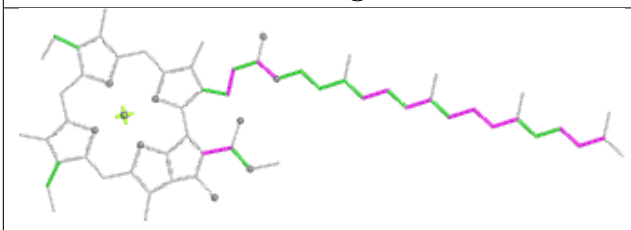


Bond angles



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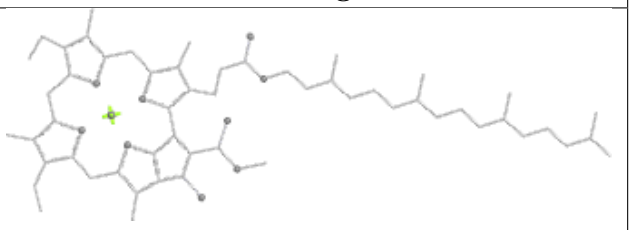
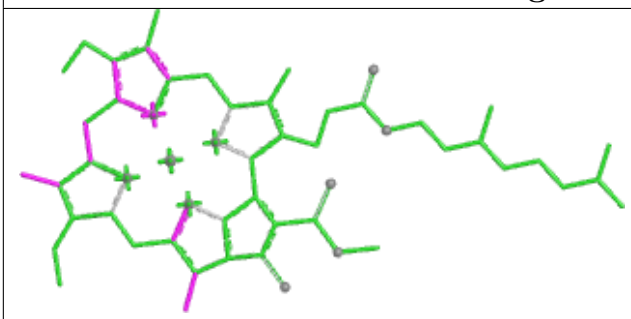


Rings

Ligand CLA 6 611



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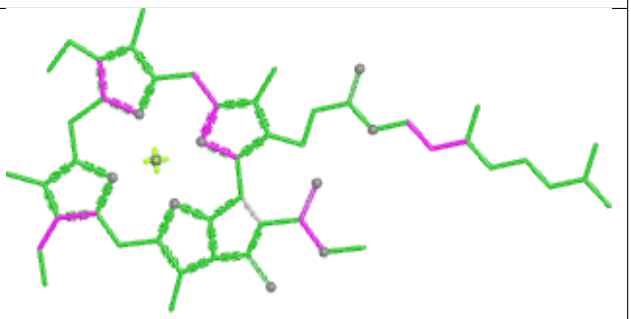
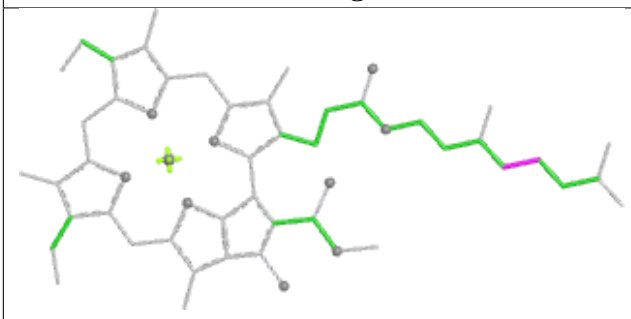


Bond angles



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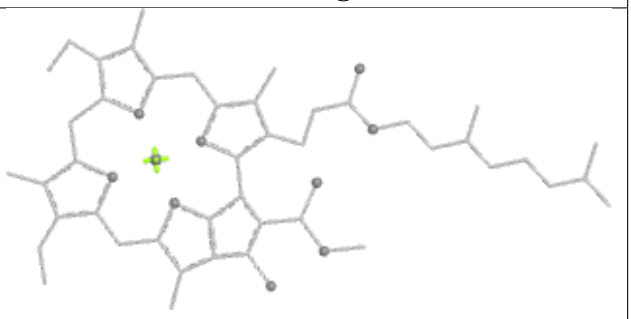
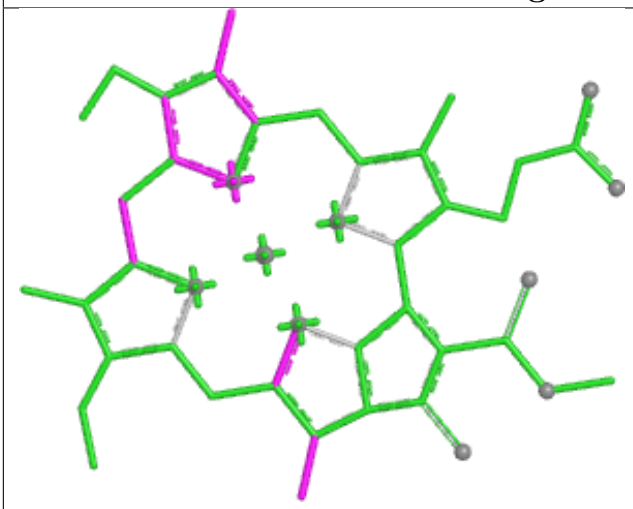


Rings

Ligand CLA 6 612



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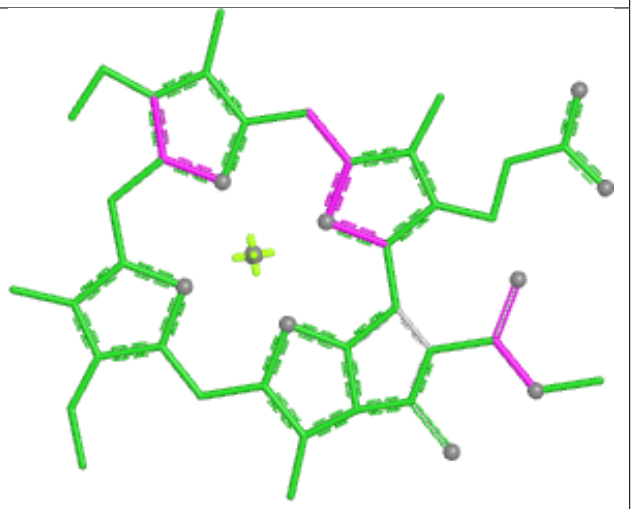
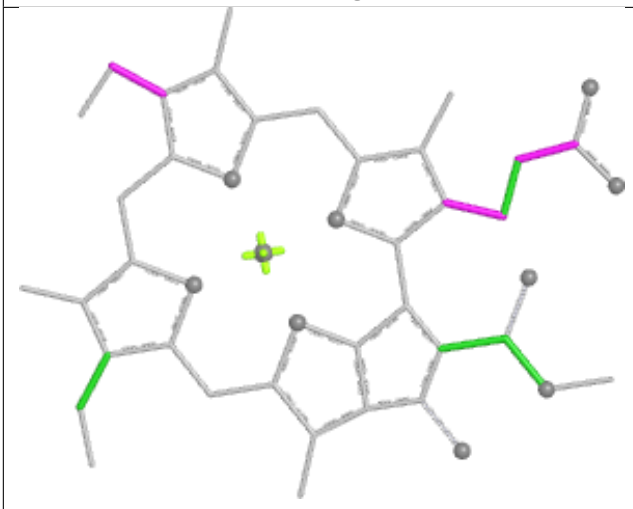


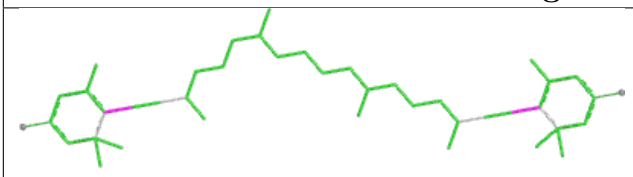
Bond angles



Torsions

Rings

Ligand II0 5 614



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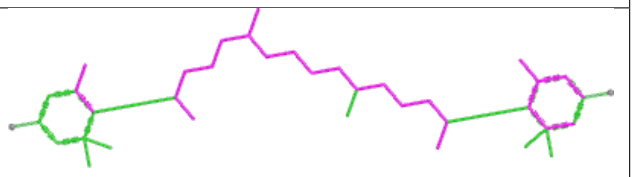
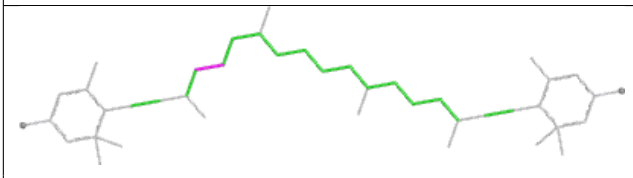


Bond angles



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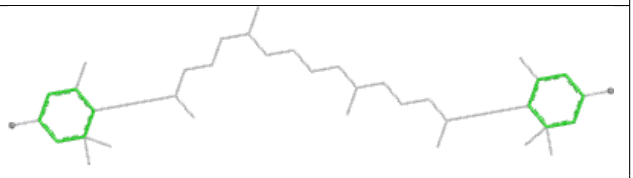
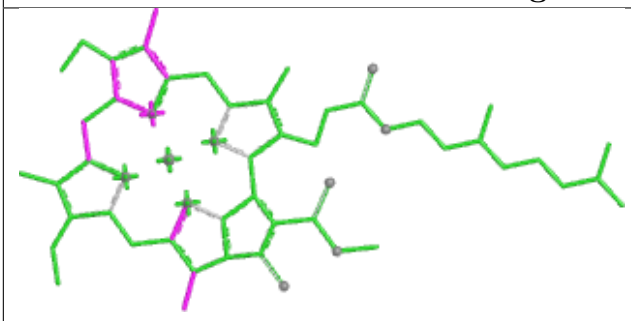
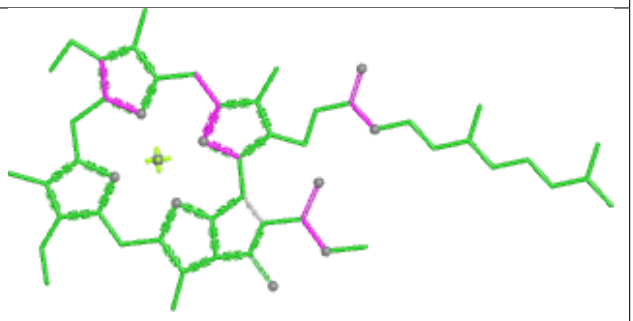


Rings

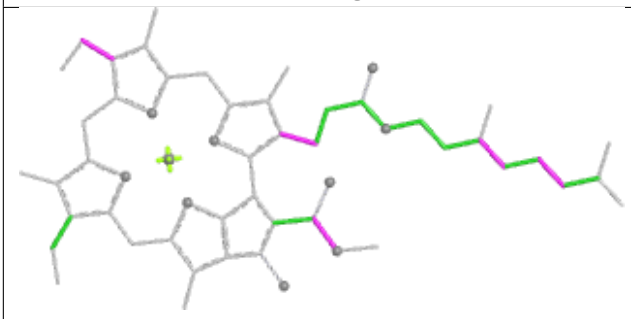
Ligand CLA c 612



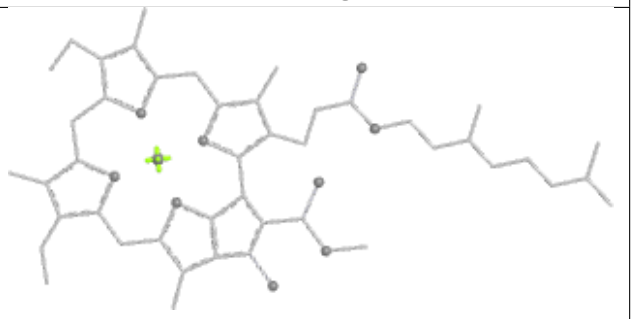
Bond lengths



Bond angles

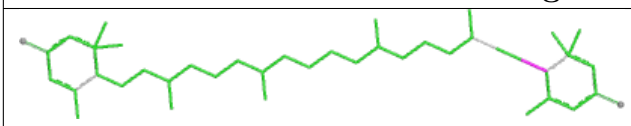


Torsions



Rings

Ligand II3 8 312



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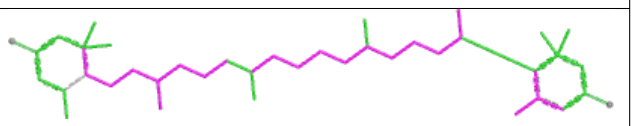
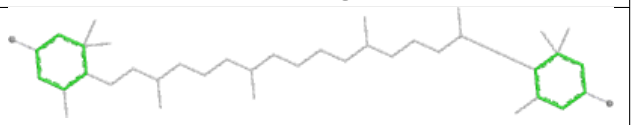


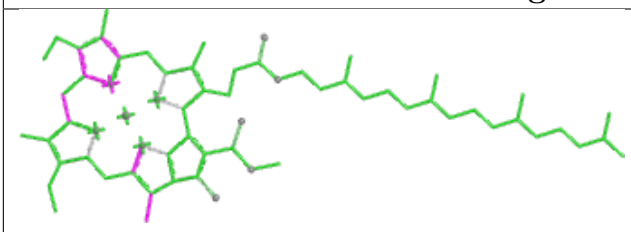
Bond angles

Torsions



Rings

Ligand CLA 6 602



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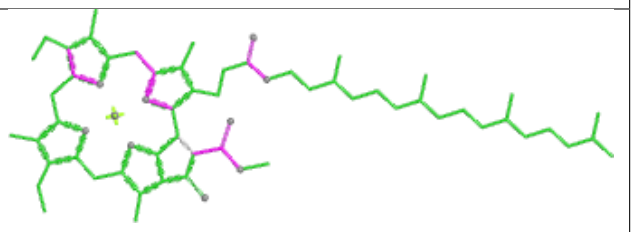
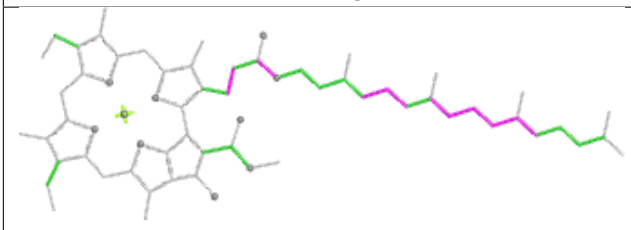


Bond angles



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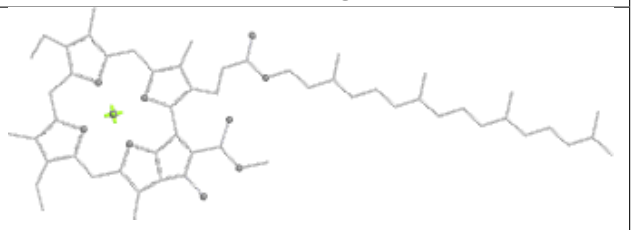
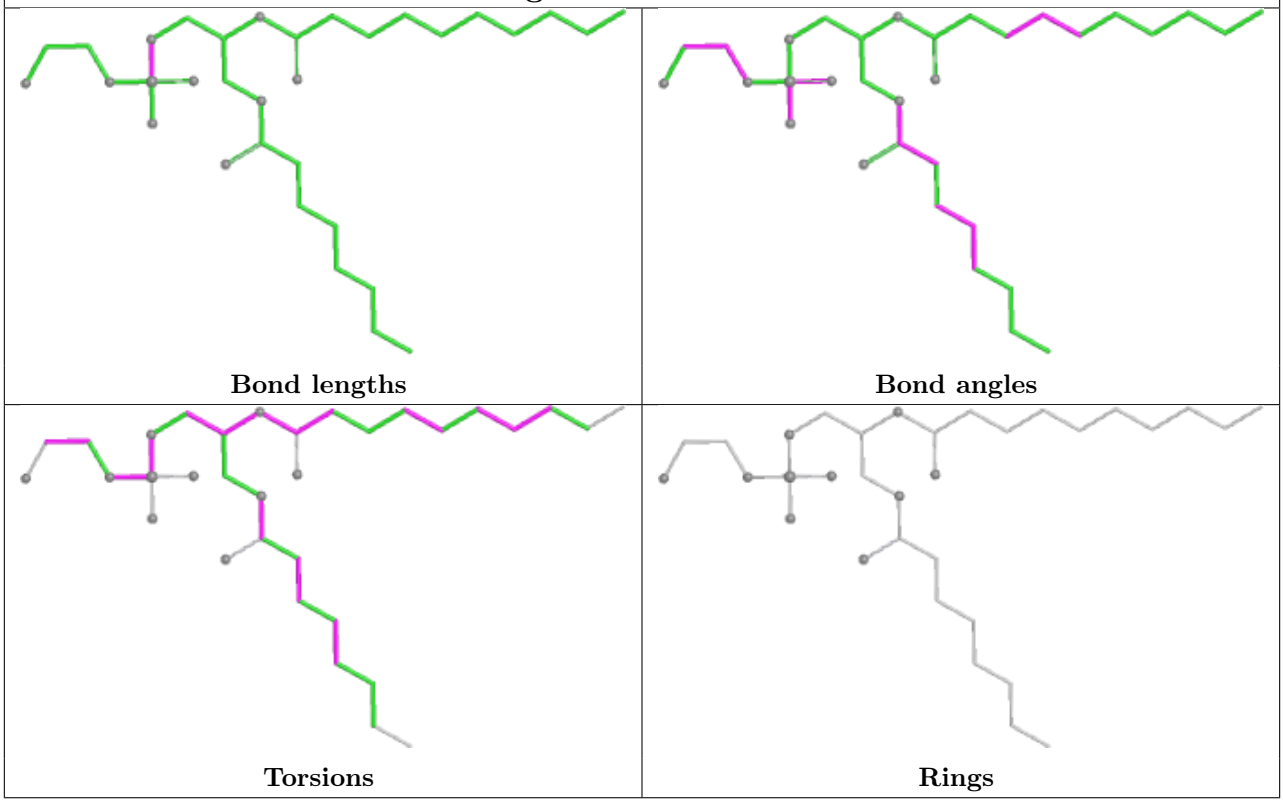
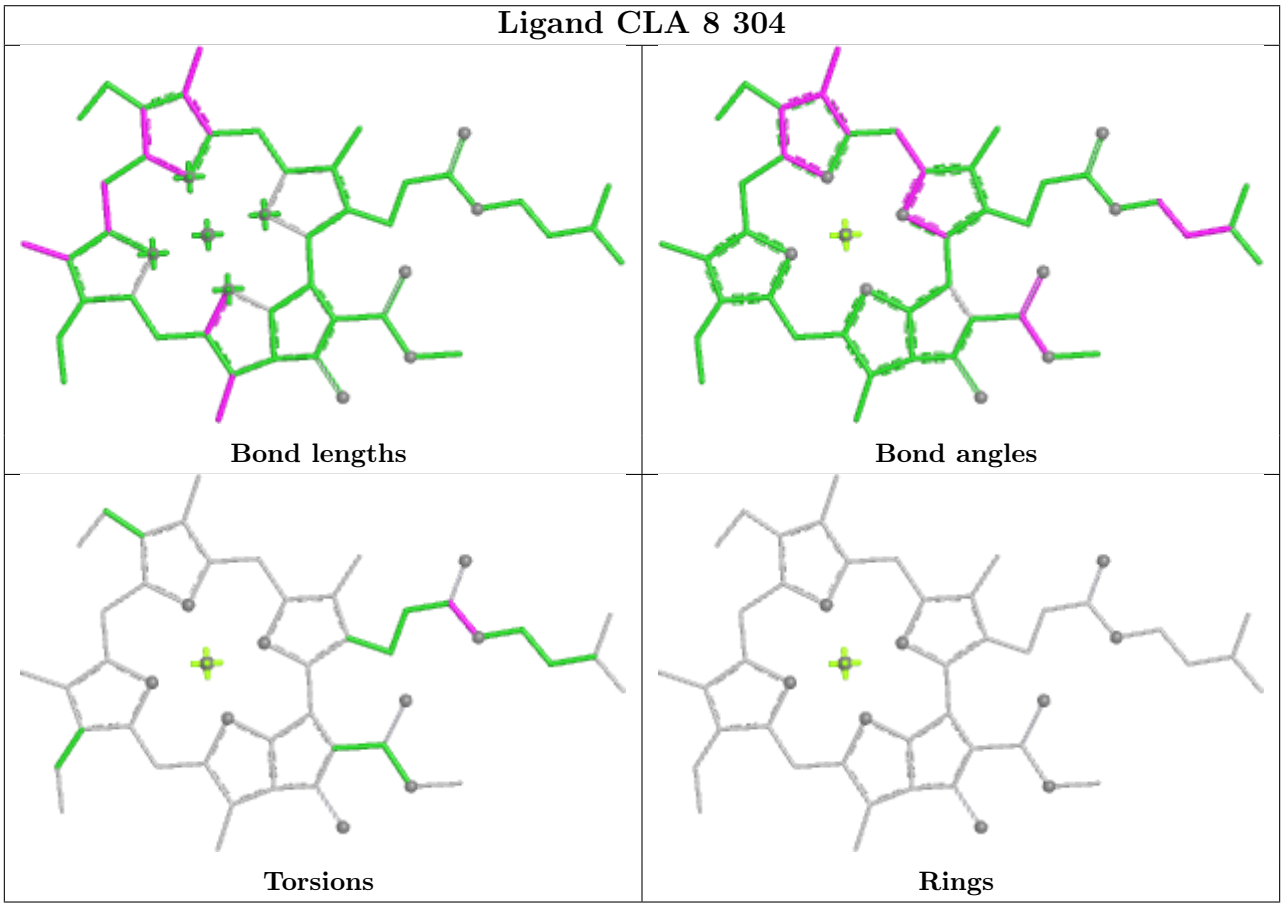


Rings

Ligand LHG L 207



Ligand CLA 8 304



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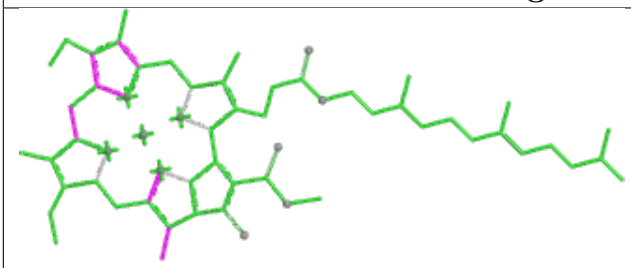
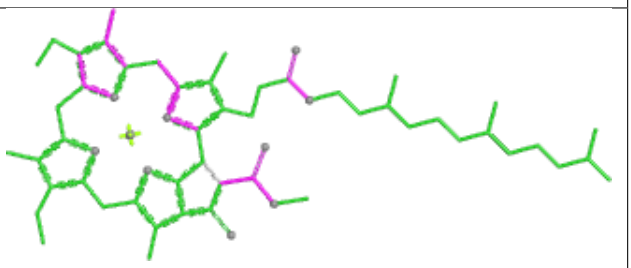
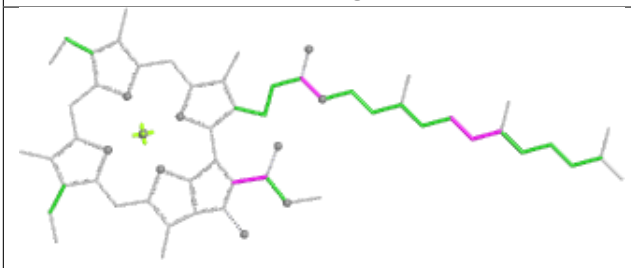
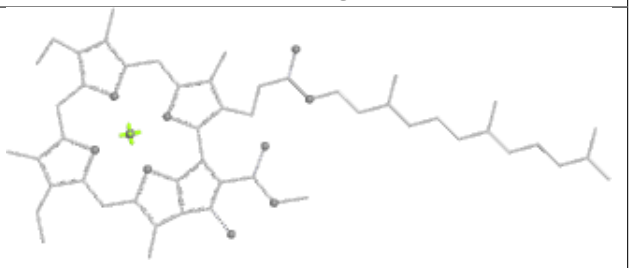
	
Bond lengths	Bond angles
	
Torsions	Rings

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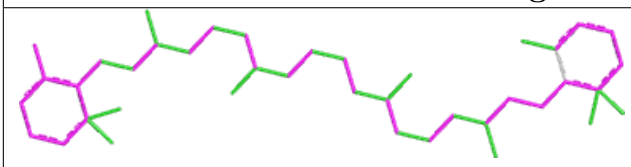
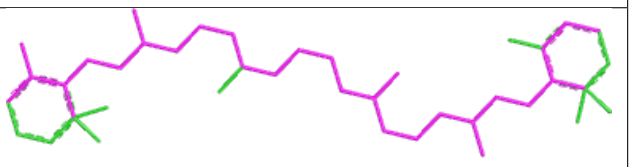
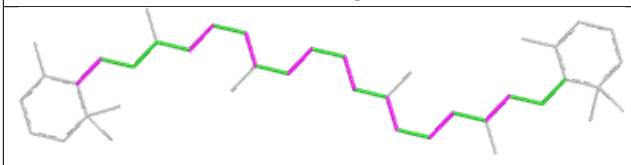
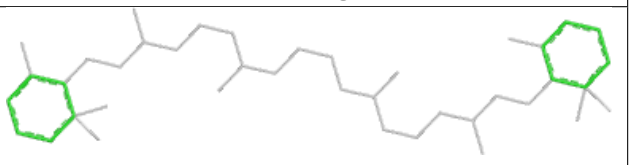
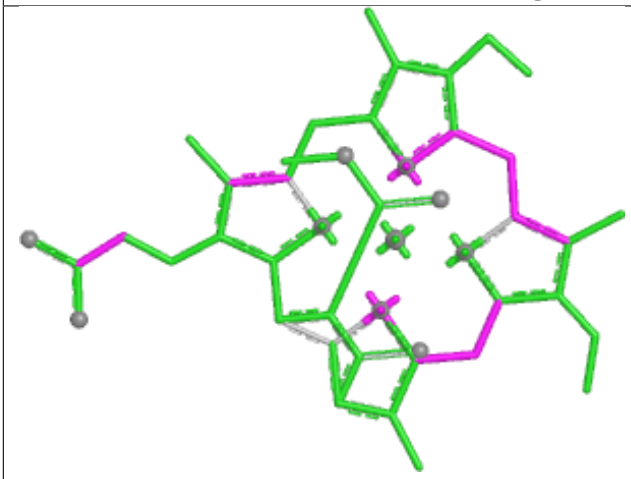
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand KC2 d 610



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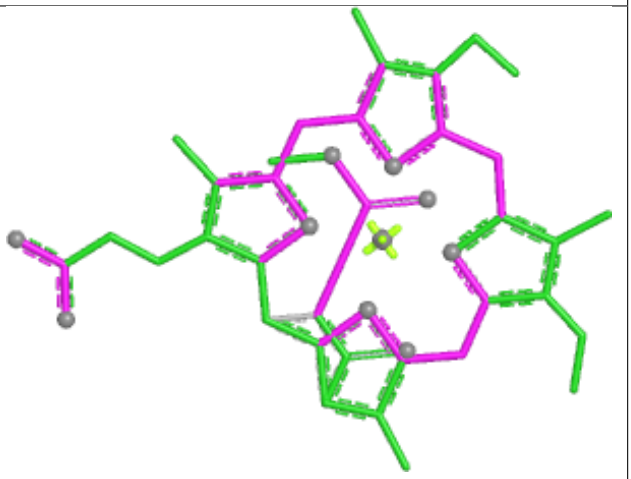

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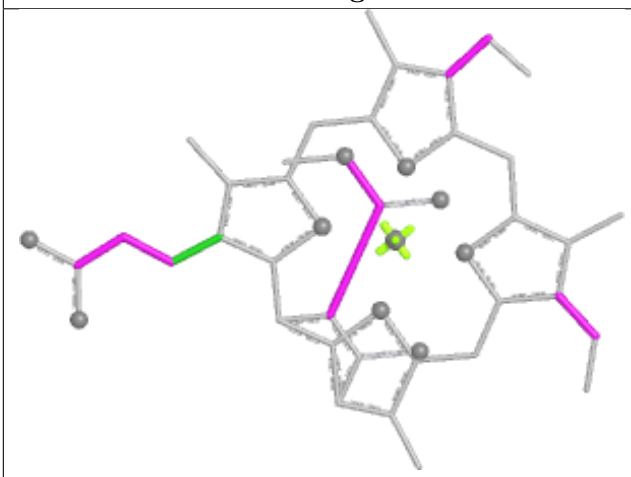

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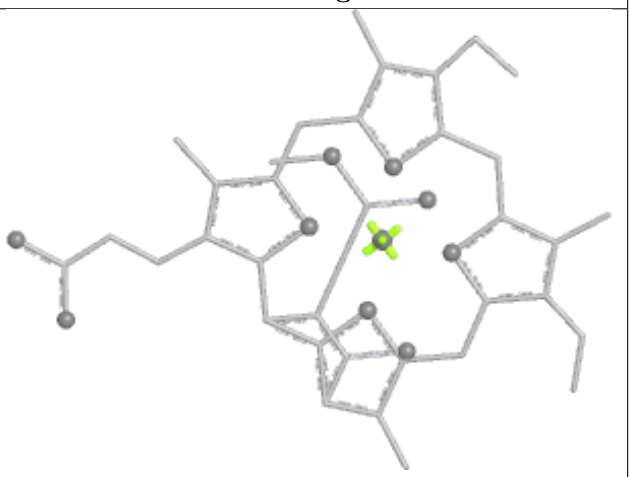

Rings

Ligand IHT 9 320

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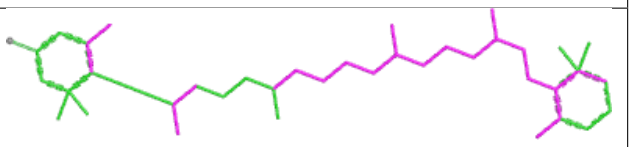
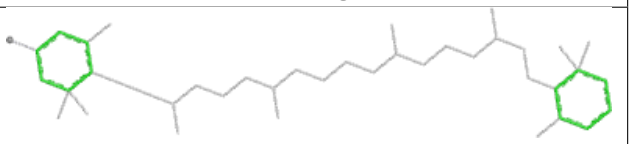


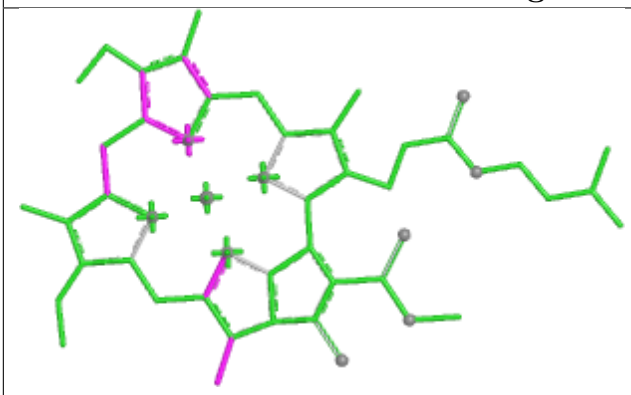
Bond angles

Torsions



Rings

Ligand CLA d 603



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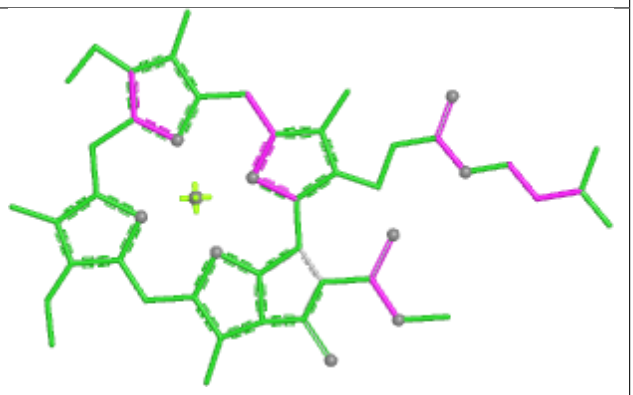
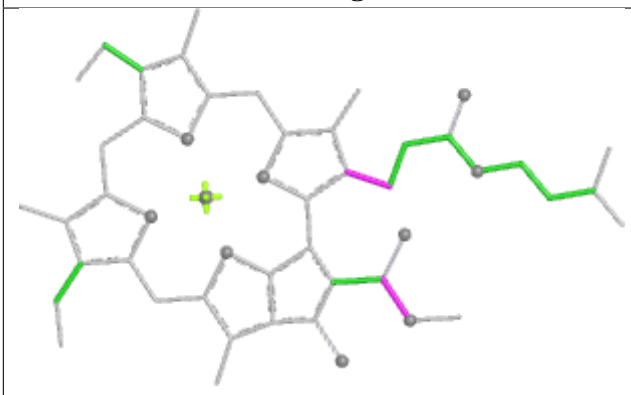


Bond angles



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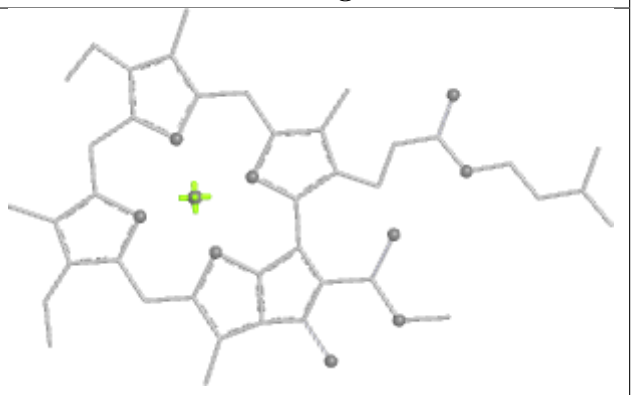
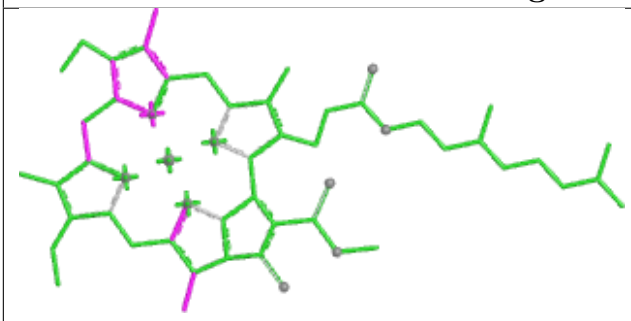


Rings

Ligand CLA 8 305



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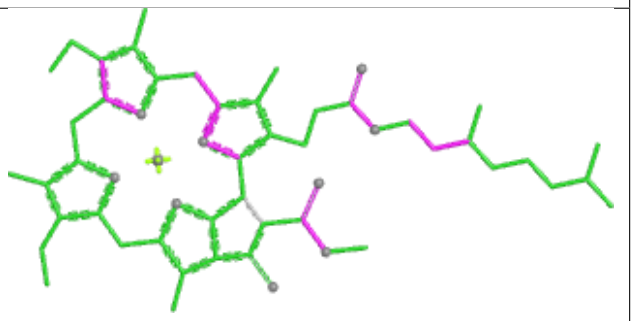

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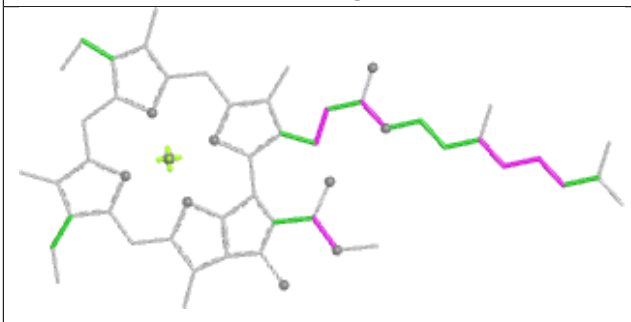

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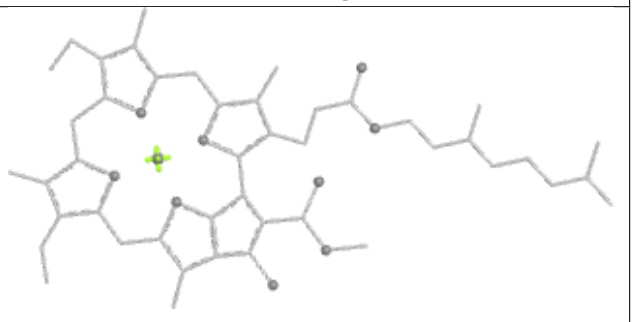
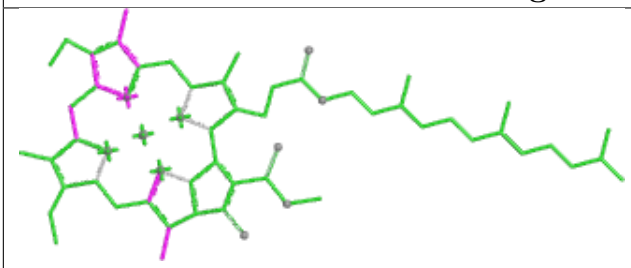


Rings

Ligand CLA c 604



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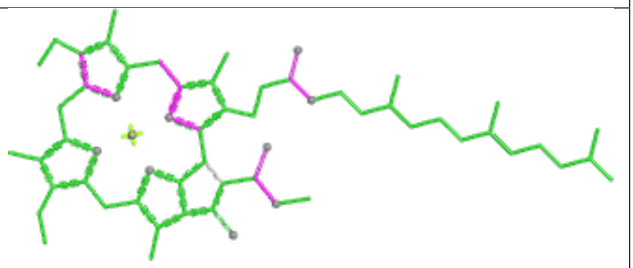

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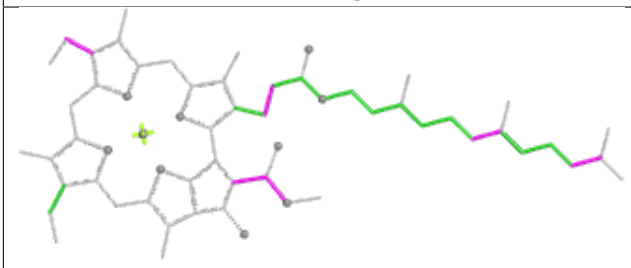

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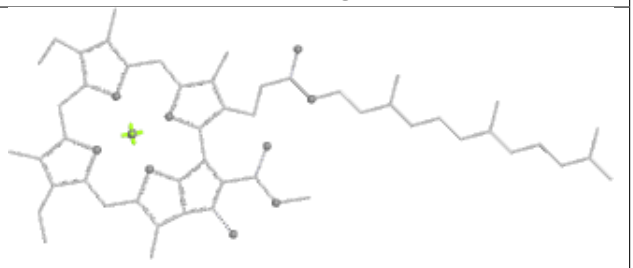
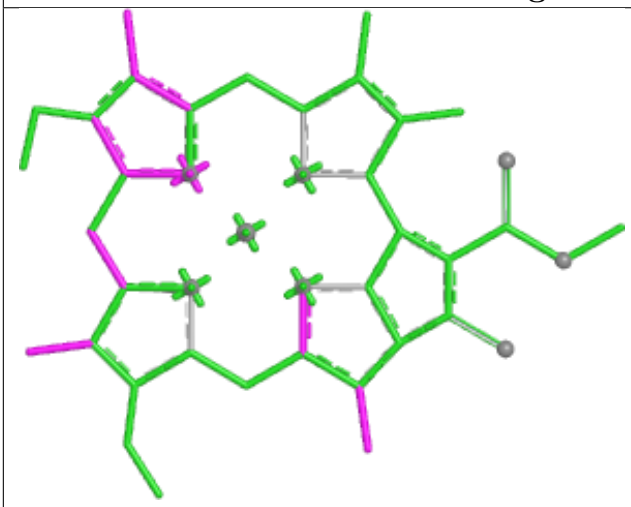


Rings

Ligand CLA 8 307



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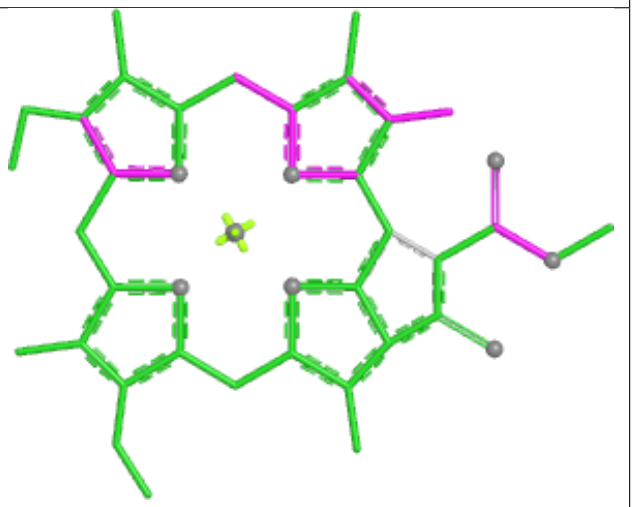

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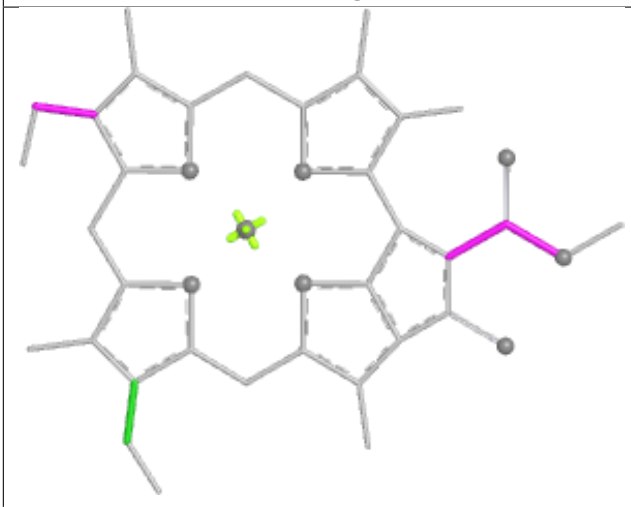

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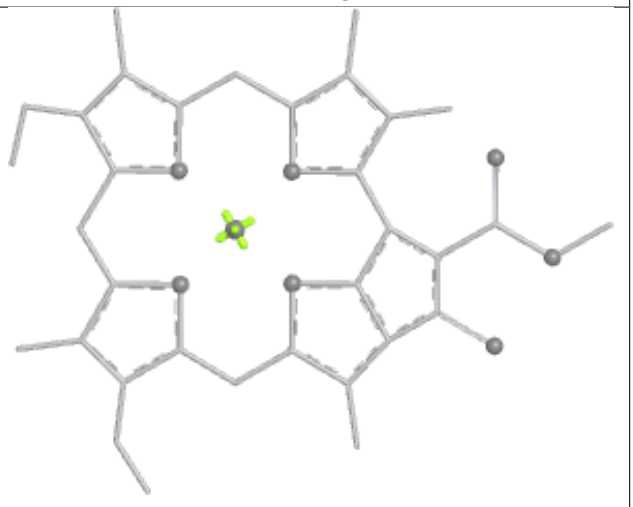
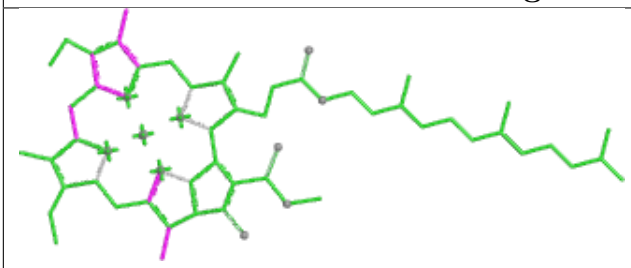


Rings

Ligand CLA A 809



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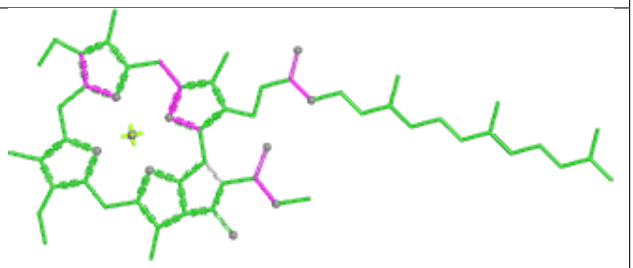
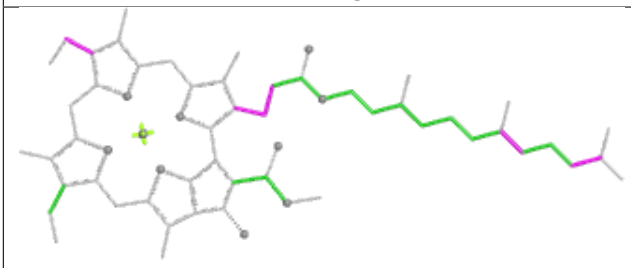


Bond angles



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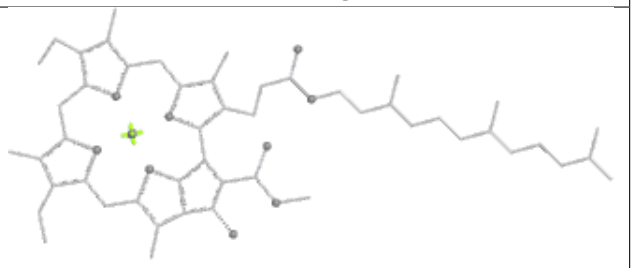
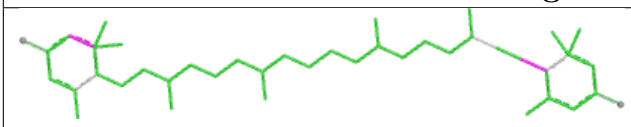


Rings

Ligand II3 1 615



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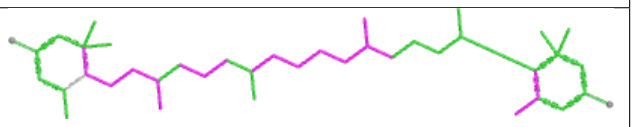
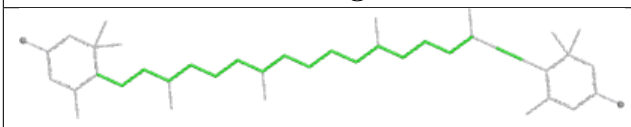
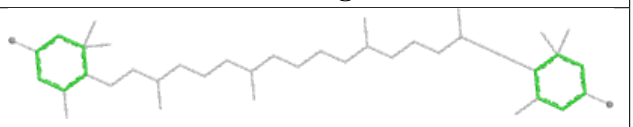


Bond angles

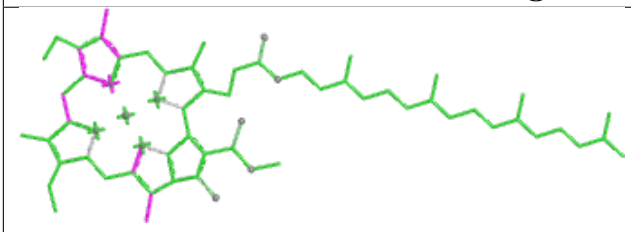


Torsions



Rings

Ligand CLA d 607



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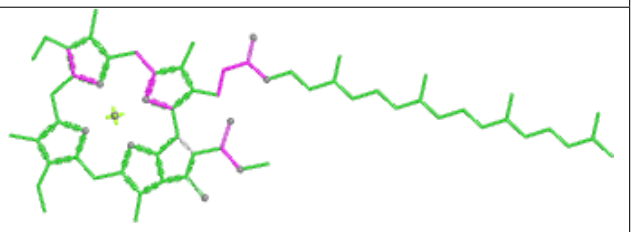
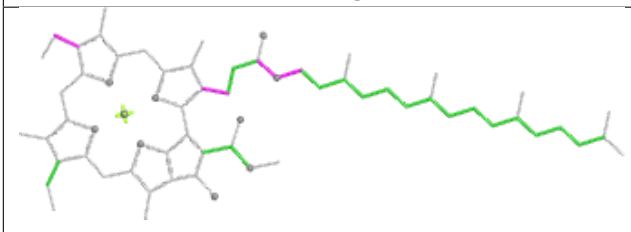
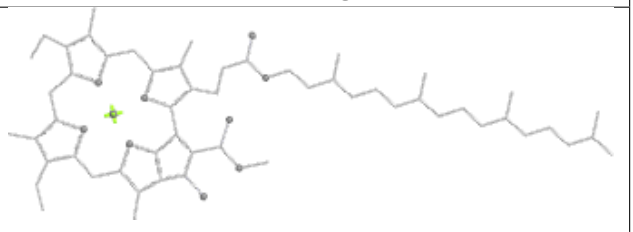


Bond angles

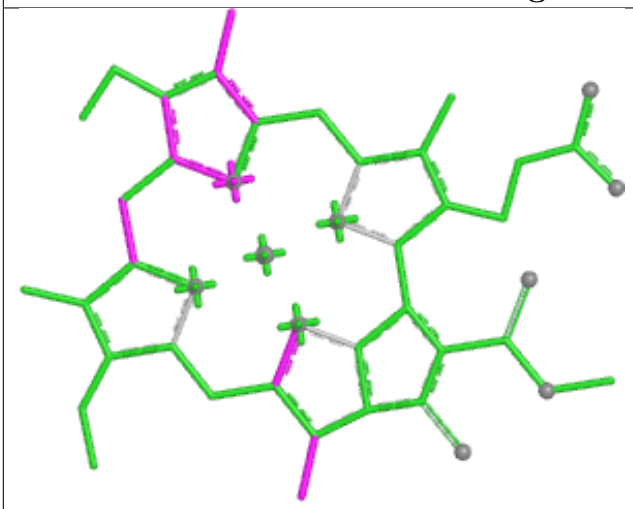


Torsions

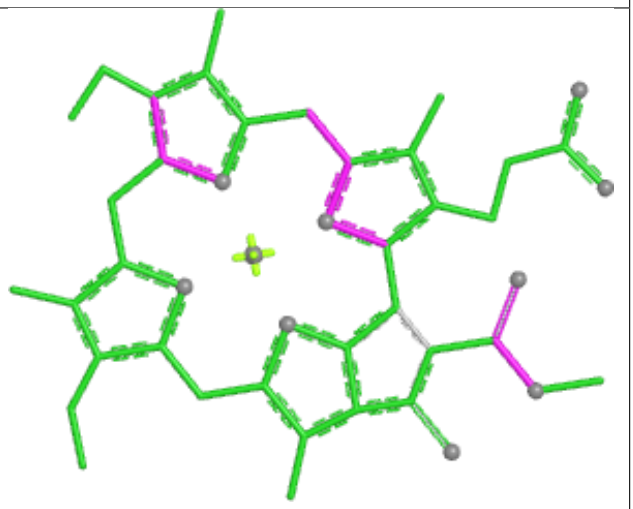


Rings

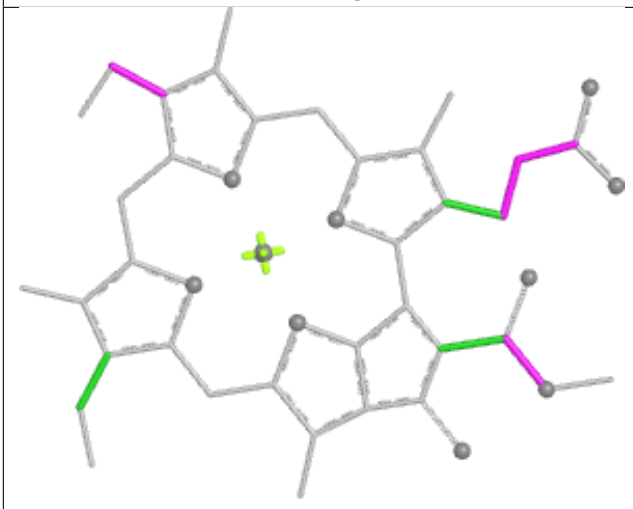
Ligand CLA 9 313



Bond lengths



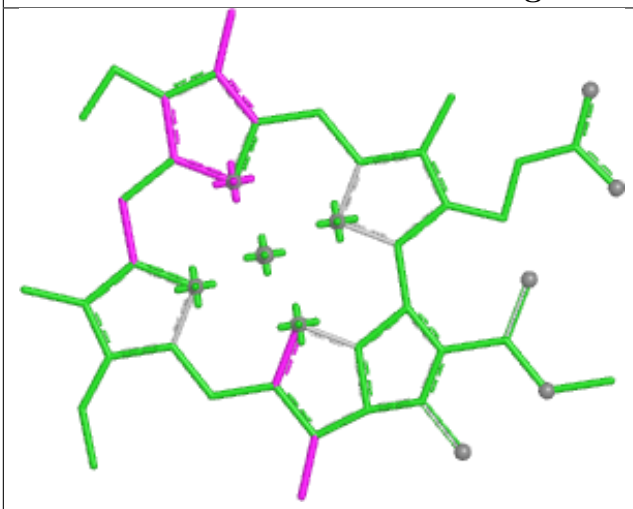
Bond angles



Torsions

Rings

Ligand CLA B 830



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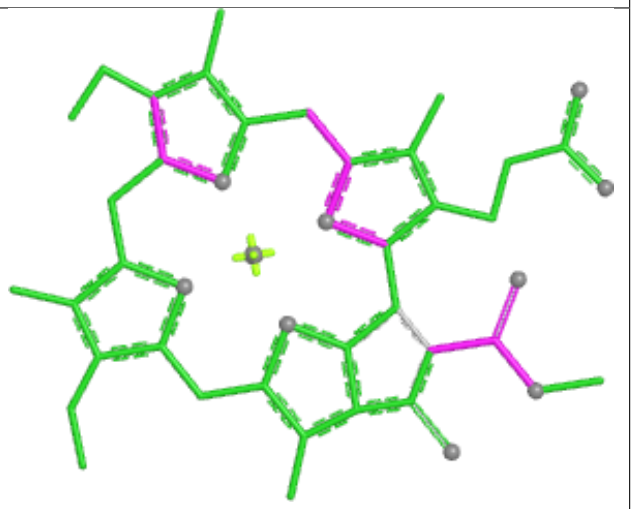
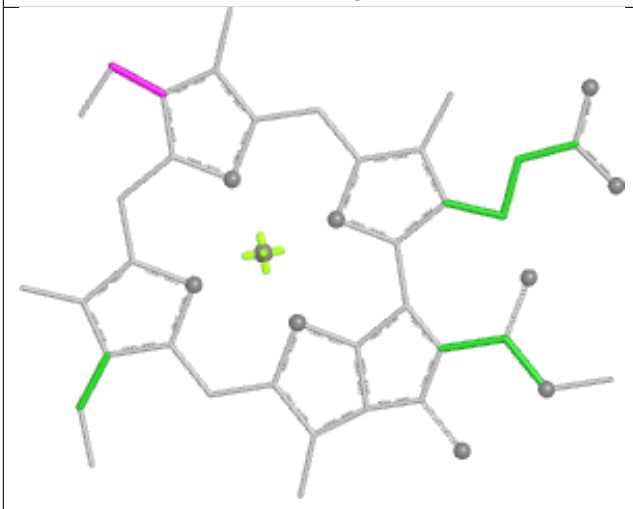


Bond angles



Torsions

Rings

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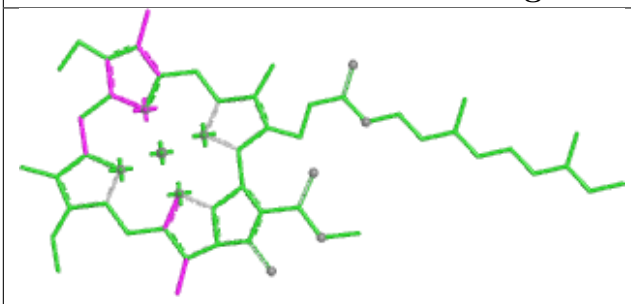
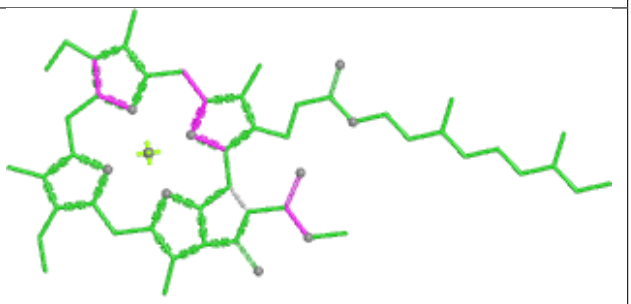
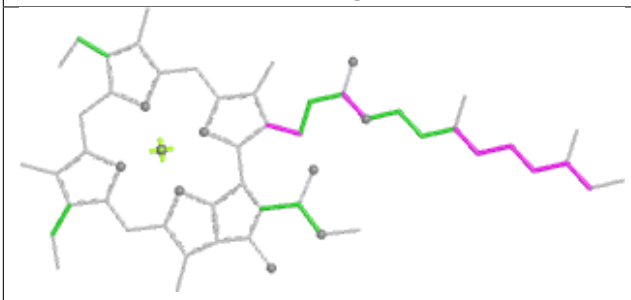
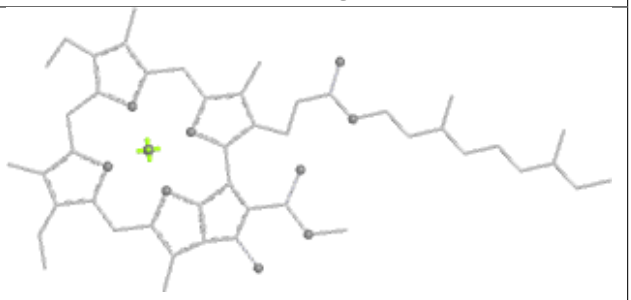
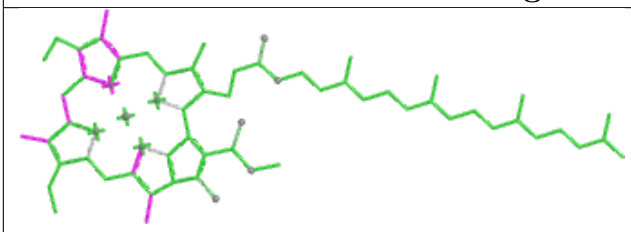
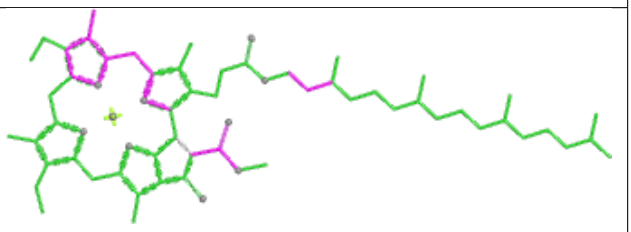
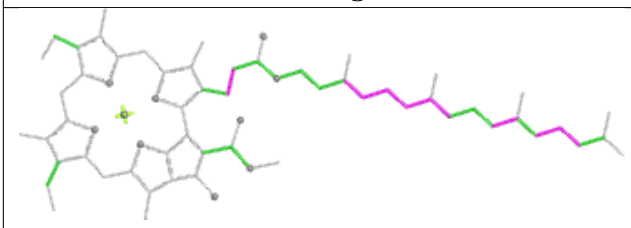
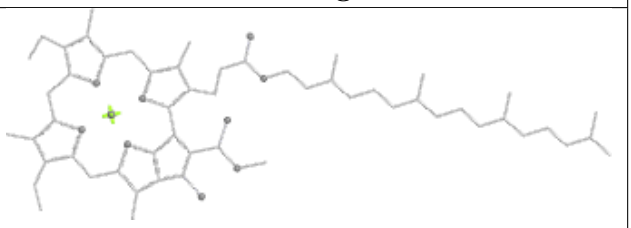
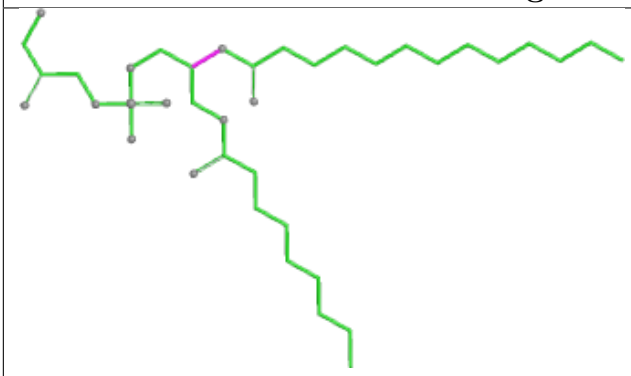
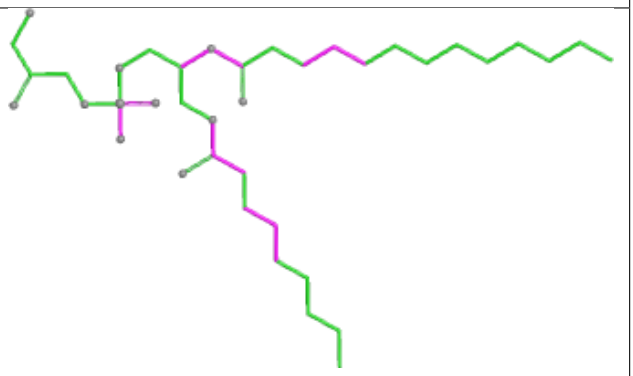
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA A 840	
	
Bond lengths	Bond angles
	
Torsions	Rings

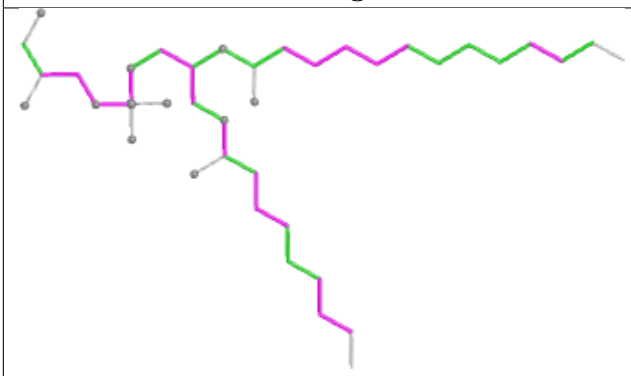
Ligand LHG 2 619



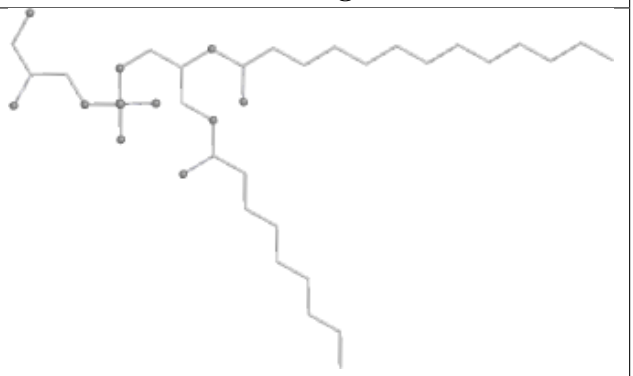
Bond lengths



Bond angles

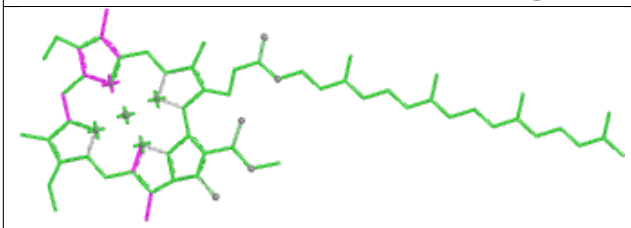


Torsions



Rings

Ligand CLA 4 608



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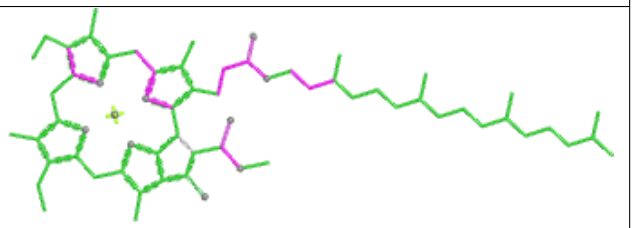
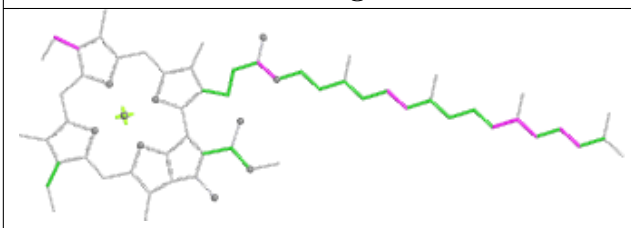
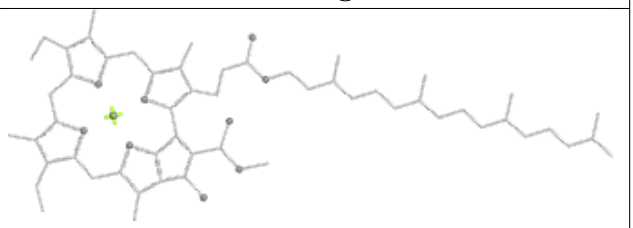


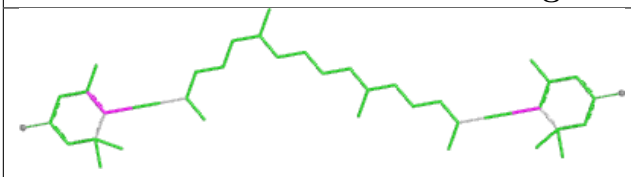
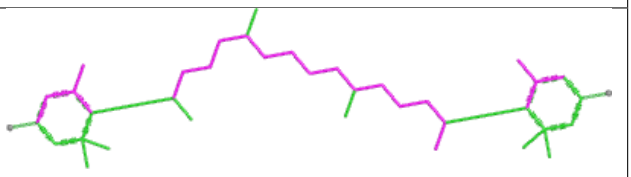
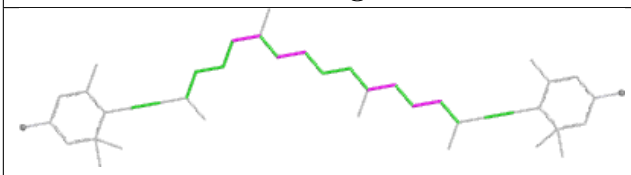
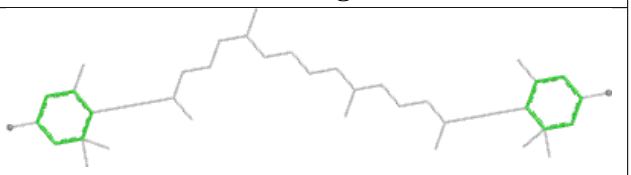
Bond angles



Torsions



Rings

Ligand II0 2 615	
 Bond lengths	 Bond angles
 Torsions	 Rings

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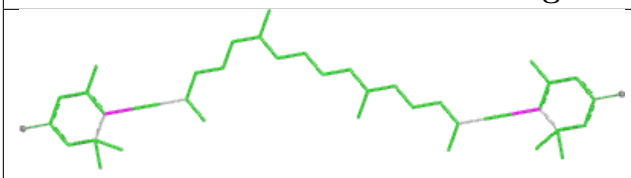
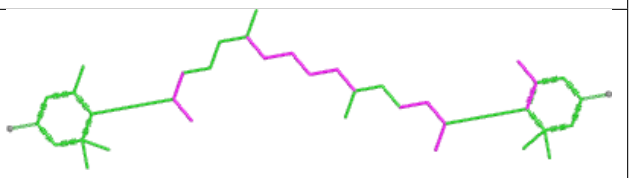
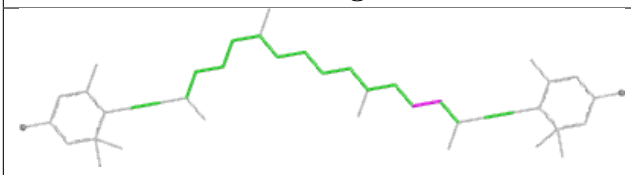
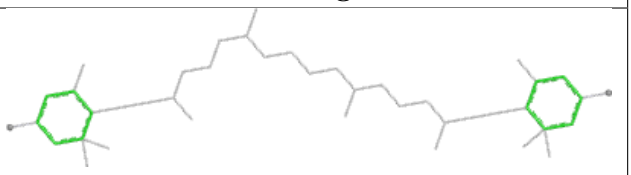
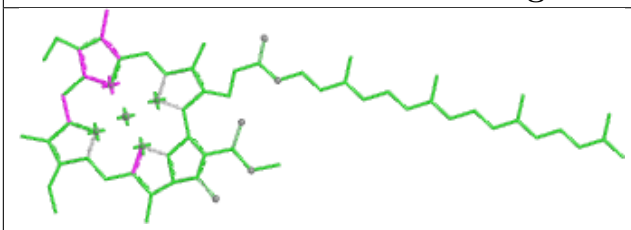
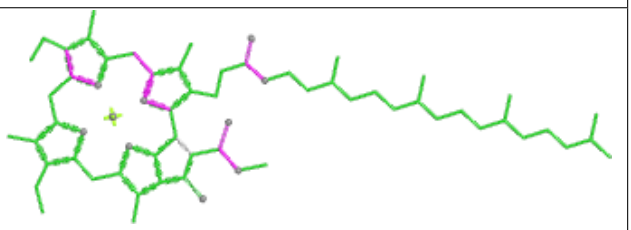
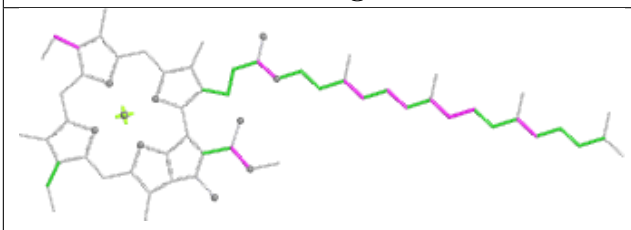
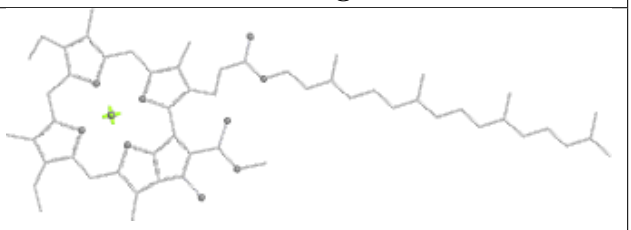
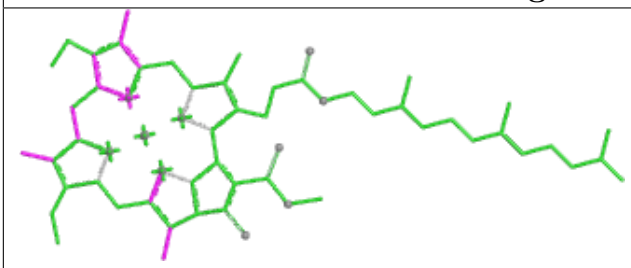
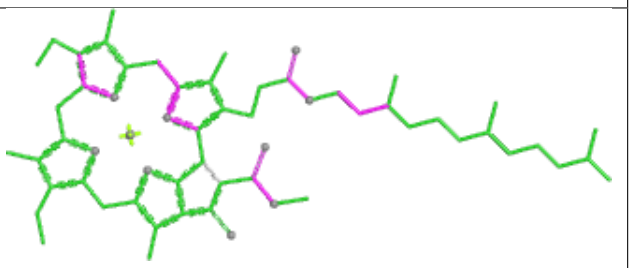
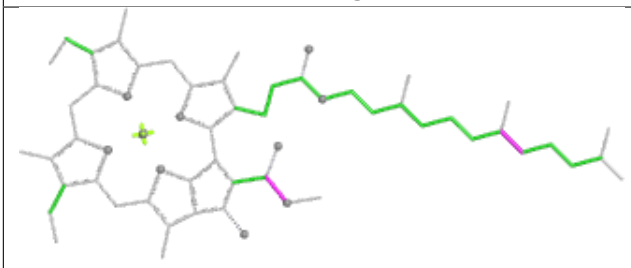
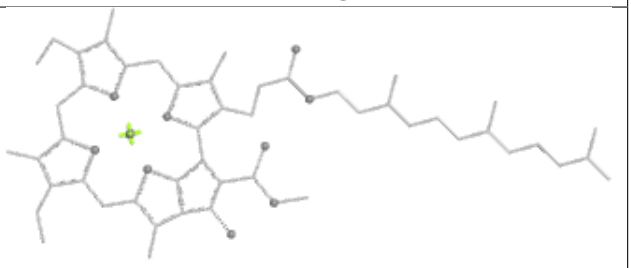
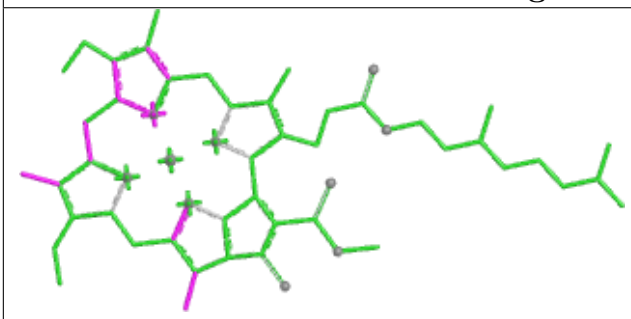
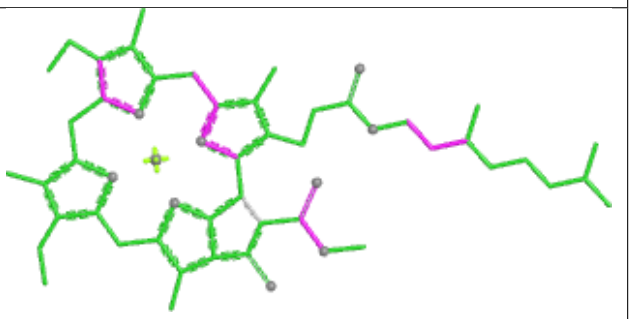
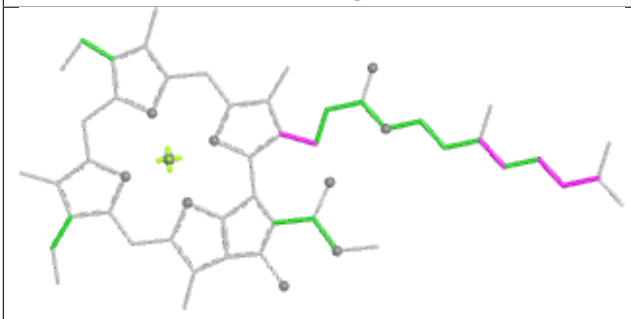
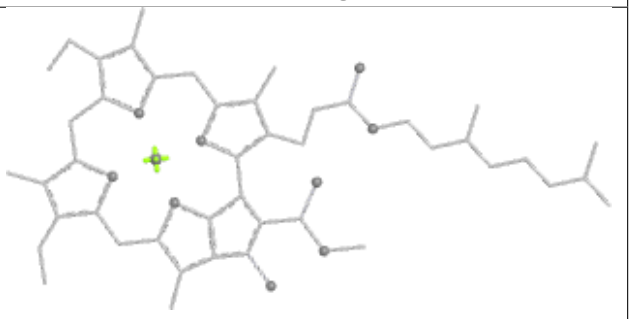
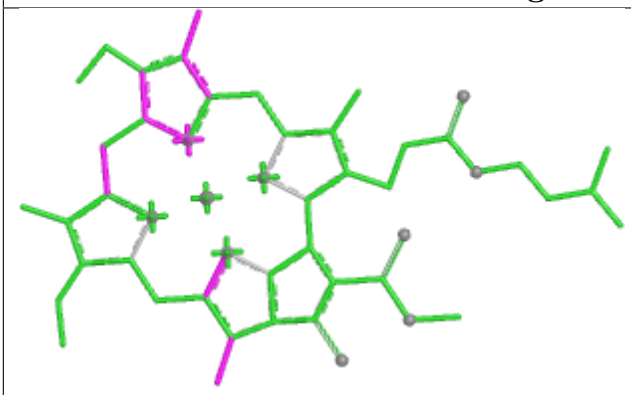
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA b 608	
 Bond lengths	 Bond angles
 Torsions	 Rings

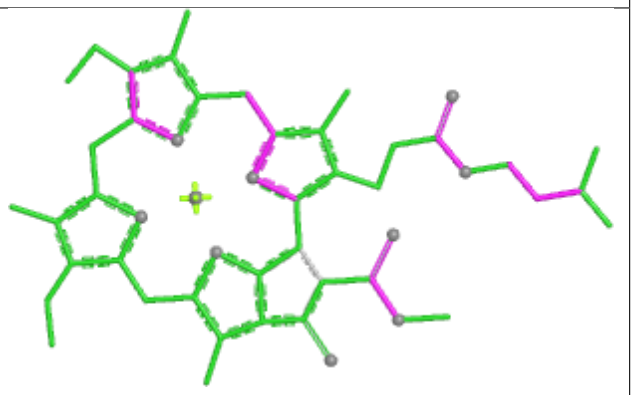
Ligand CLA 6 608	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA 7 304	
 Bond lengths	 Bond angles
 Torsions	 Rings

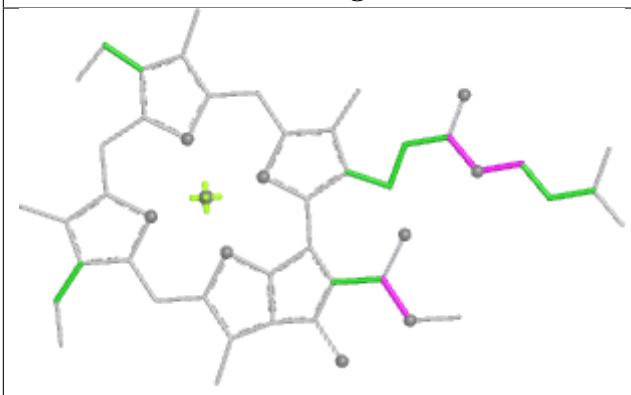
Ligand CLA d 611



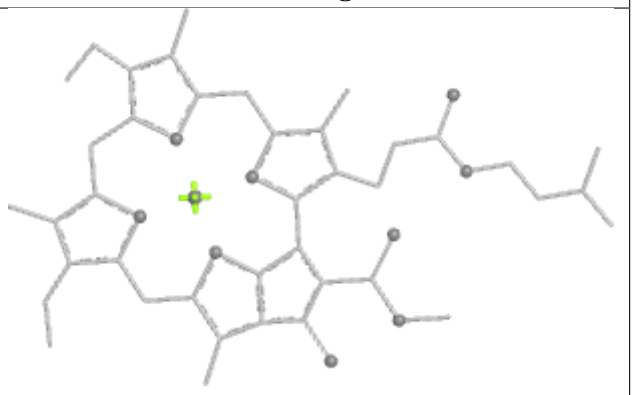
Bond lengths



Bond angles

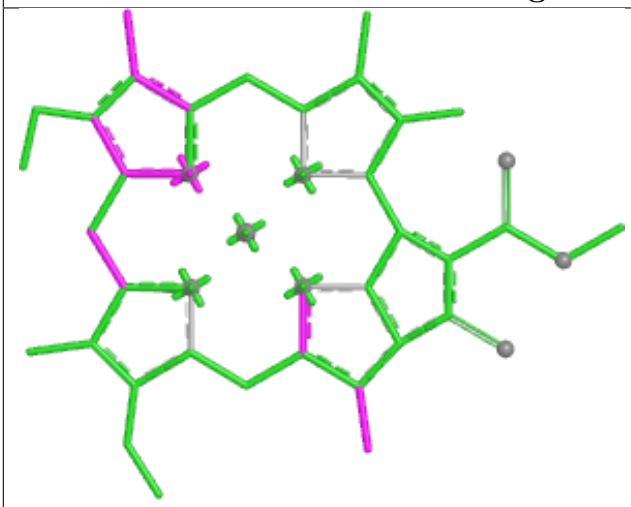


Torsions



Rings

Ligand CLA 7 309



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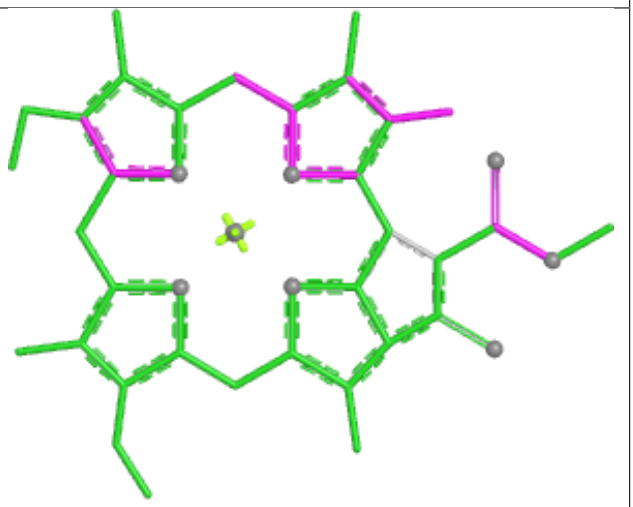
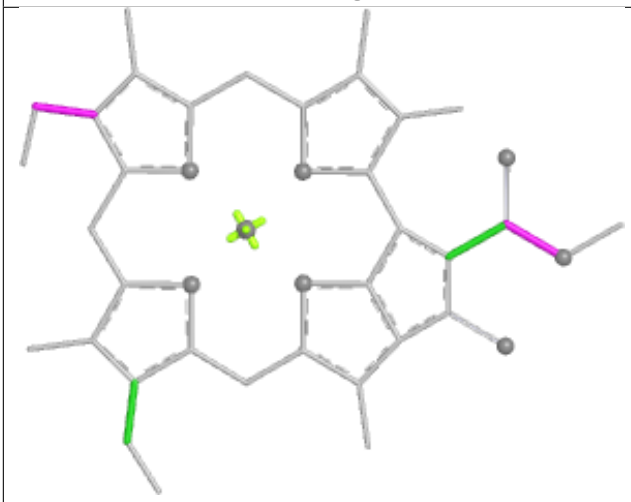
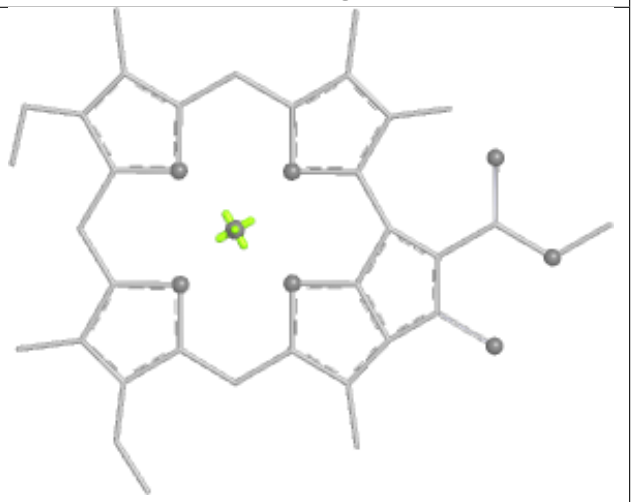


Bond angles

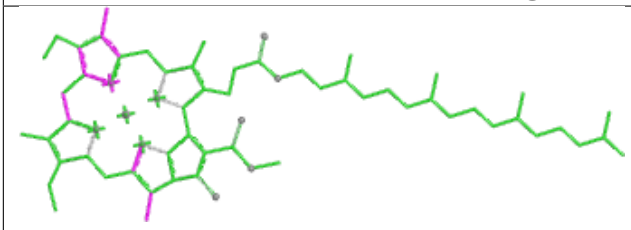


Torsions

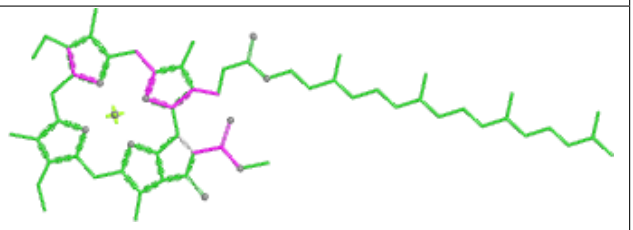


Rings

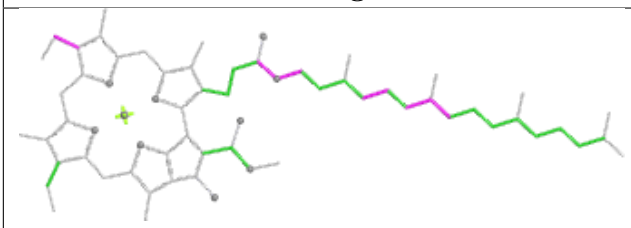
Ligand CLA A 824



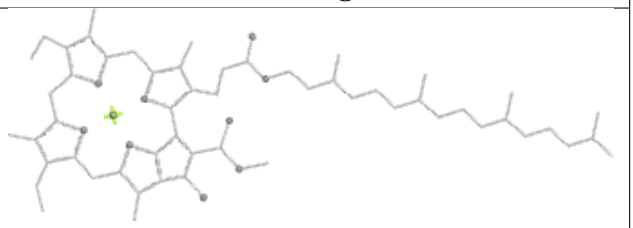
Bond lengths



Bond angles

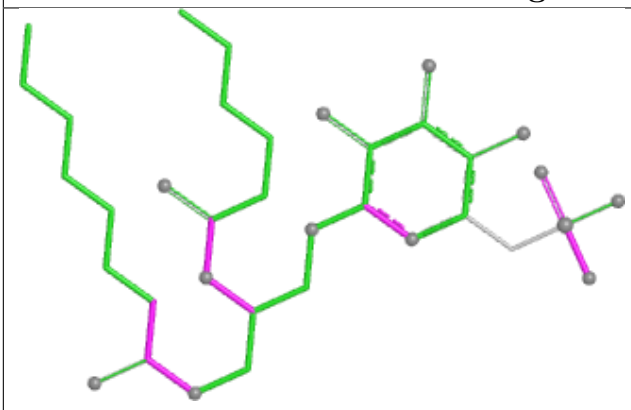


Torsions

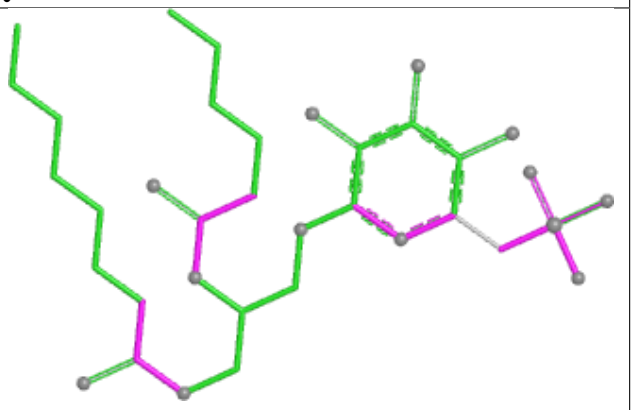


Rings

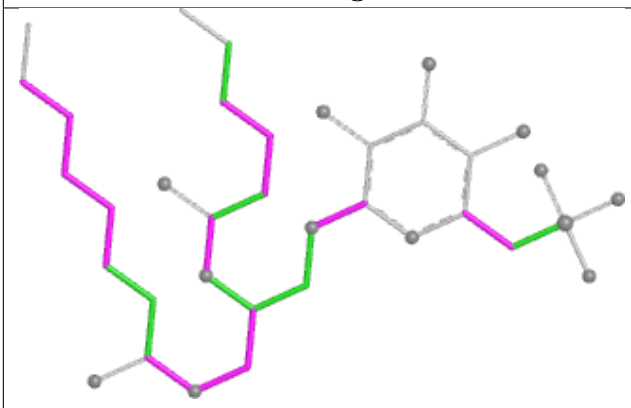
Ligand SQD 3 322



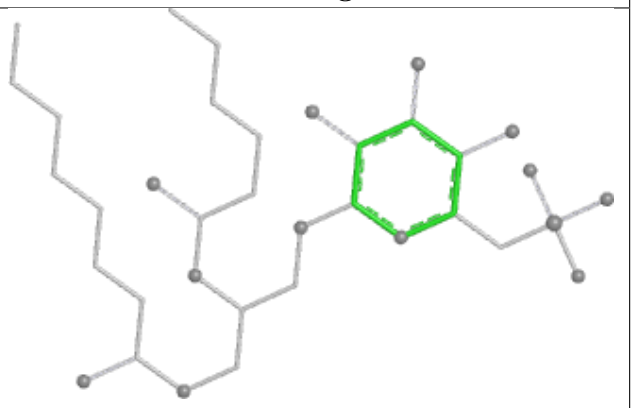
Bond lengths



Bond angles

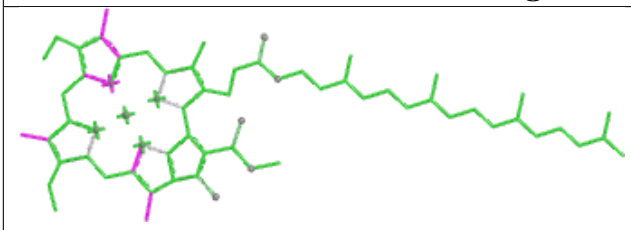


Torsions

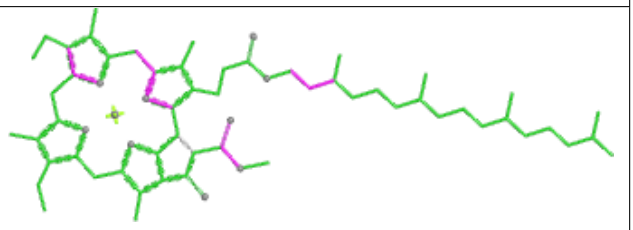


Rings

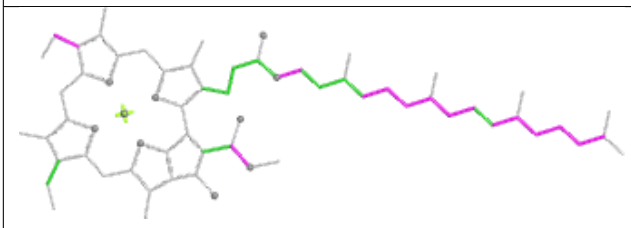
Ligand CLA B 803



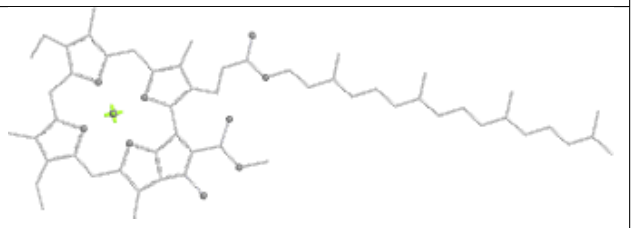
Bond lengths



Bond angles

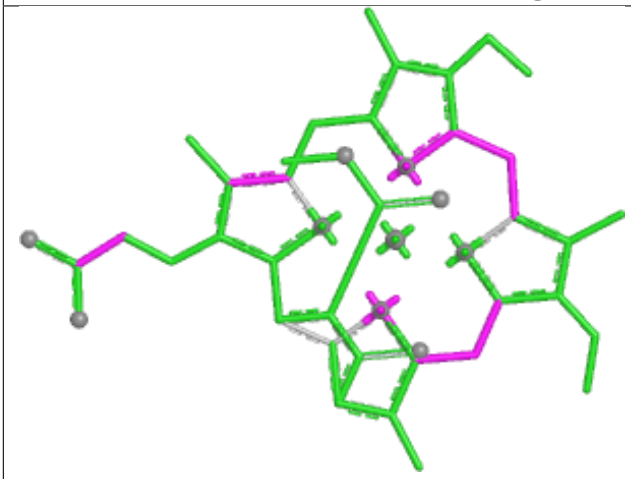


Torsions



Rings

Ligand KC2 b 605



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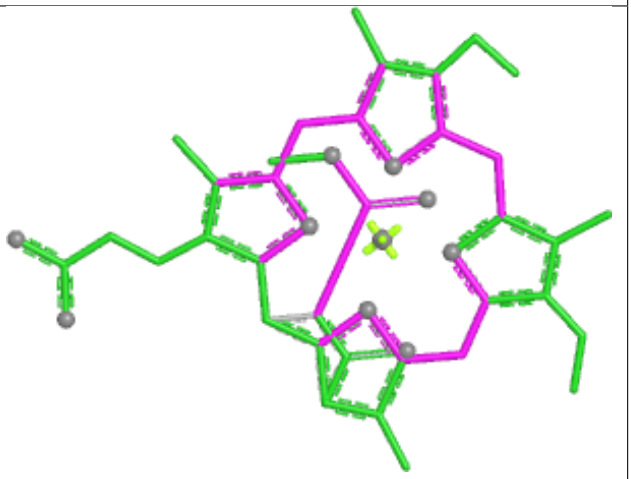
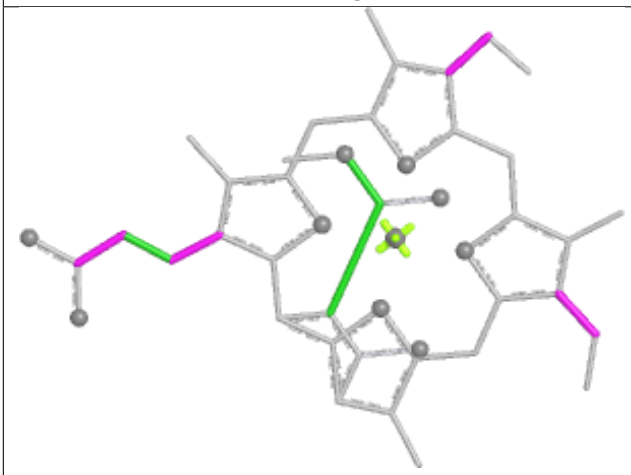


Bond angles



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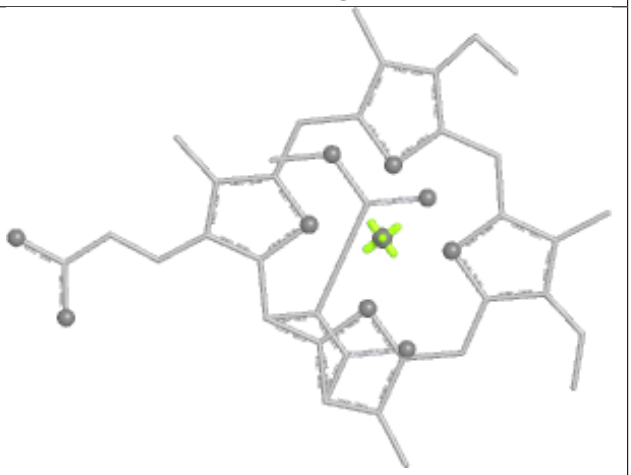
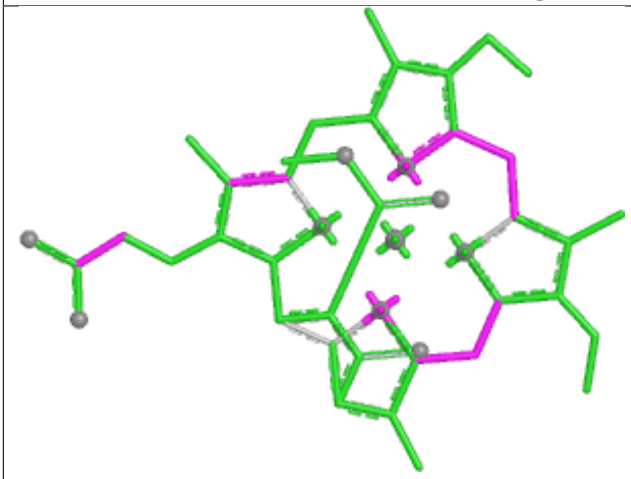


Rings

Ligand KC2 c 611



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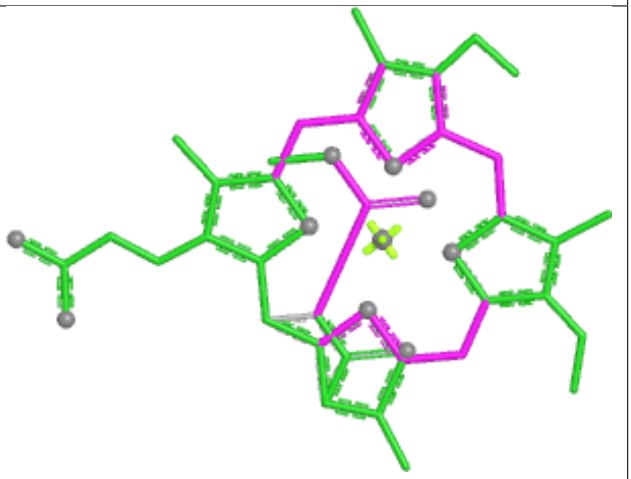
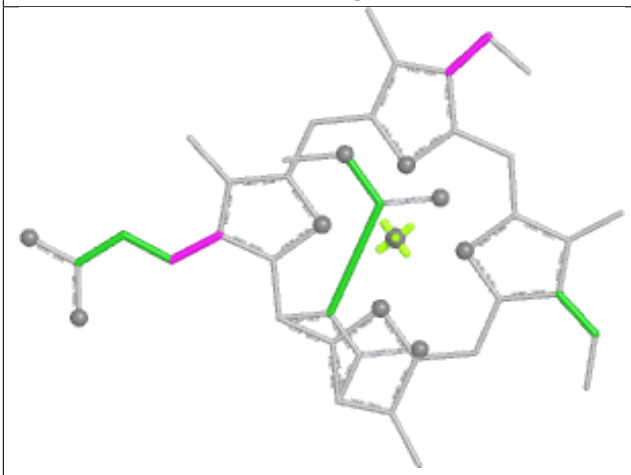


Bond angles



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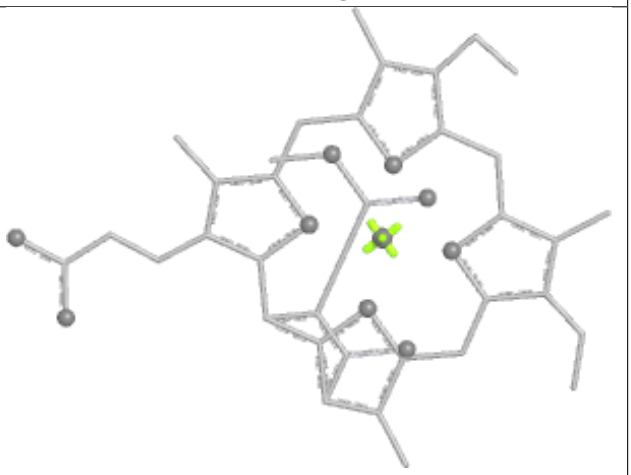
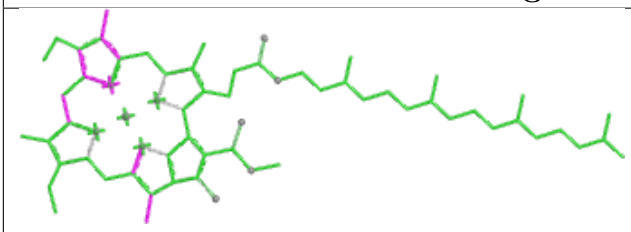


Rings

Ligand CLA A 843



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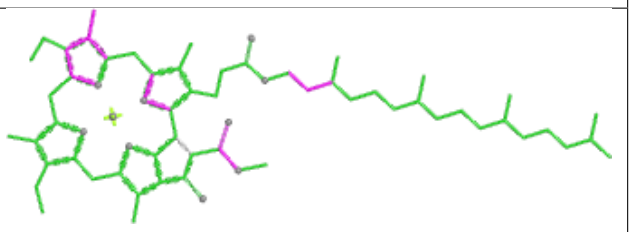
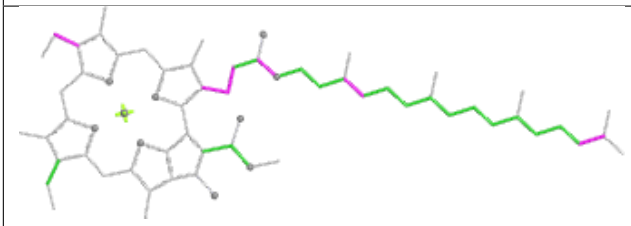


Bond angles



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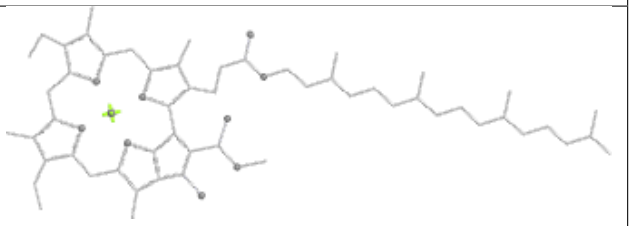
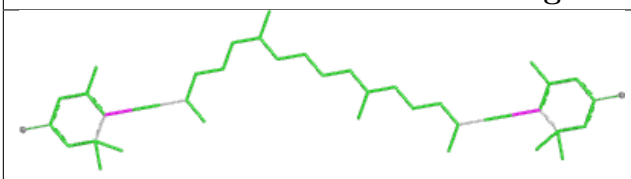


Rings

Ligand II0 c 618



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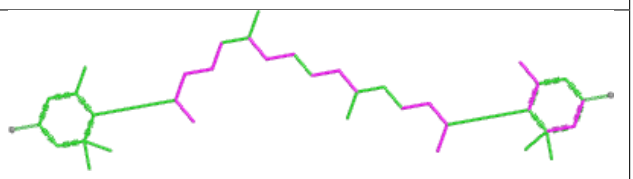
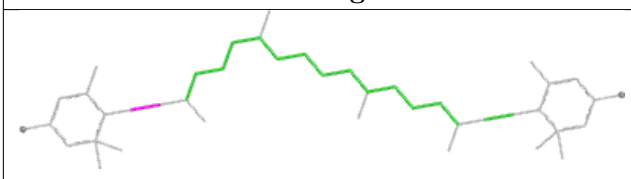


Bond angles



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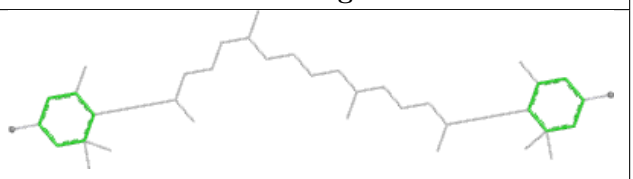
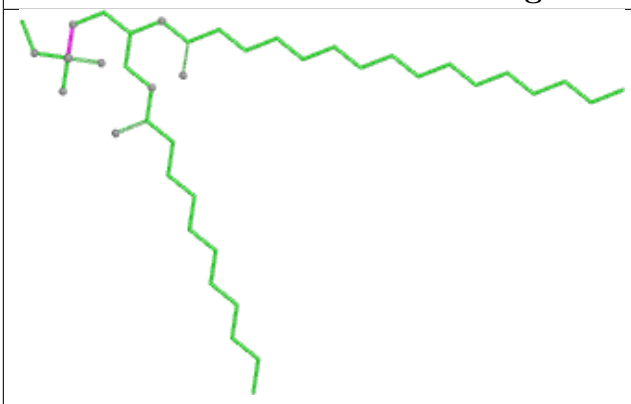
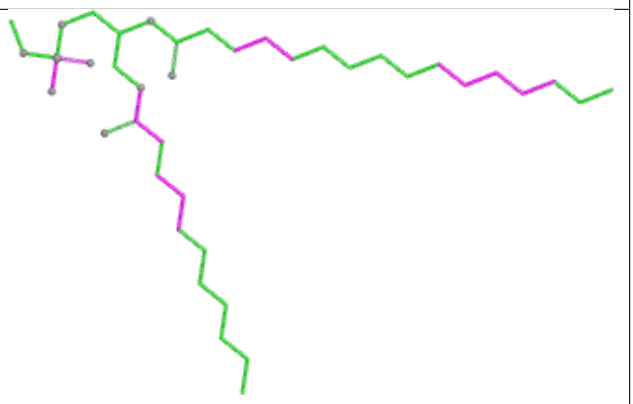


Rings

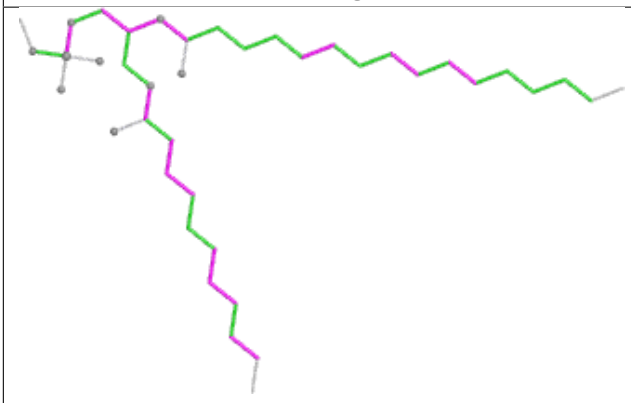
Ligand LHG Z 309



Bond lengths



Bond angles



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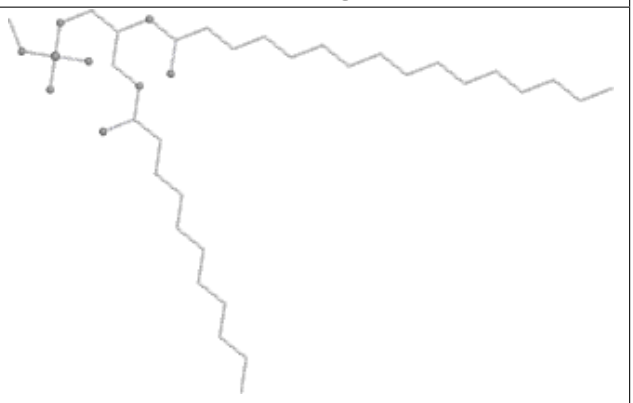
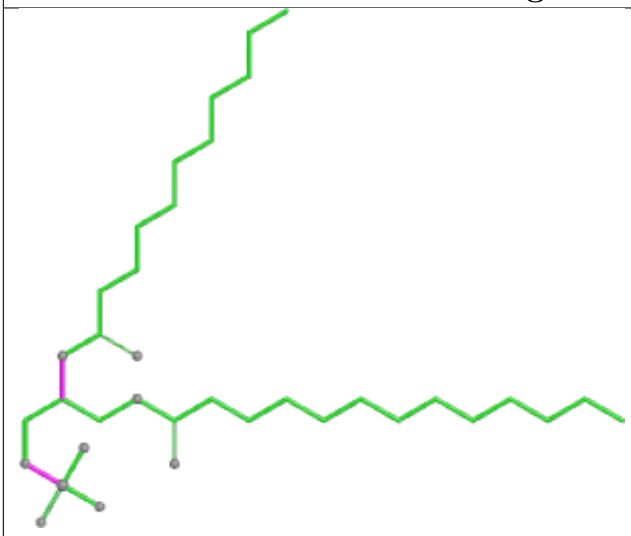


Rings

Ligand LHG 9 321



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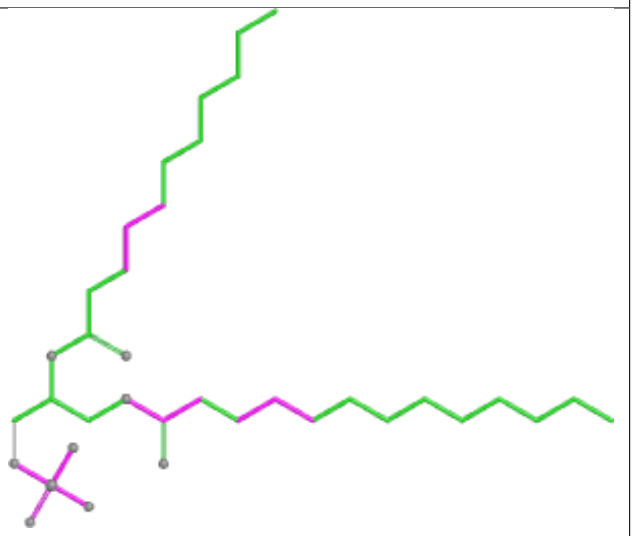
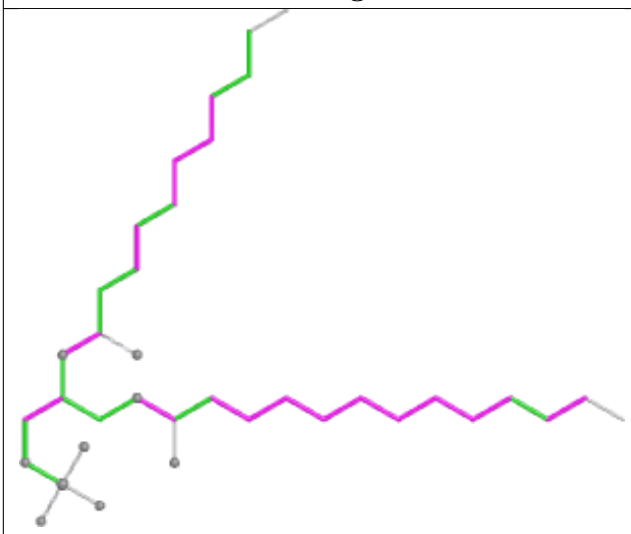


Bond angles



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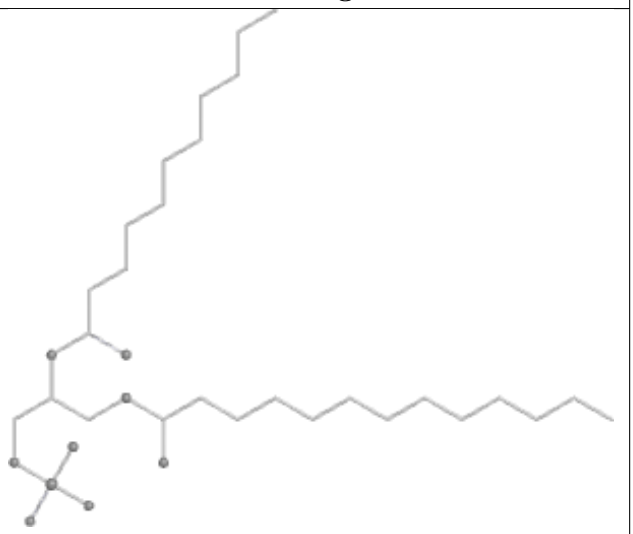
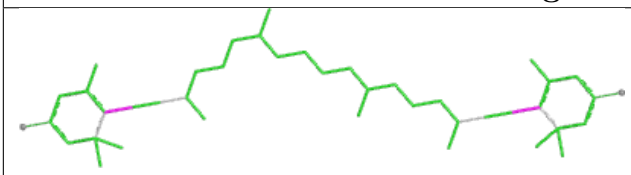


Rings

Ligand II0 5 620



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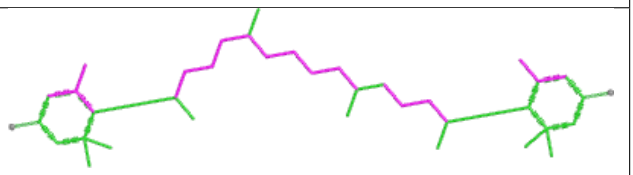
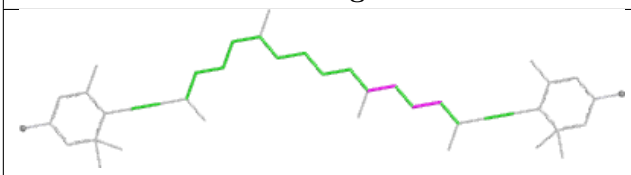


Bond angles



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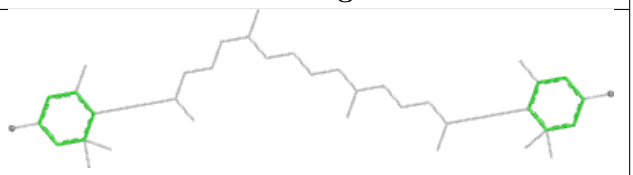
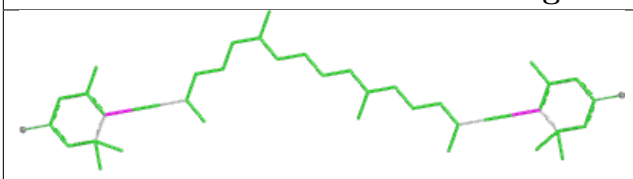


Rings

Ligand II0 4 613



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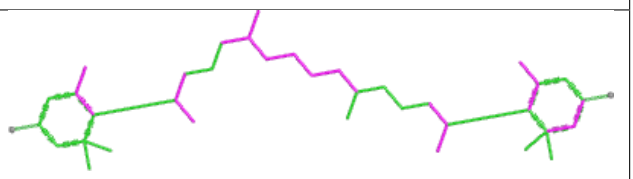

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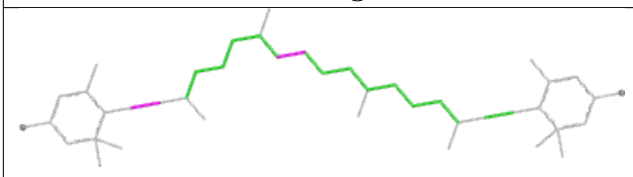

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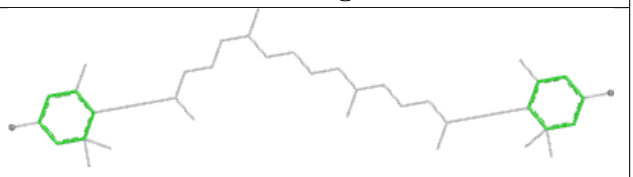
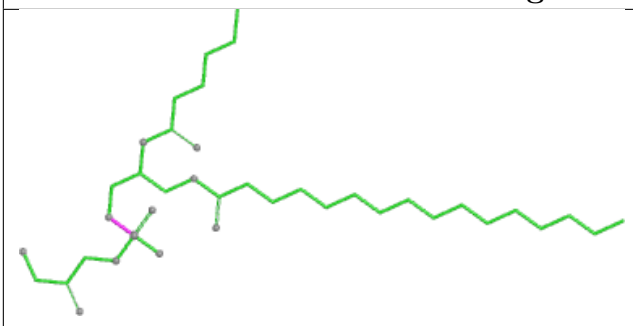


Rings

Ligand LHG 7 319



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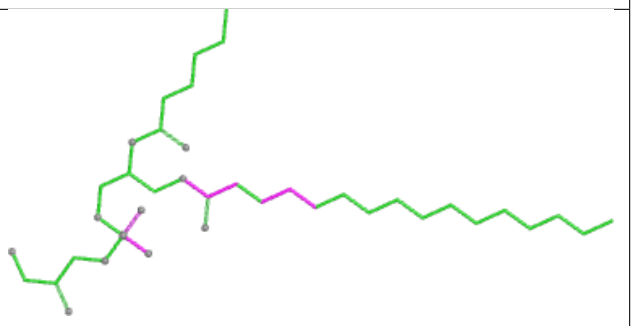
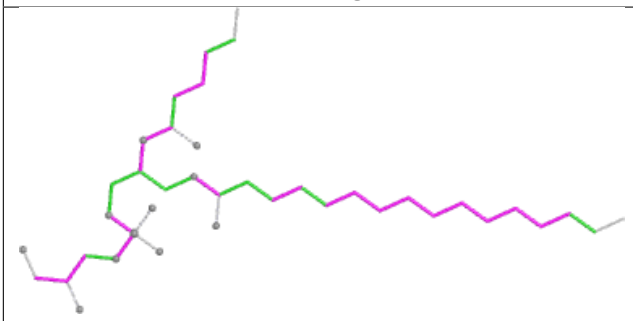


Bond angles



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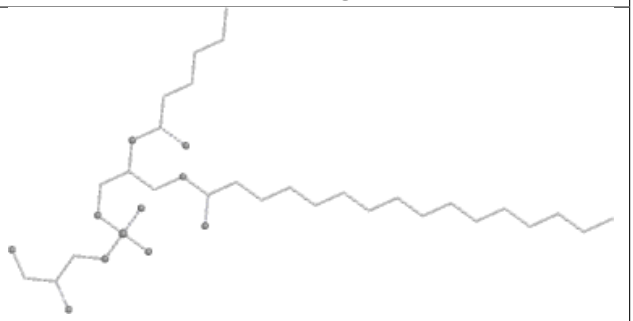
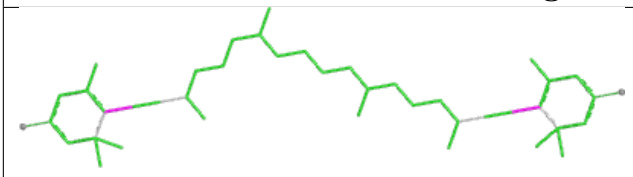


Rings

Ligand II0 1 614



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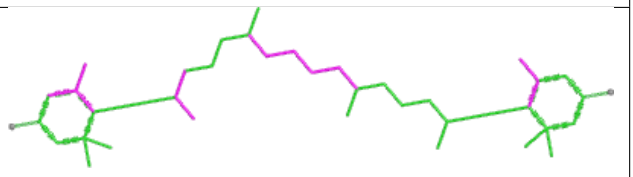
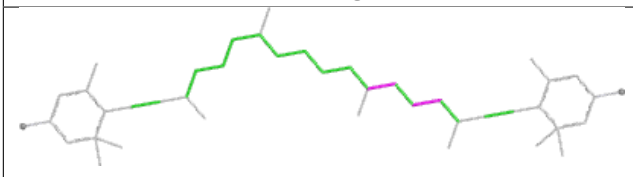


Bond angles



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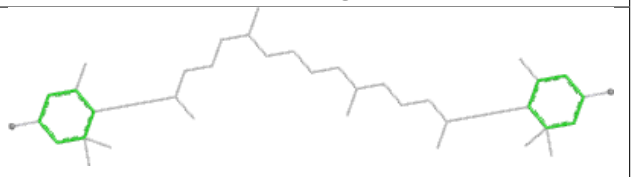
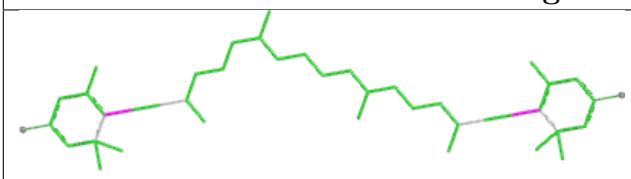


Rings

Ligand II0 1 616



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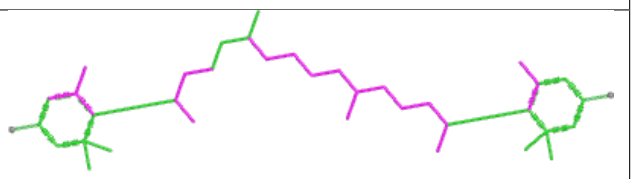
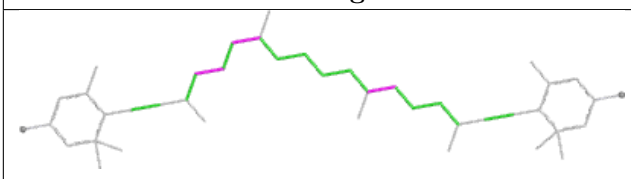
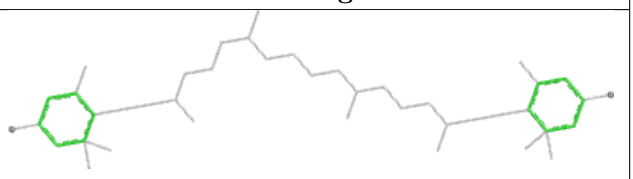


Bond angles

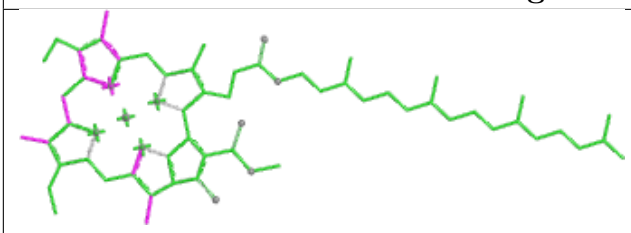


Torsions



Rings

Ligand CLA b 606



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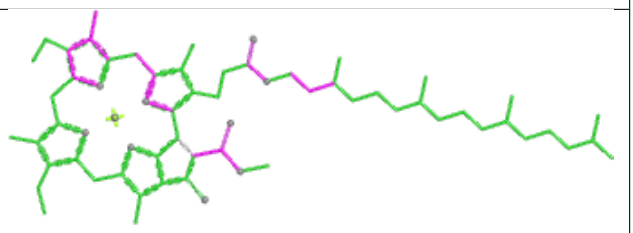
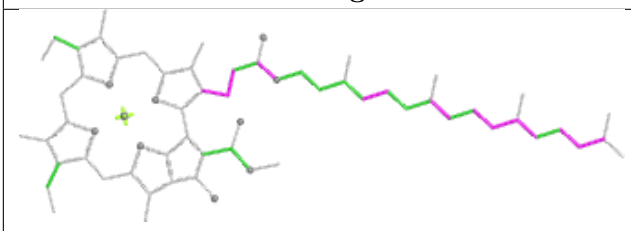
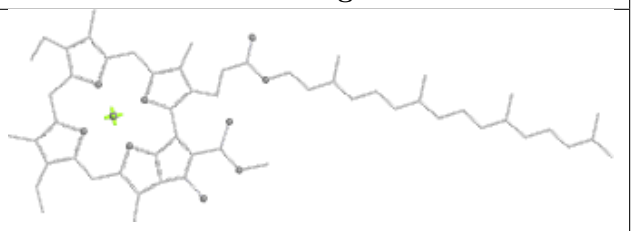


Bond angles

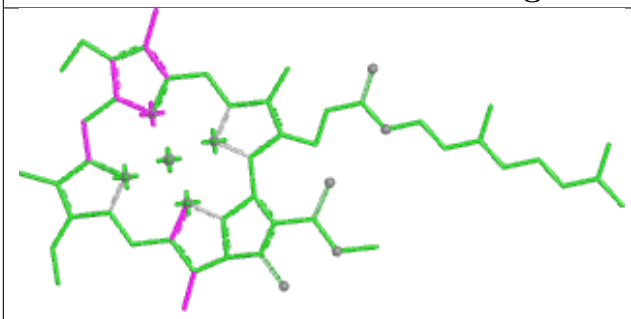


Torsions

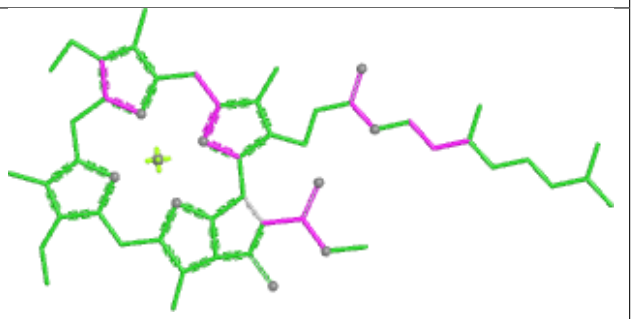


Rings

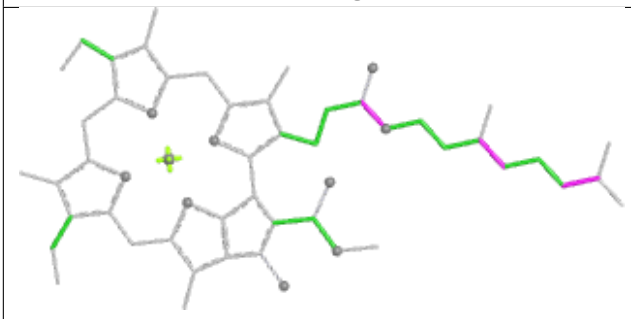
Ligand CLA A 821



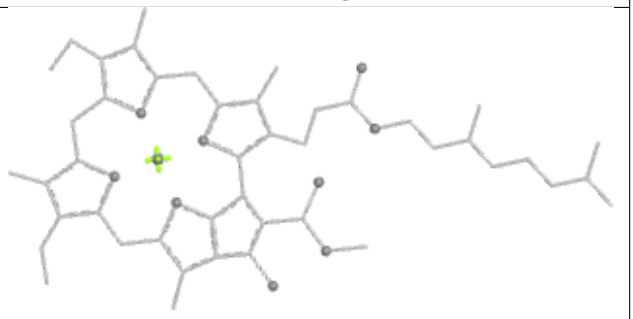
Bond lengths



Bond angles

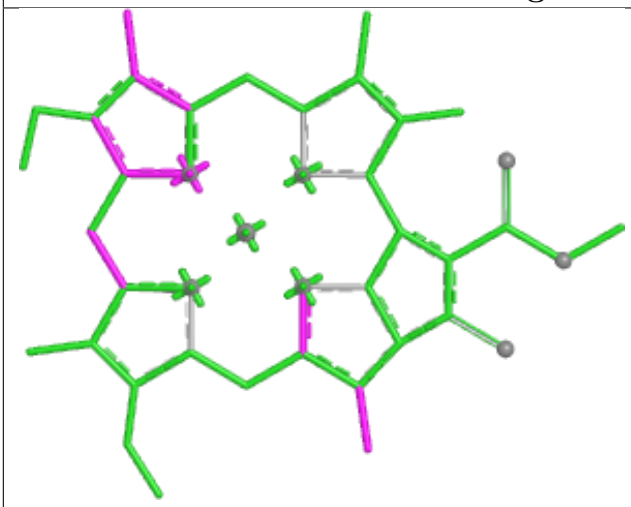


Torsions



Rings

Ligand CLA d 606



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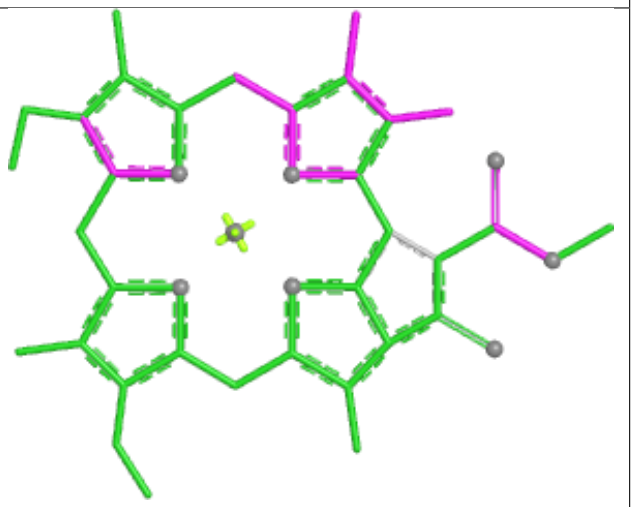

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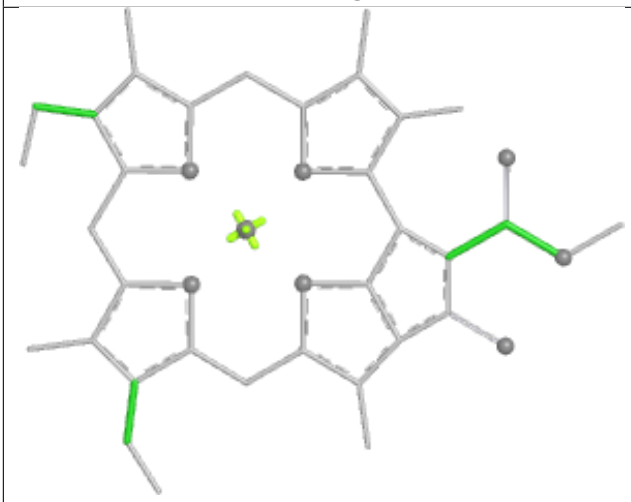

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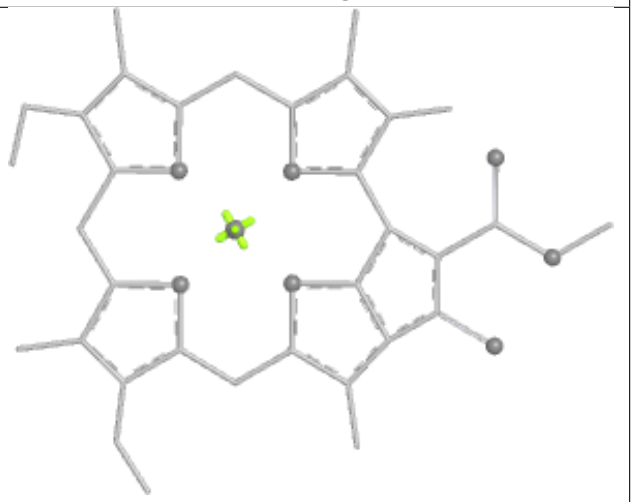
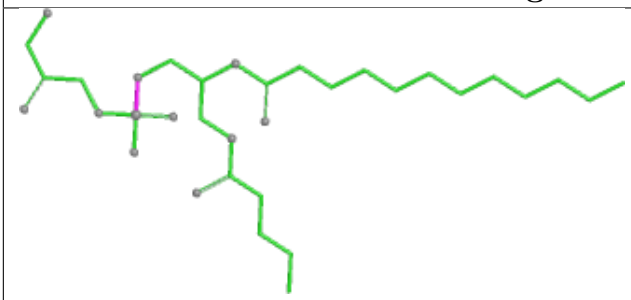


Rings

Ligand LHG J 101



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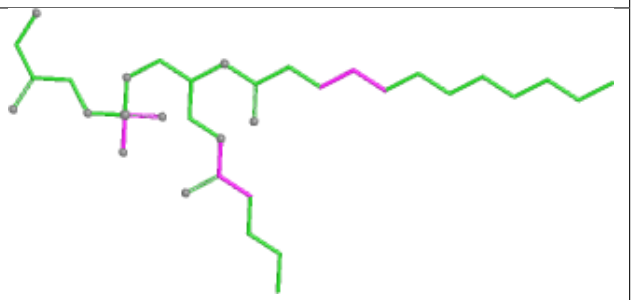

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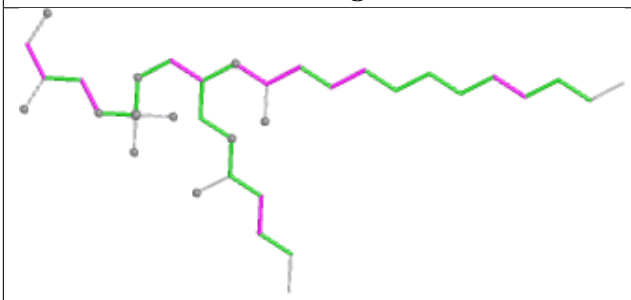

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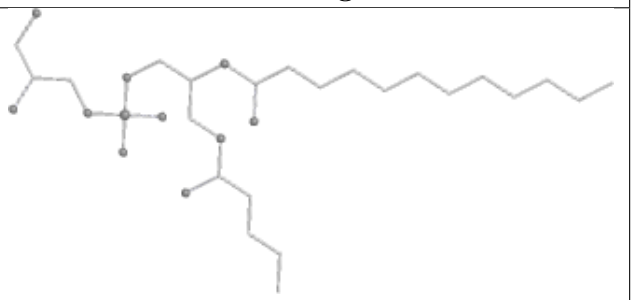
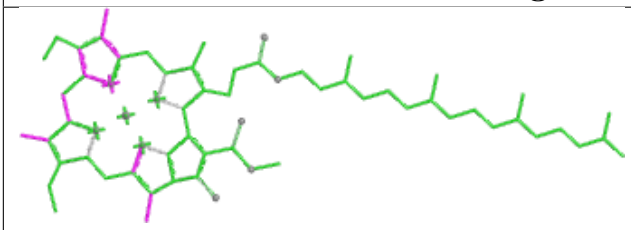


Rings

Ligand CLA c 607



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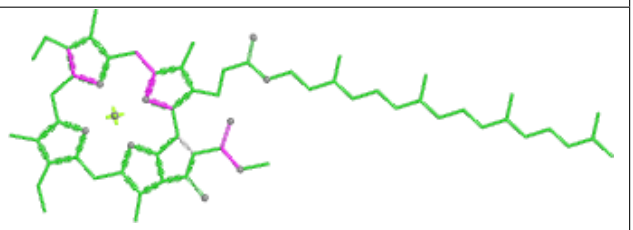

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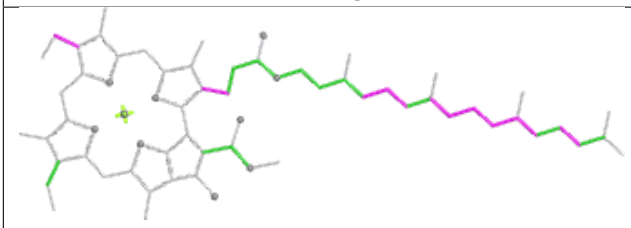

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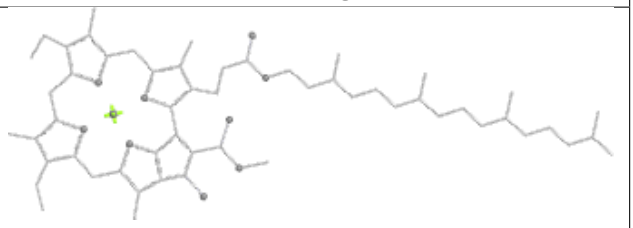
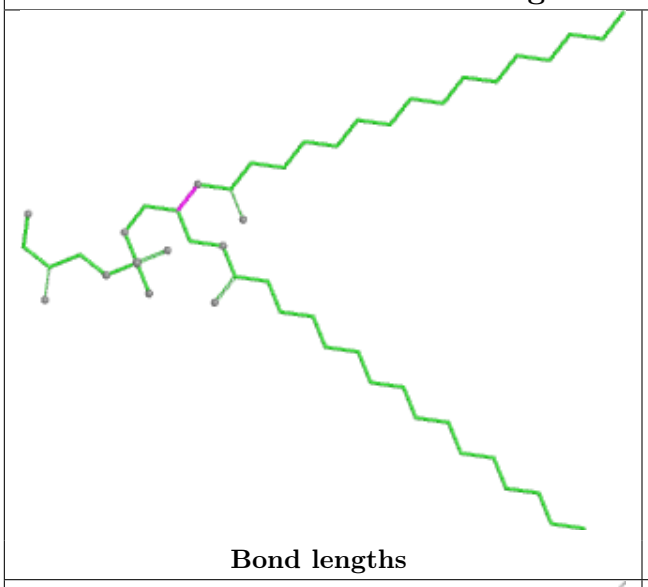


Rings

Ligand LHG 3 321



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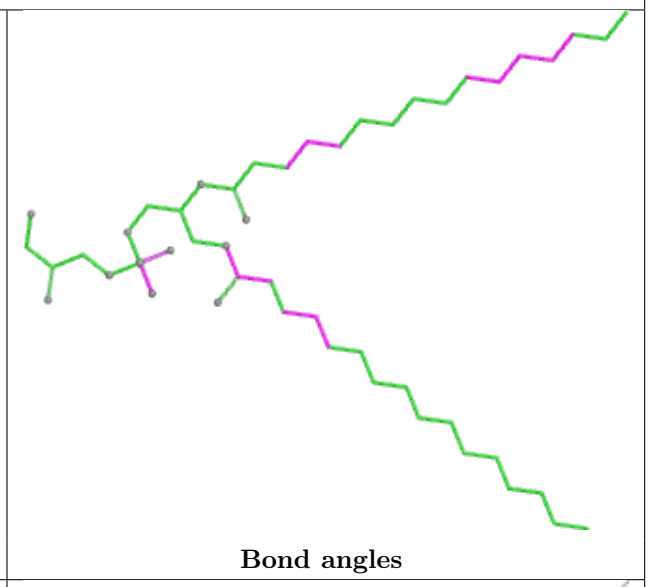

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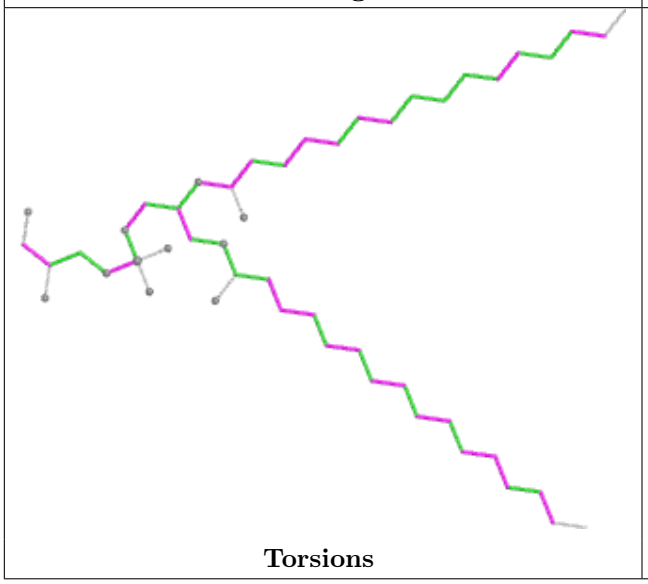

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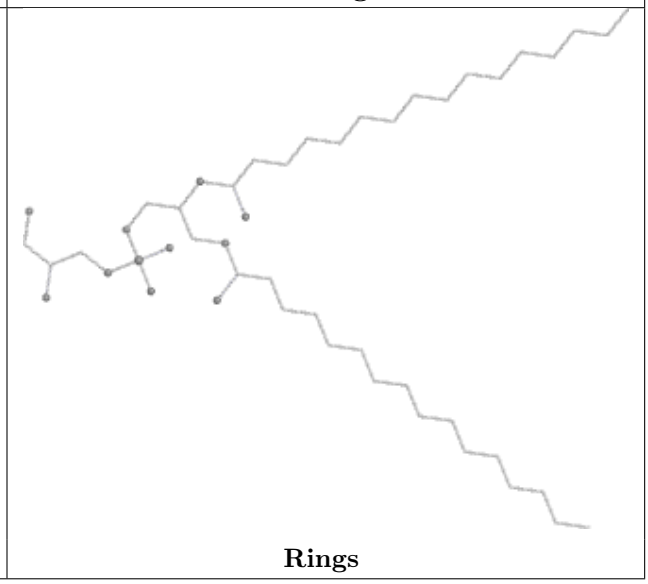
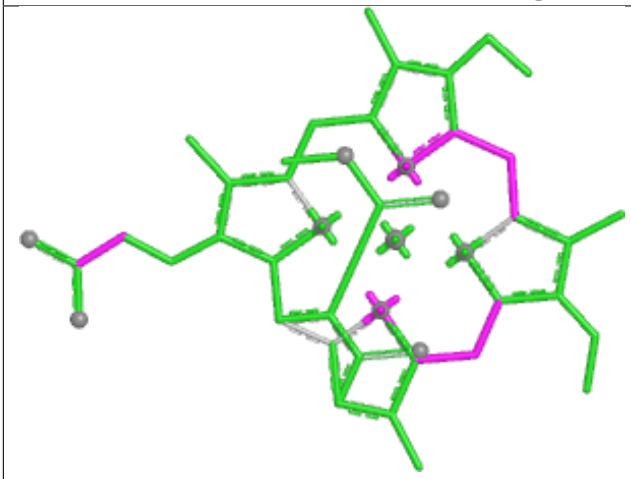


Rings

Ligand KC2 7 313



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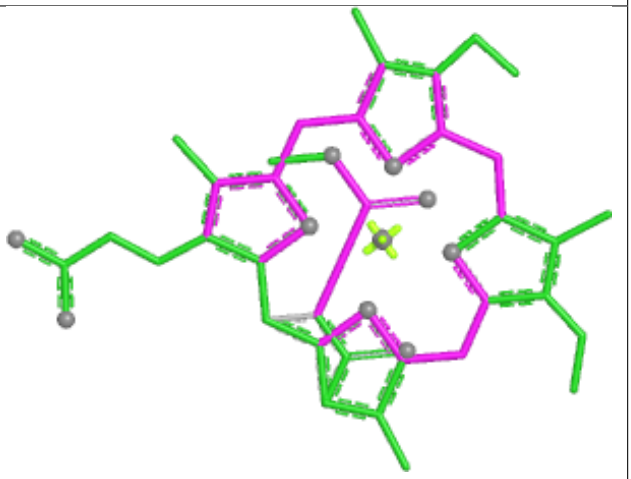

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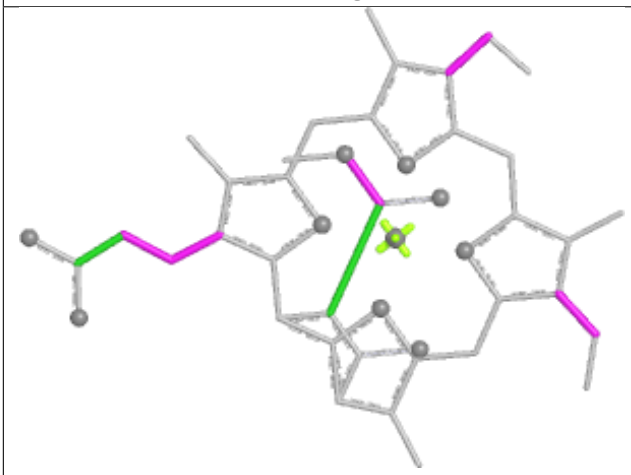

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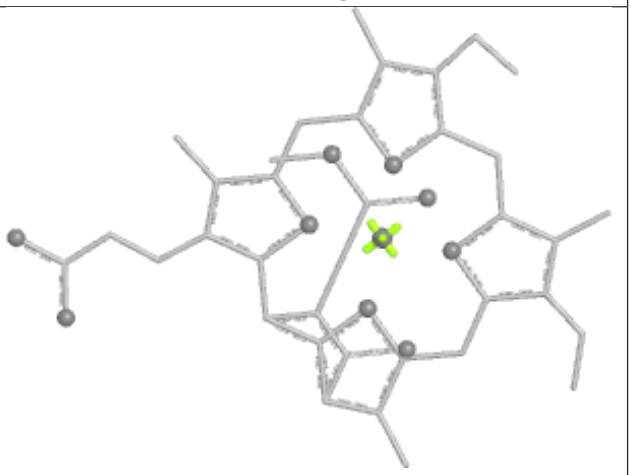
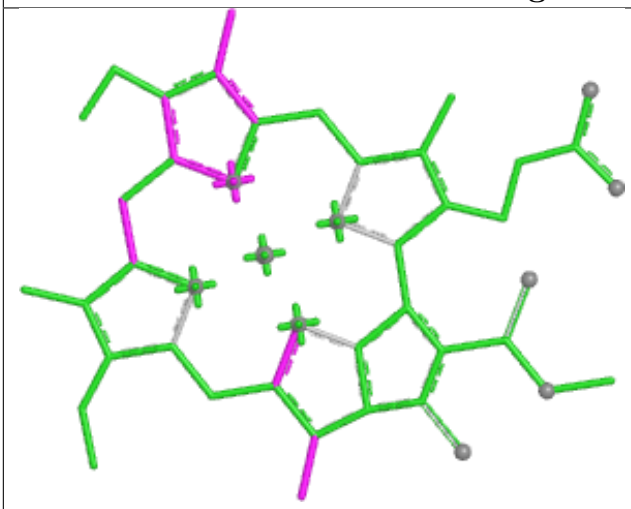


Rings

Ligand CLA 1 606



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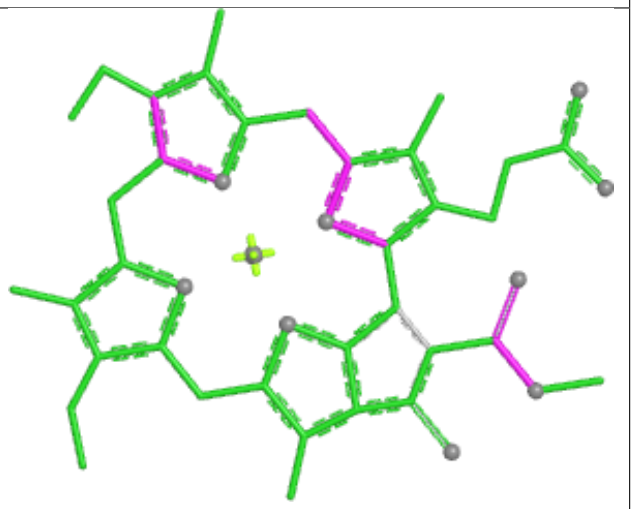

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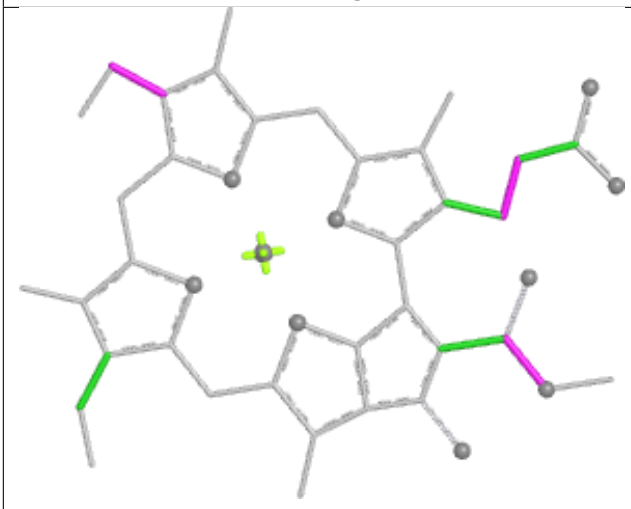
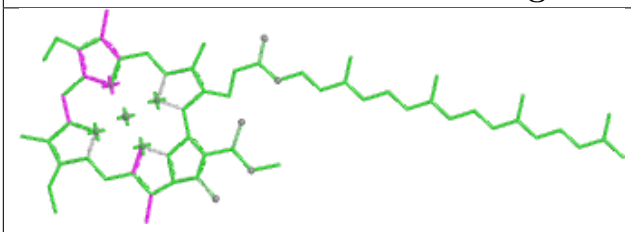


Torsions

Rings

Ligand CLA 8 308



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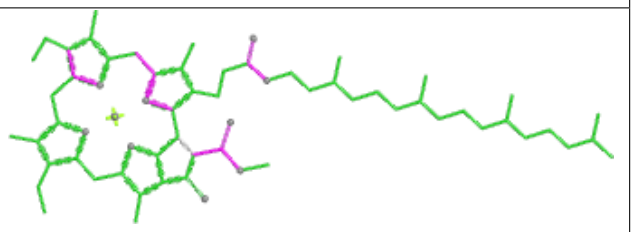

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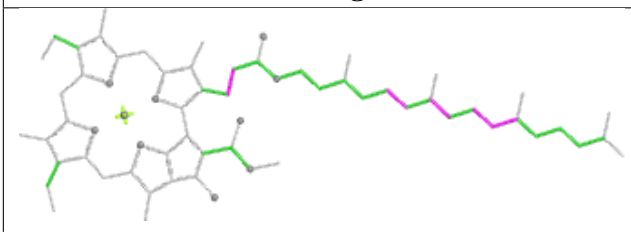

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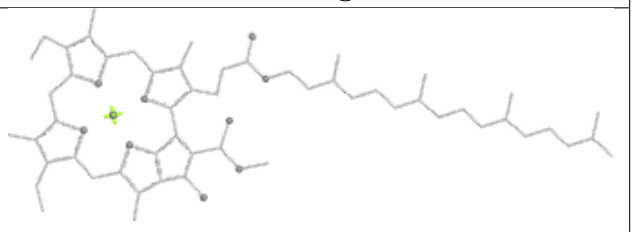
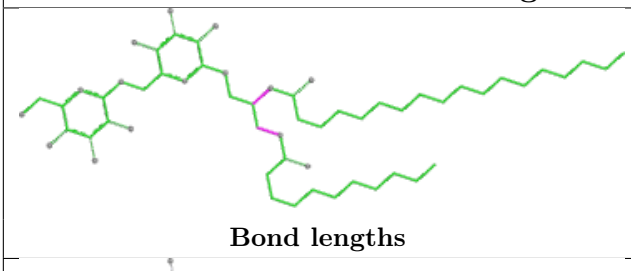


Rings

Ligand DGD B 849



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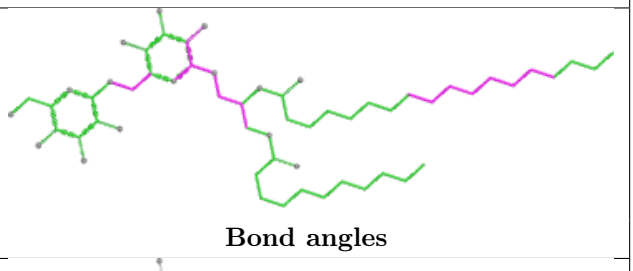
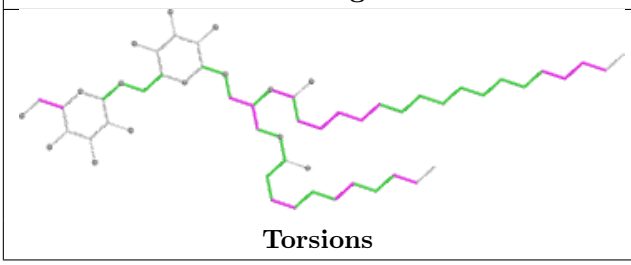


Bond angles



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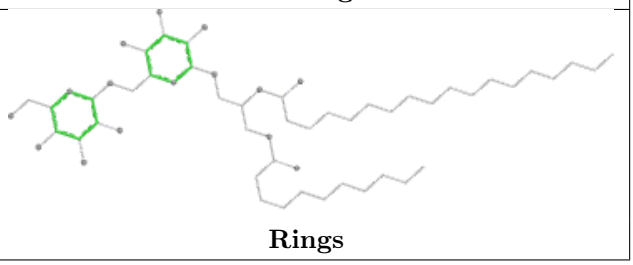
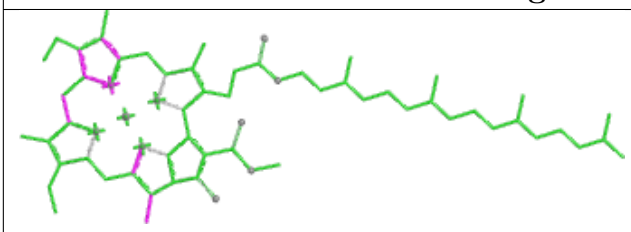


Rings

Ligand CLA 3 310



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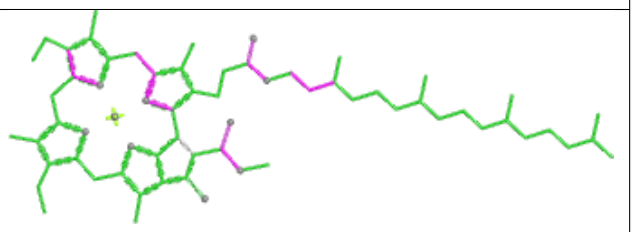

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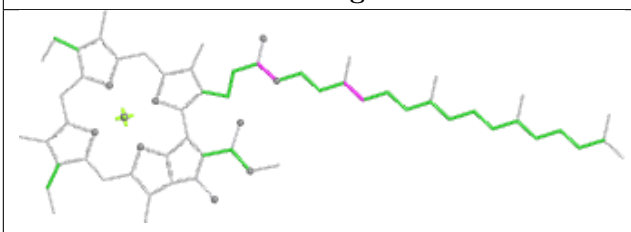

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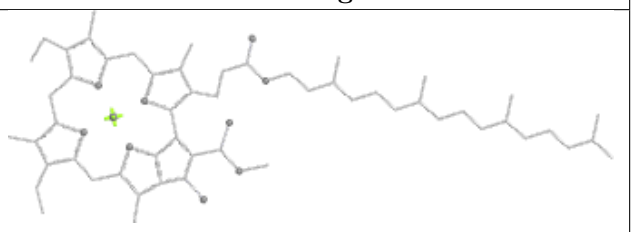
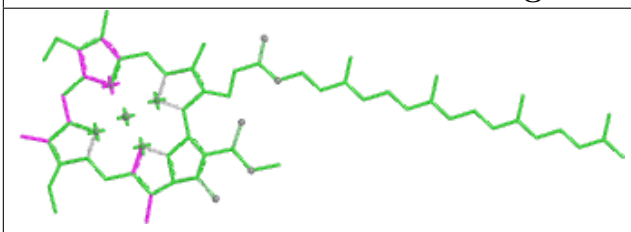


Rings

Ligand CLA B 840



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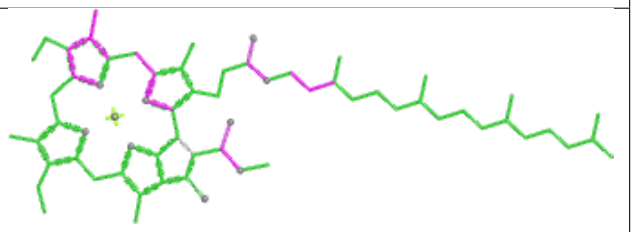
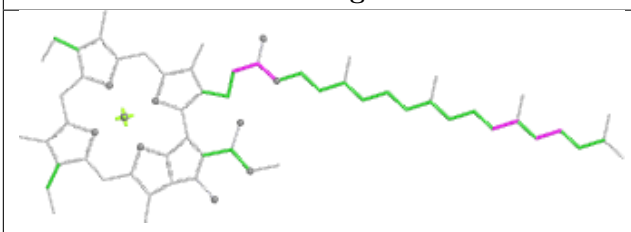


Bond angles



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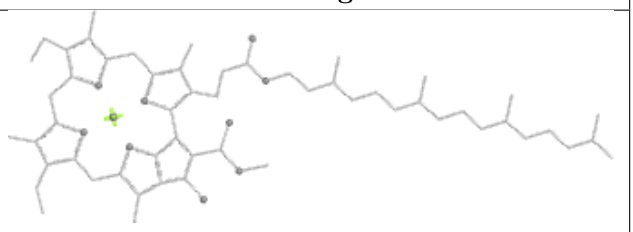
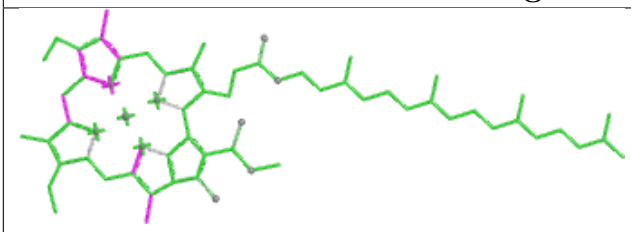


Rings

Ligand CLA B 828



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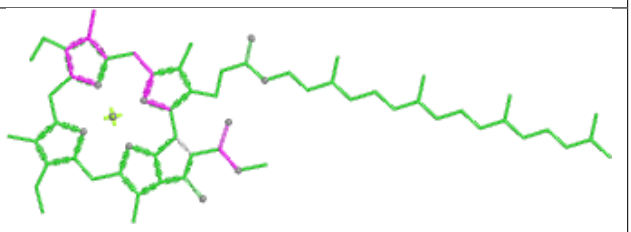
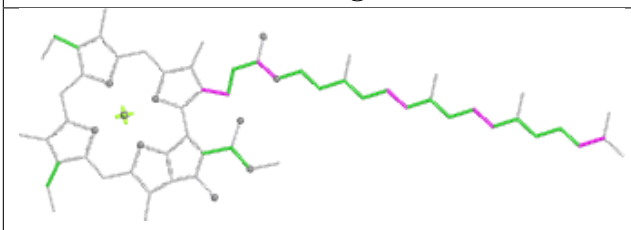


Bond angles



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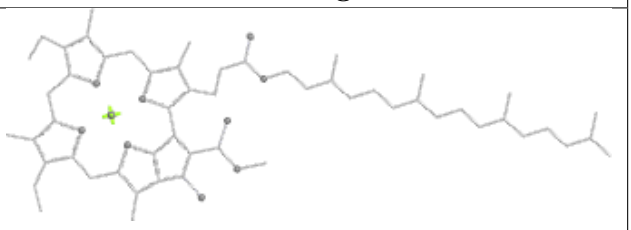
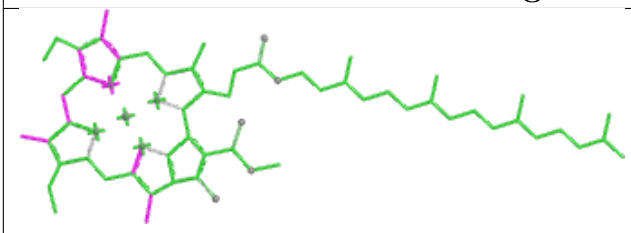


Rings

Ligand CLA A 828



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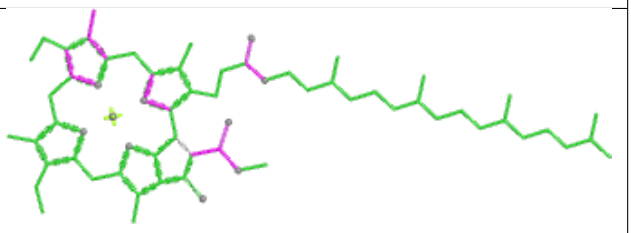
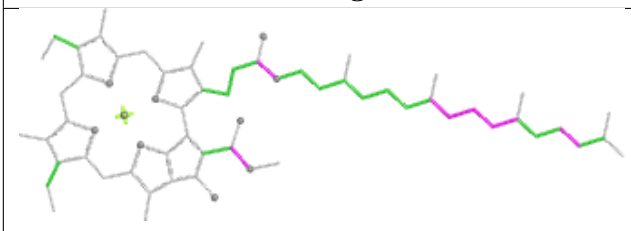


Bond angles



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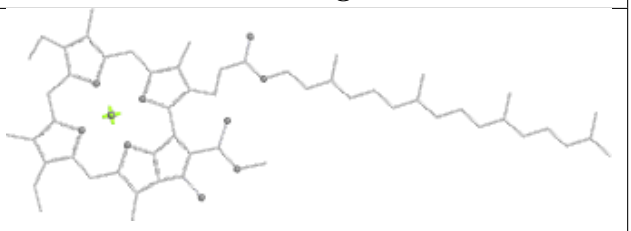
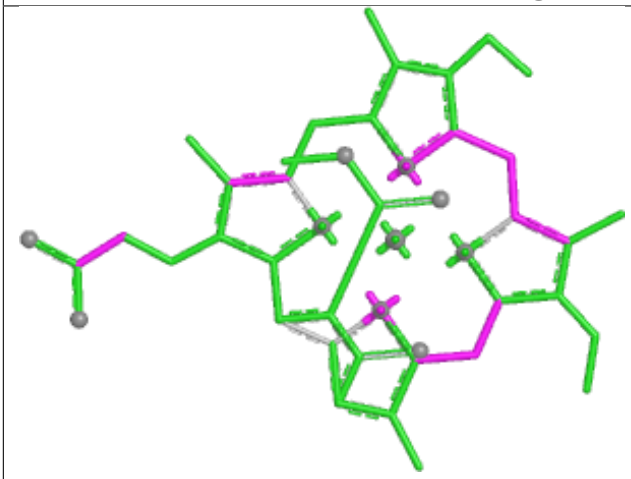


Rings

Ligand KC2 1 610



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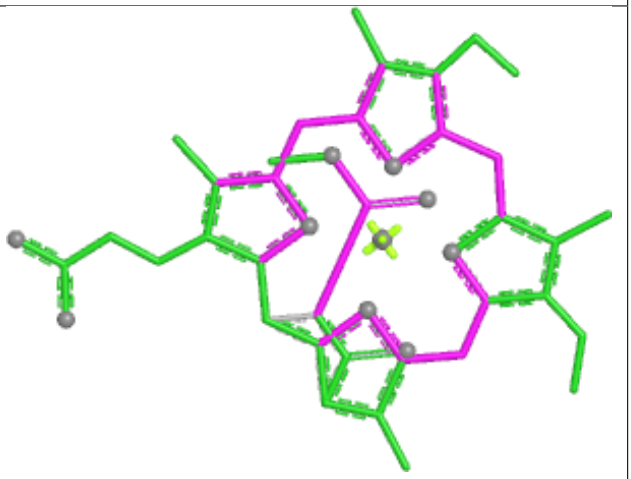
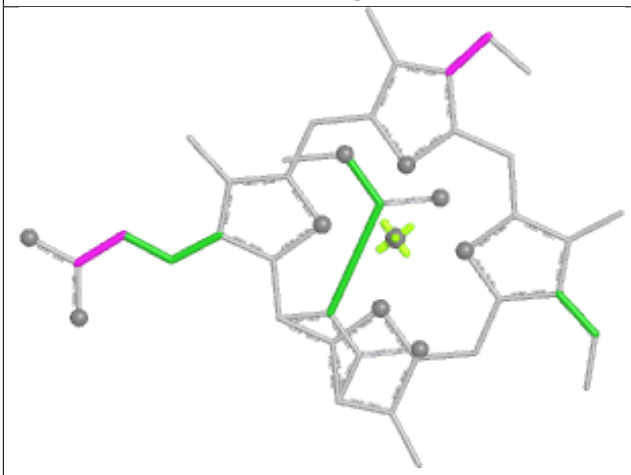


Bond angles



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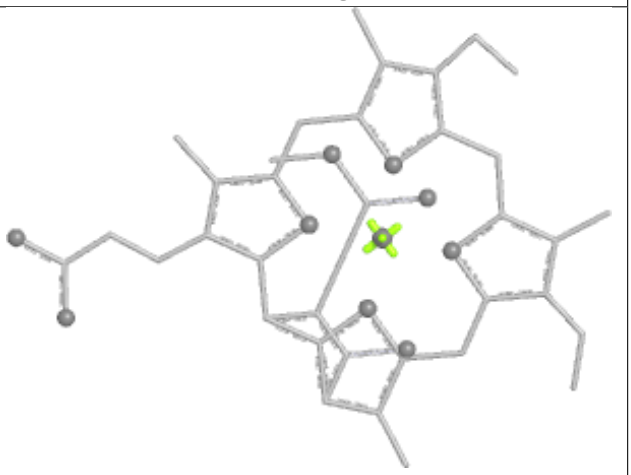
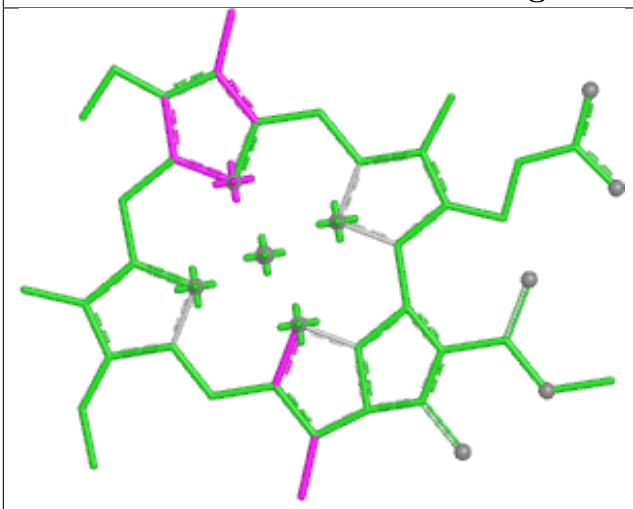


Rings

Ligand CLA 5 607



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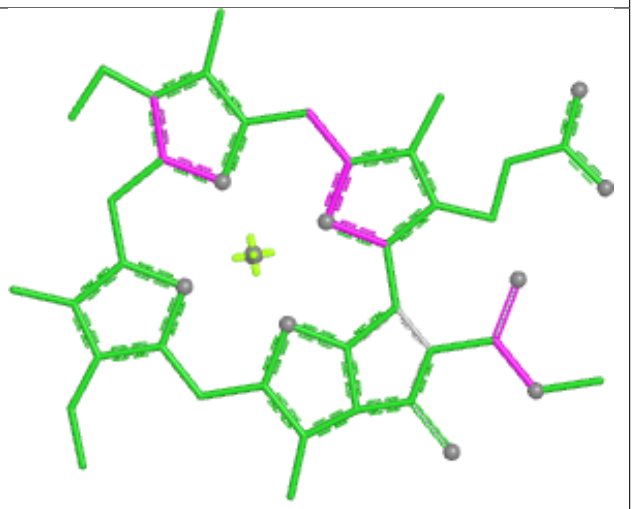
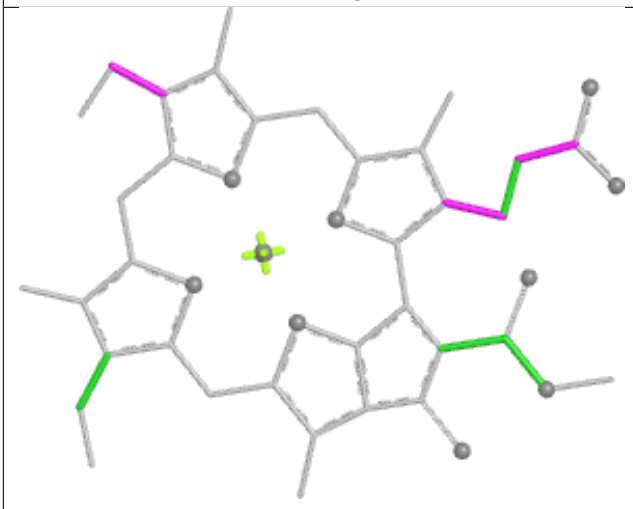


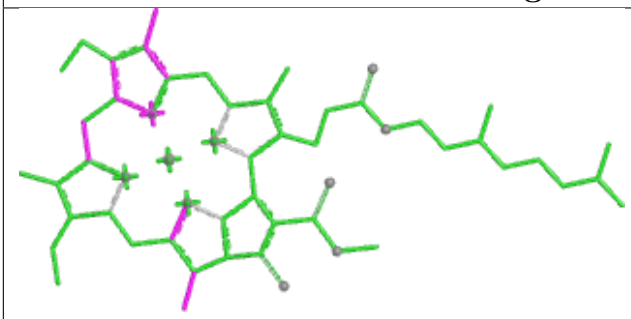
Bond angles



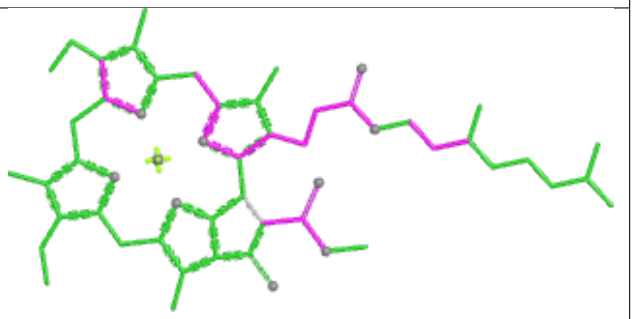
Torsions

Rings

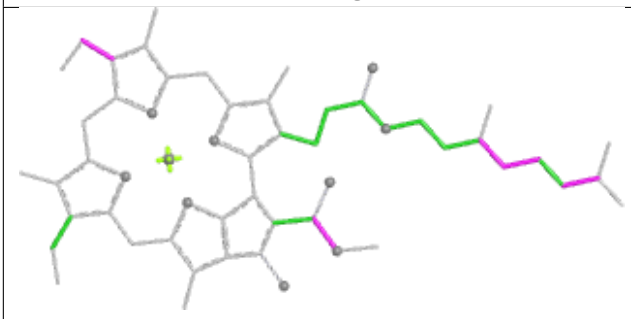
Ligand CLA B 832



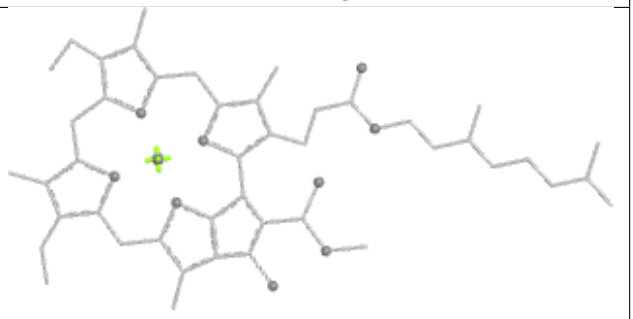
Bond lengths



Bond angles

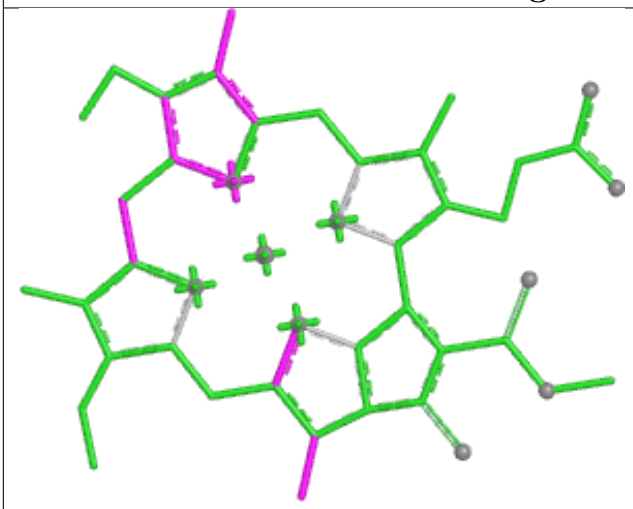


Torsions



Rings

Ligand CLA c 601



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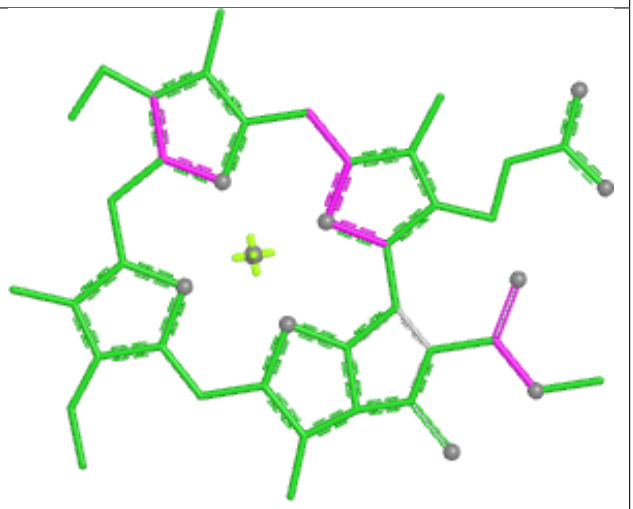
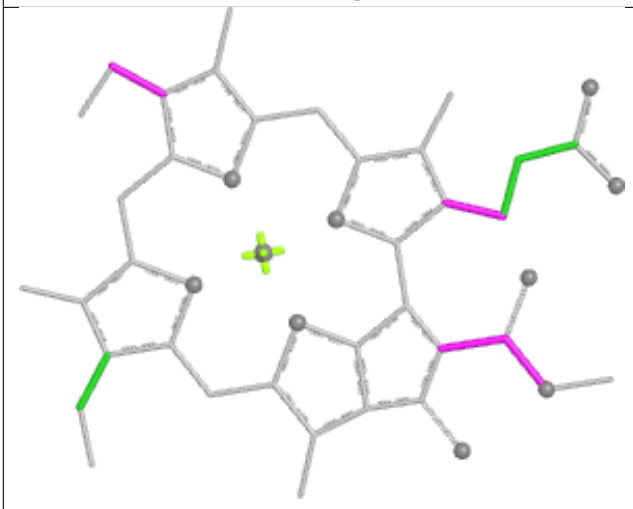


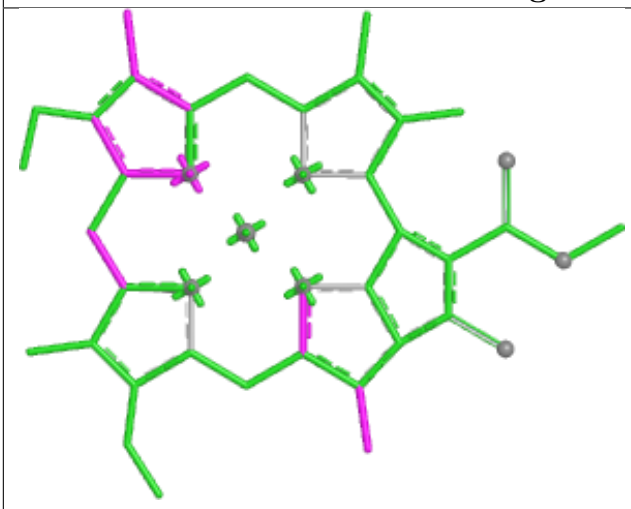
Bond angles



Torsions

Rings

Ligand CLA c 609



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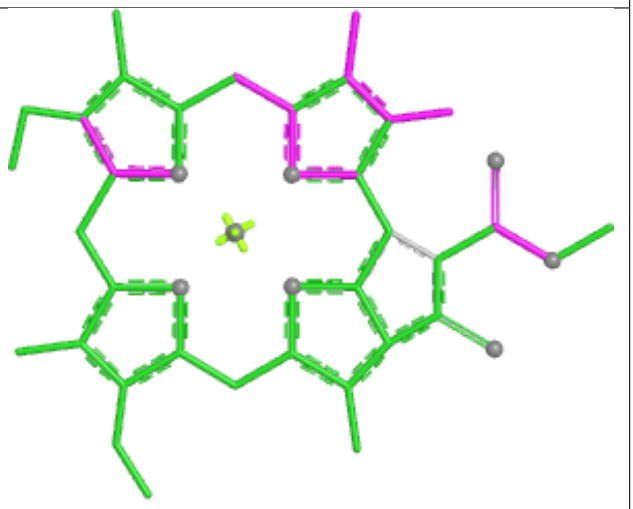
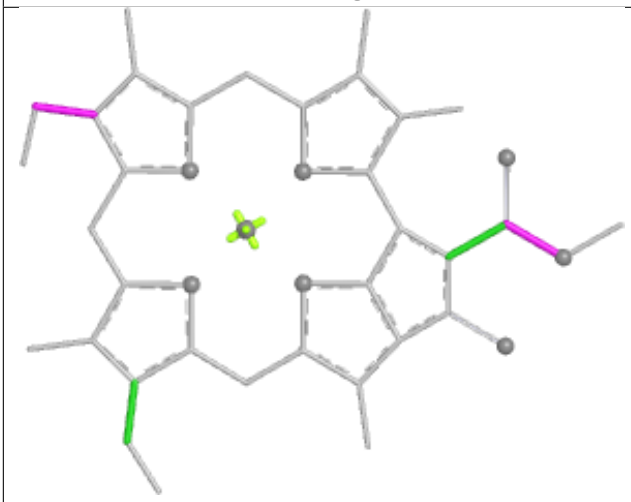
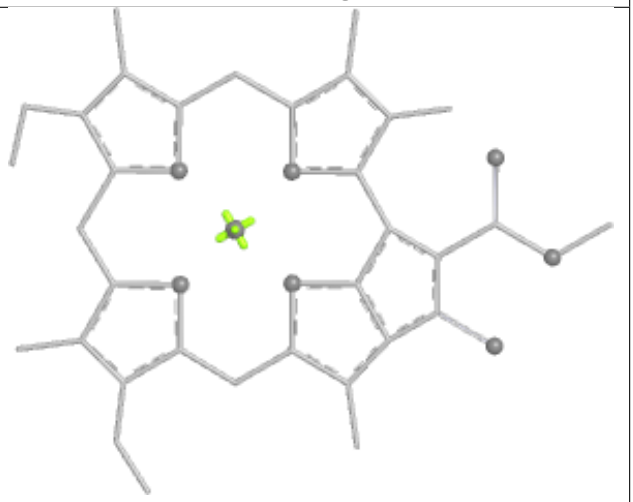


Bond angles

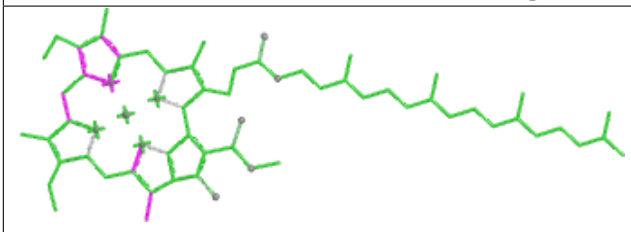


Torsions



Rings

Ligand CLA A 827



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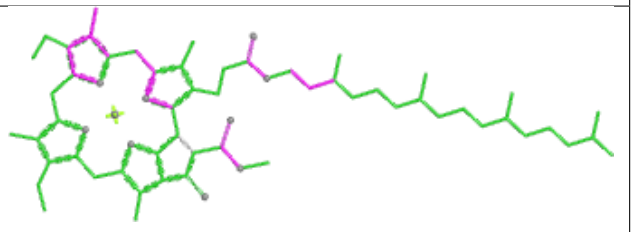
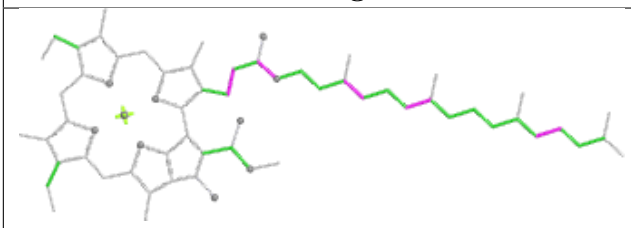
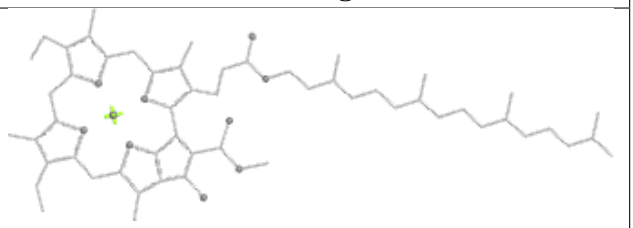


Bond angles

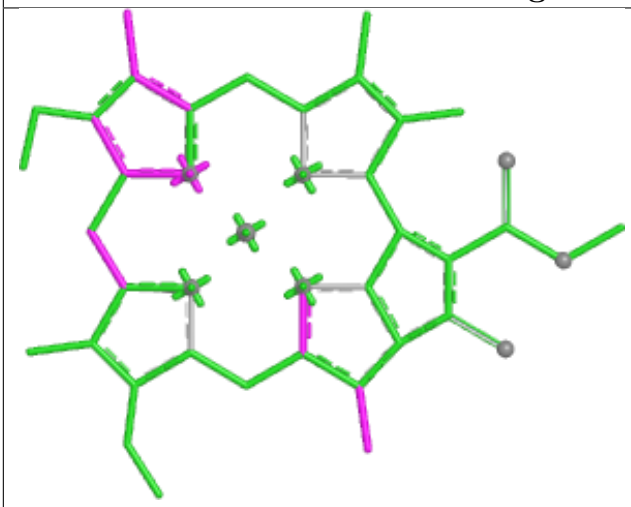


Torsions



Rings

Ligand CLA 5 609



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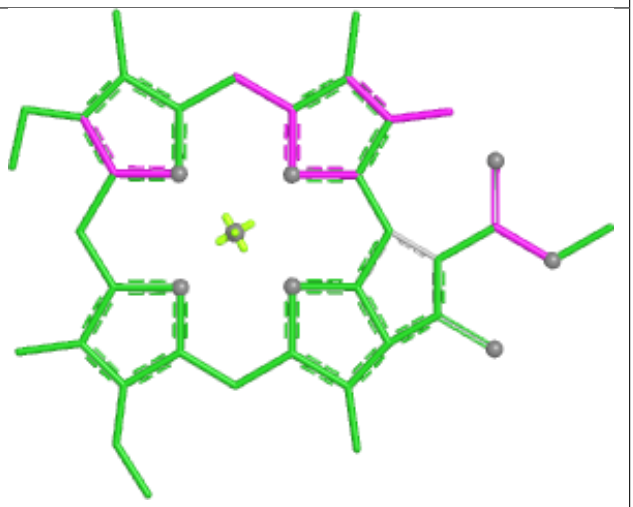
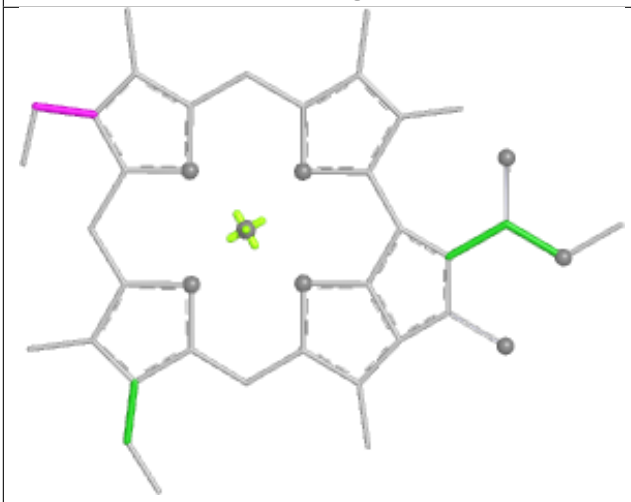


Bond angles



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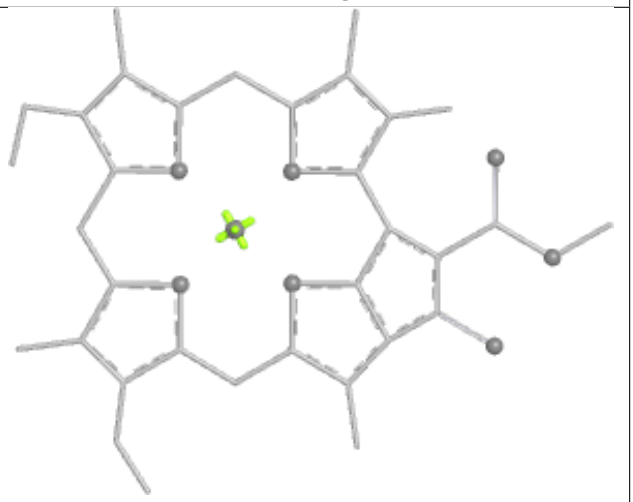
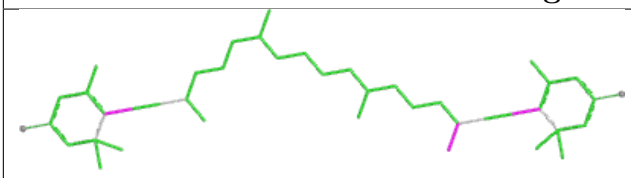


Rings

Ligand II0 e 614



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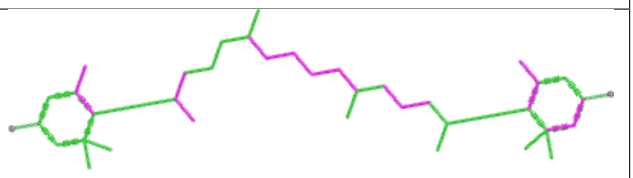
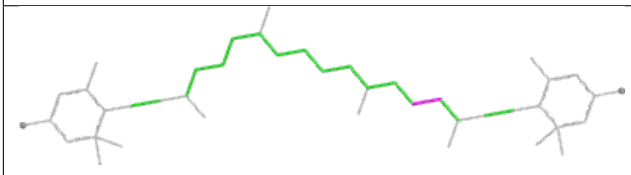


Bond angles



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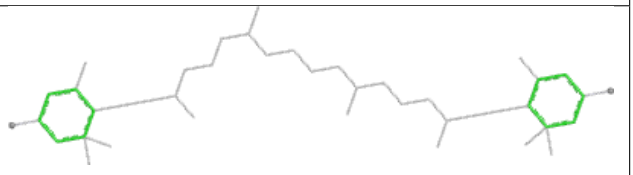
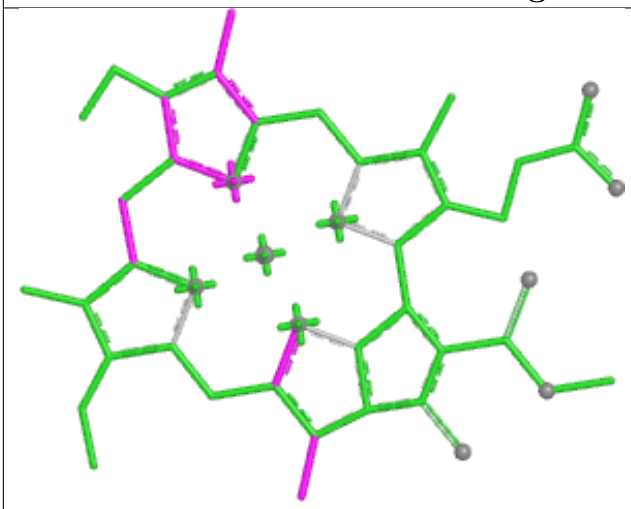


Rings

Ligand CLA 3 302



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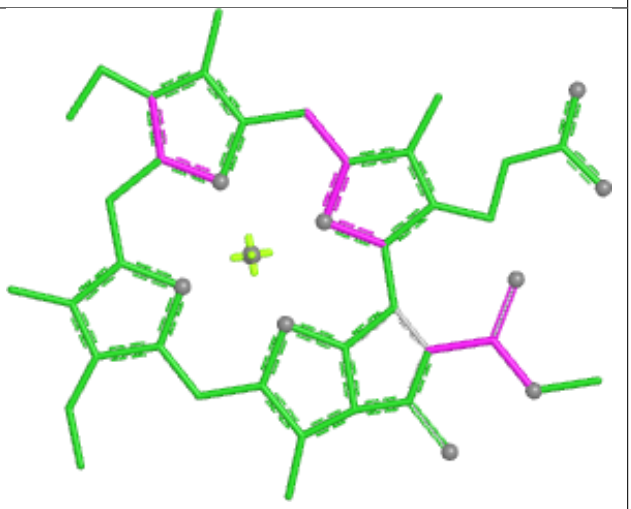

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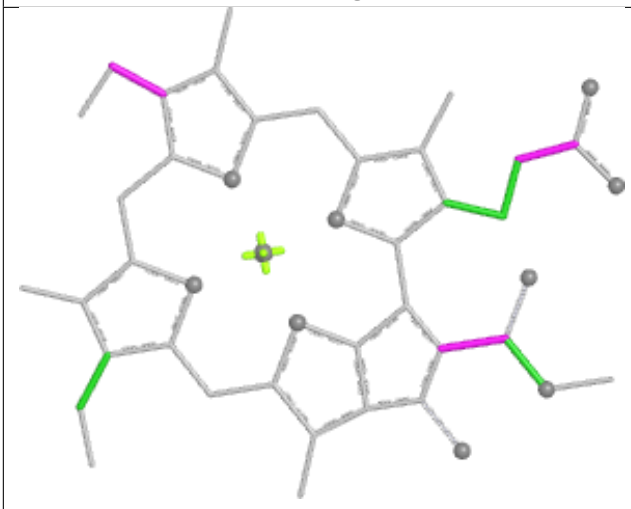
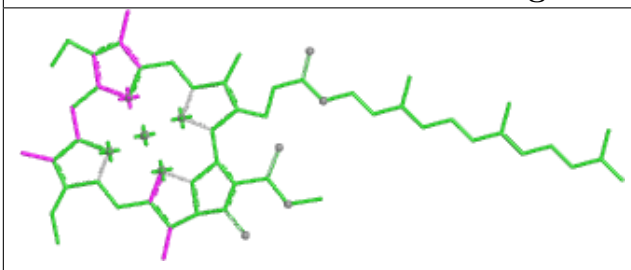


Torsions

Rings

Ligand CLA 2 605



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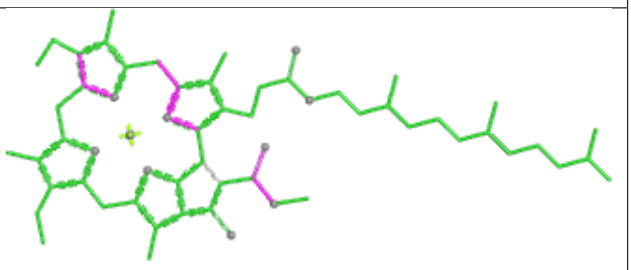

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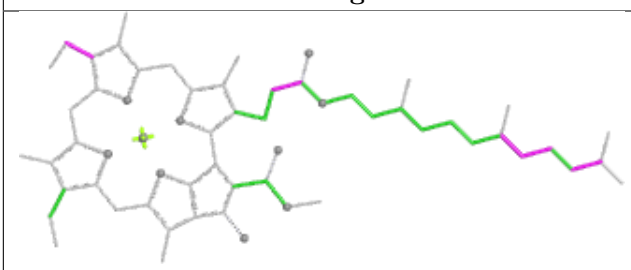

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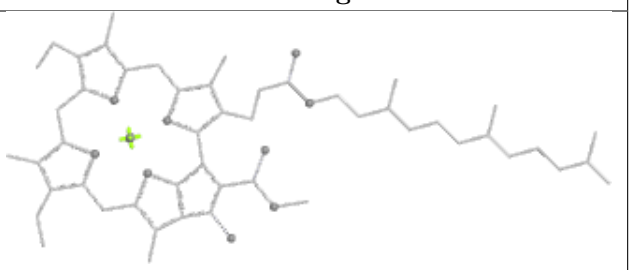
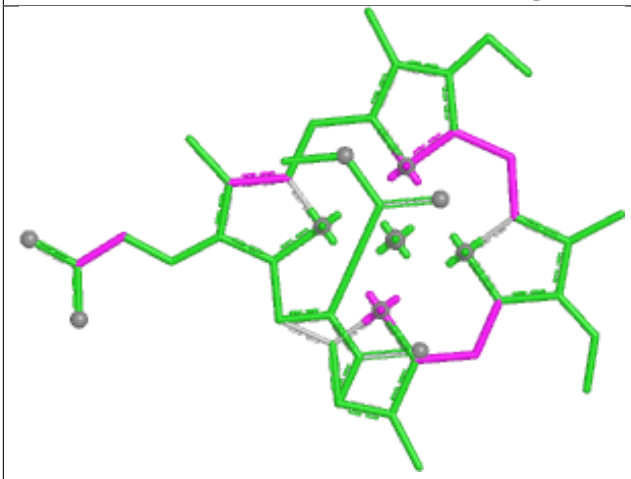


Rings

Ligand KC2 Z 306



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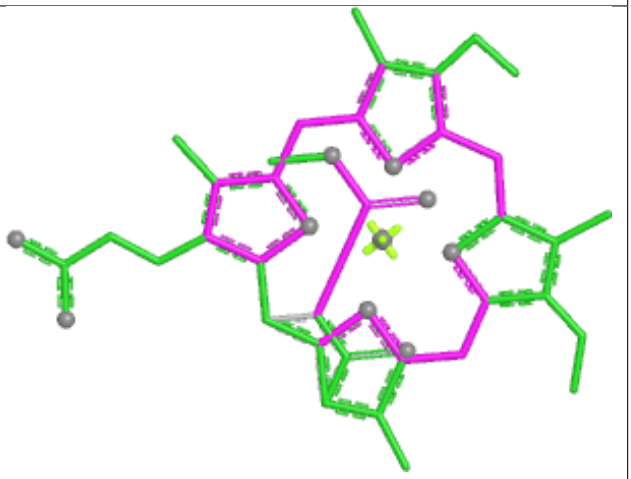
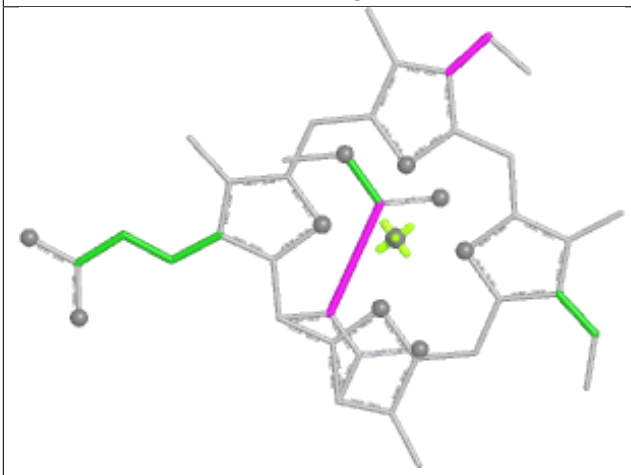


Bond angles



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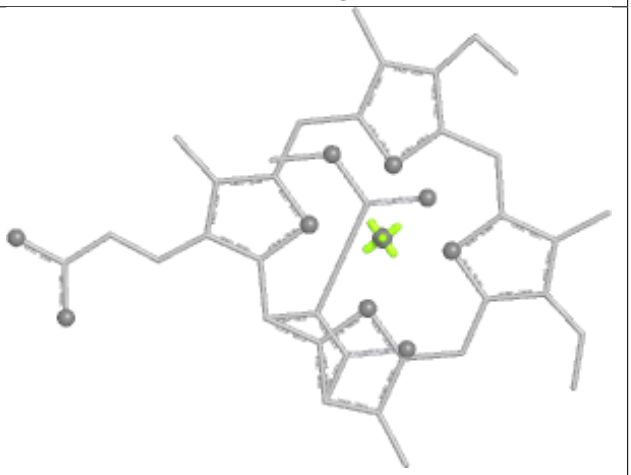
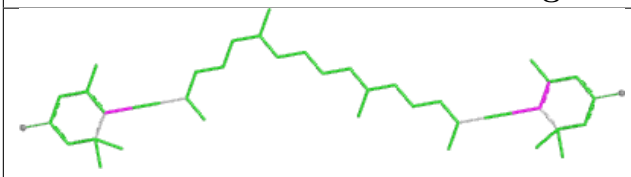


Rings

Ligand II0 5 615



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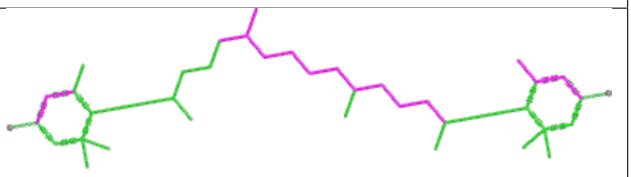

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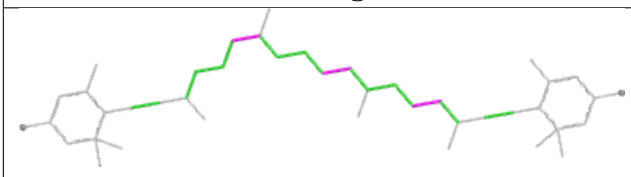

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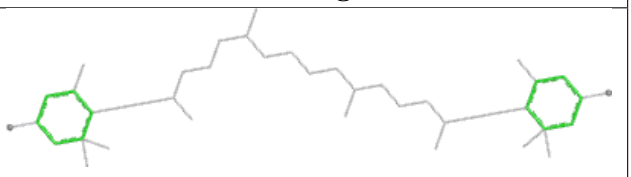
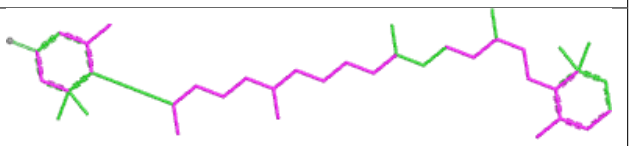
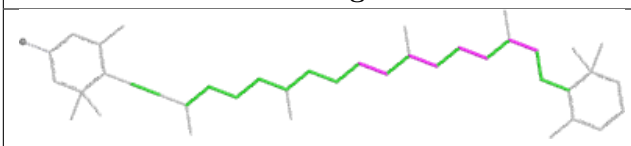
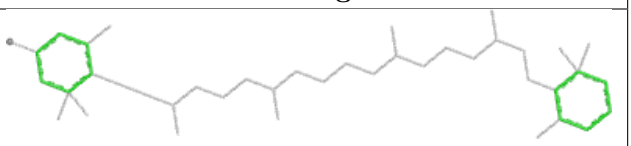
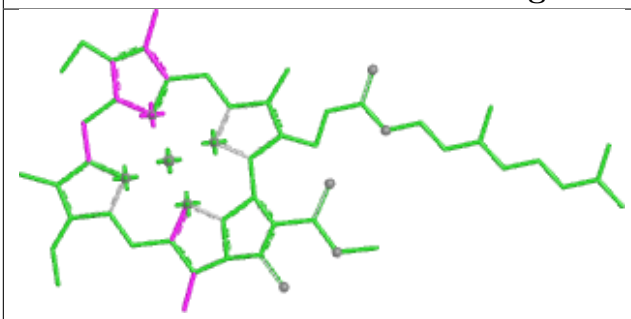
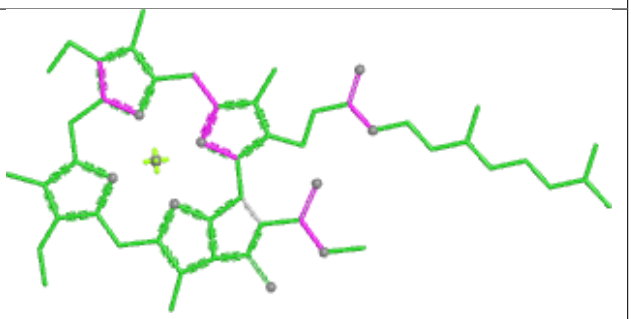
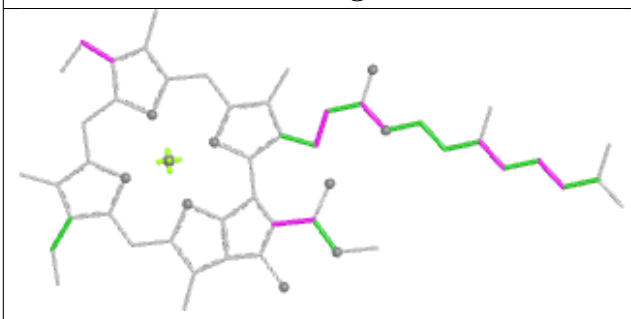
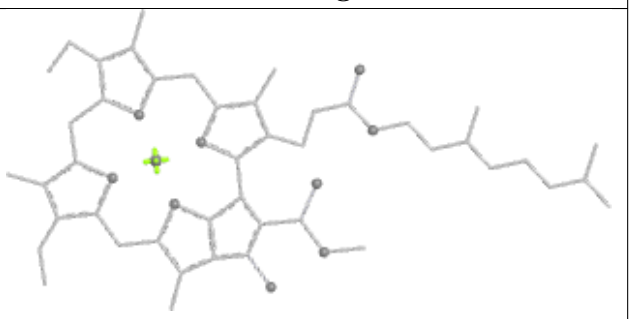
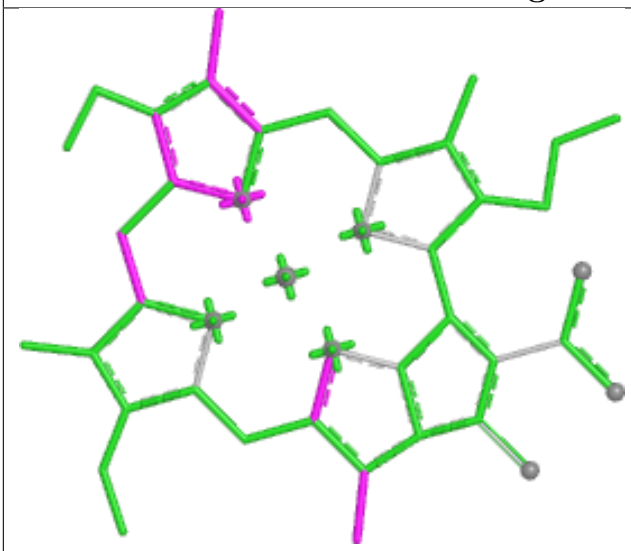


Rings

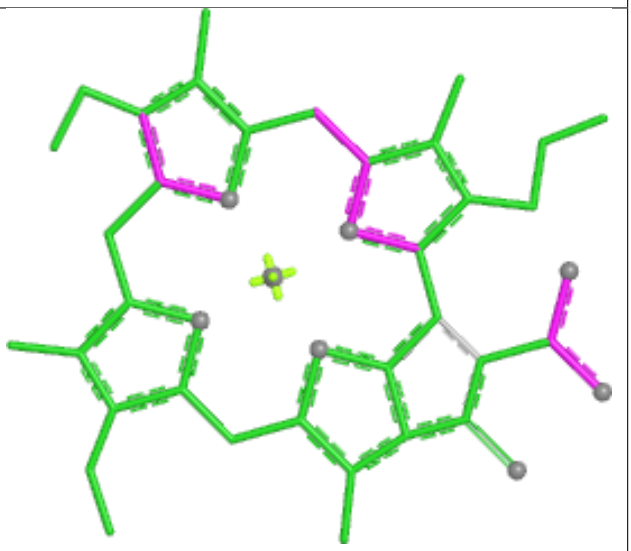
Ligand IHT 8 309	
Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA 6 606	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA 1 605



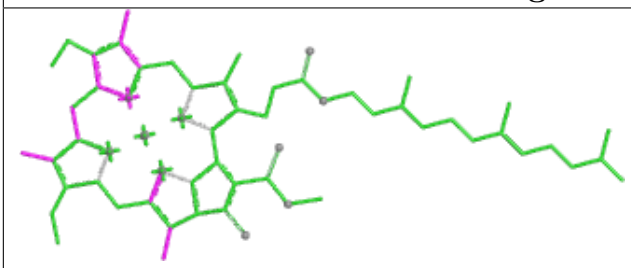
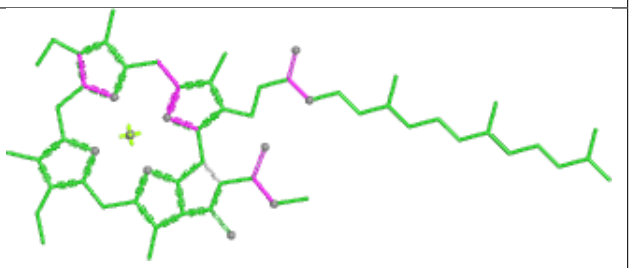
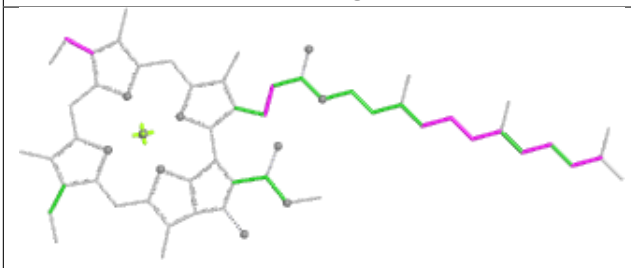
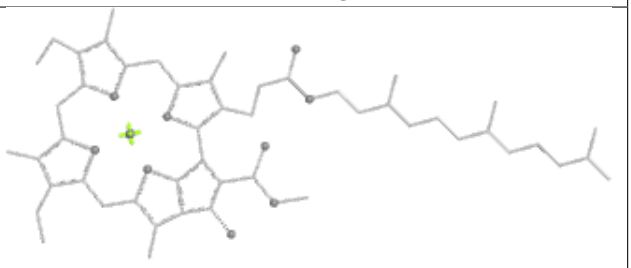
Bond lengths

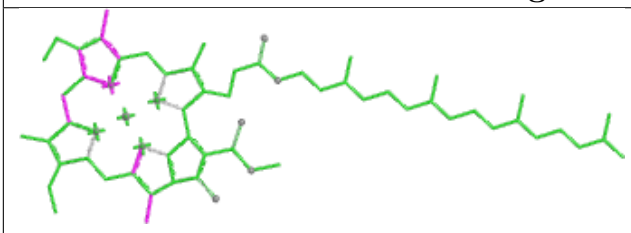
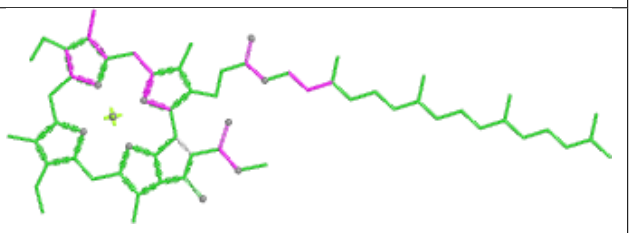
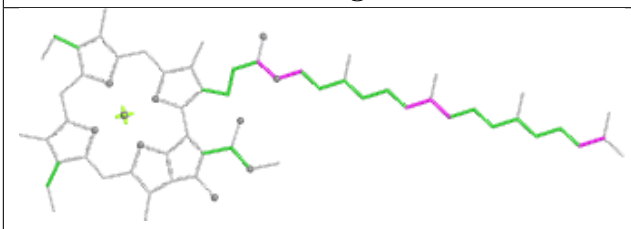
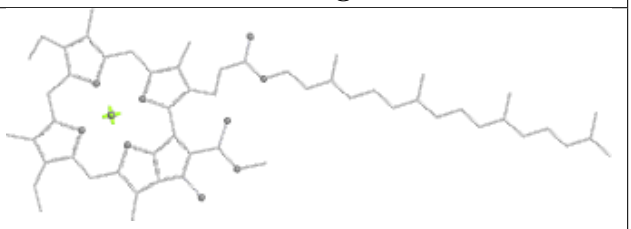


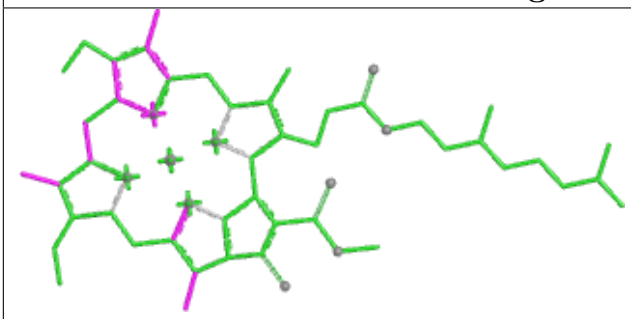
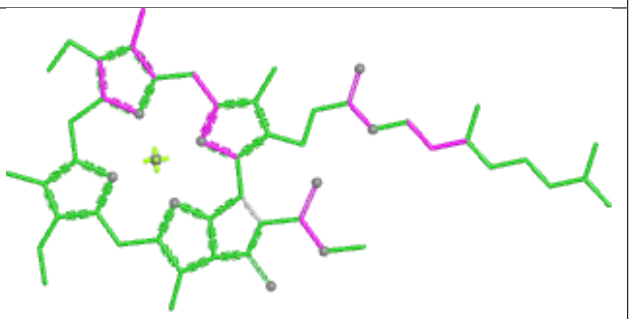
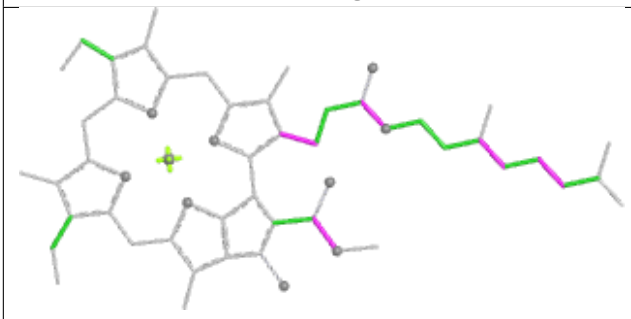
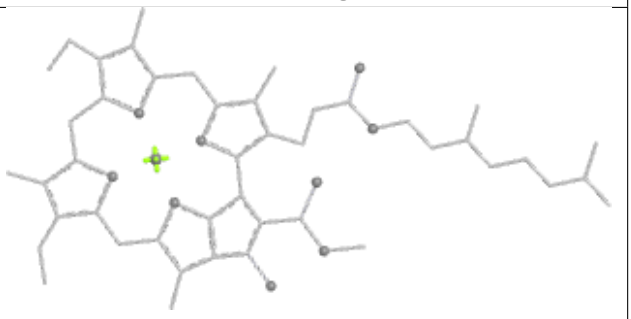
Bond angles

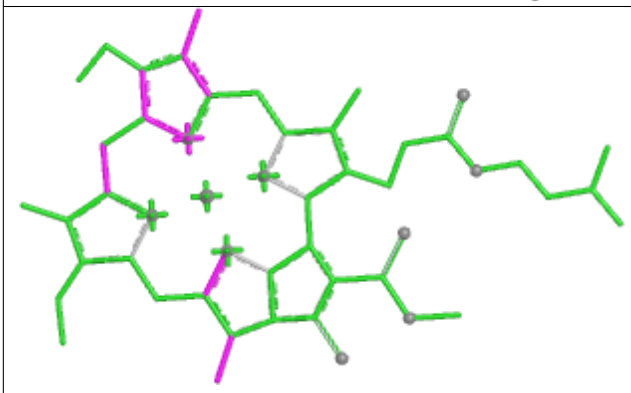
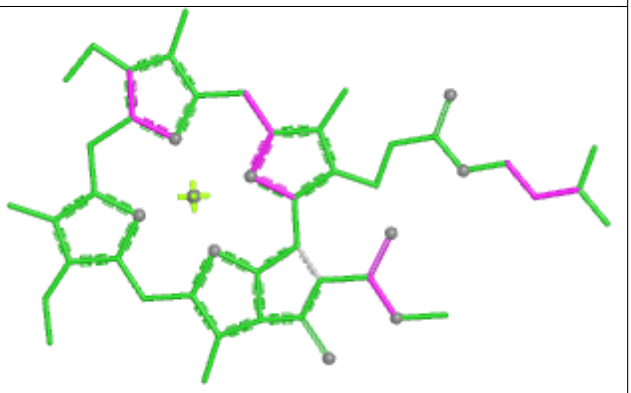
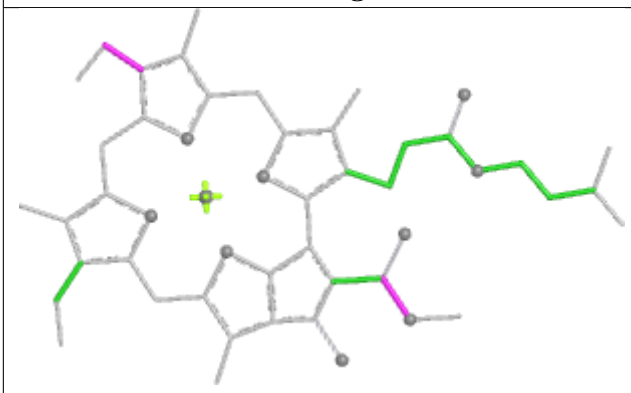
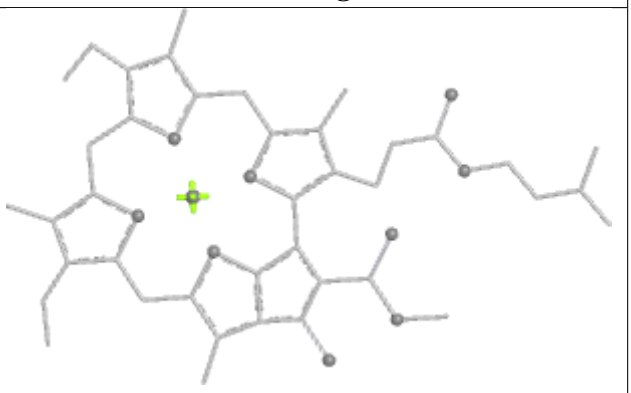
Torsions

Rings

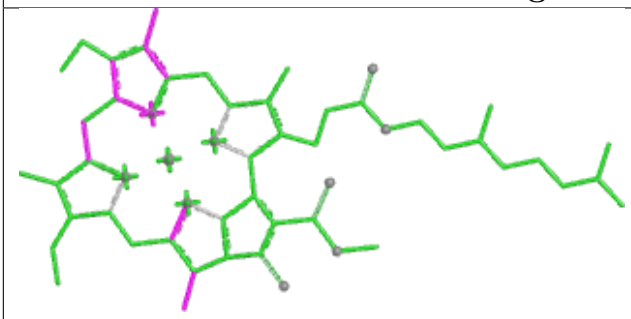
Ligand CLA a 604	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA a 607	
	
Bond lengths	Bond angles
	
Torsions	Rings

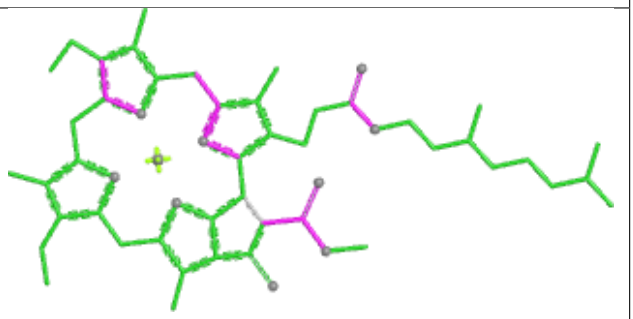
Ligand CLA 7 308	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA Z 304	
	
Bond lengths	Bond angles
	
Torsions	Rings

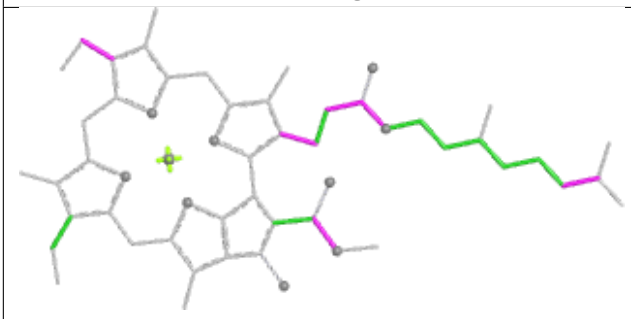
Ligand CLA a 605



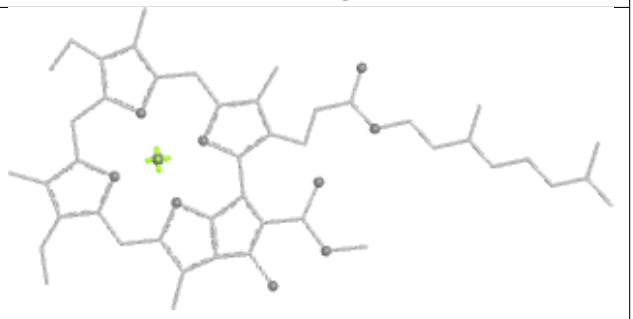
Bond lengths



Bond angles

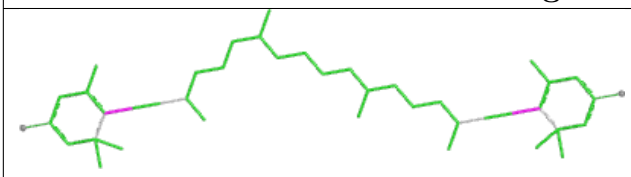


Torsions



Rings

Ligand II0 5 616



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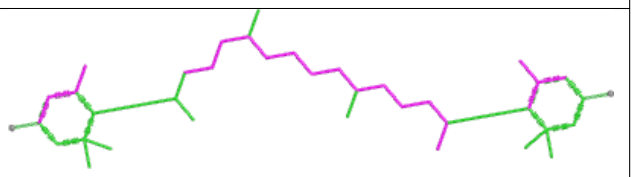
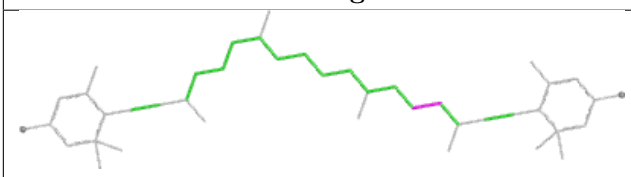


Bond angles



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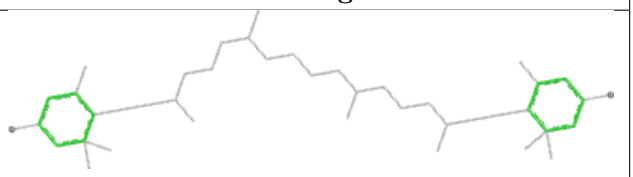
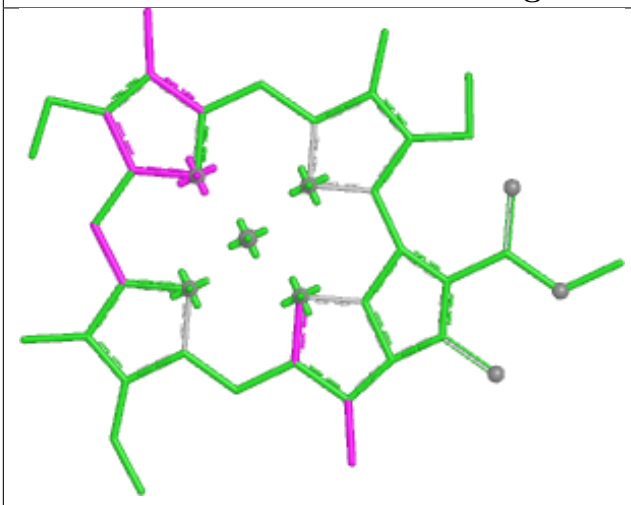


Rings

Ligand CLA A 813



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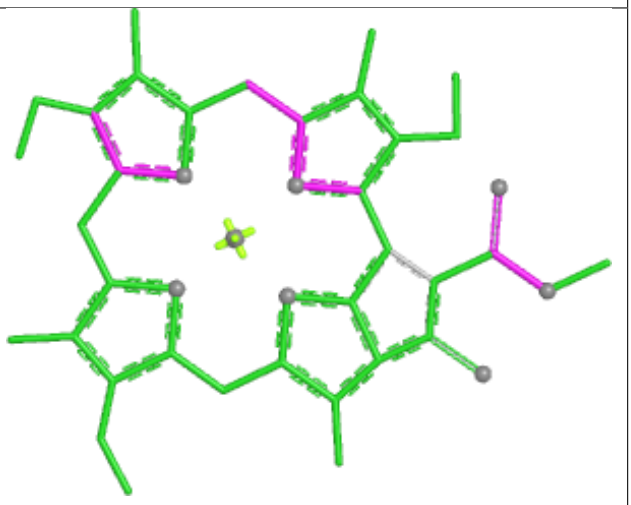
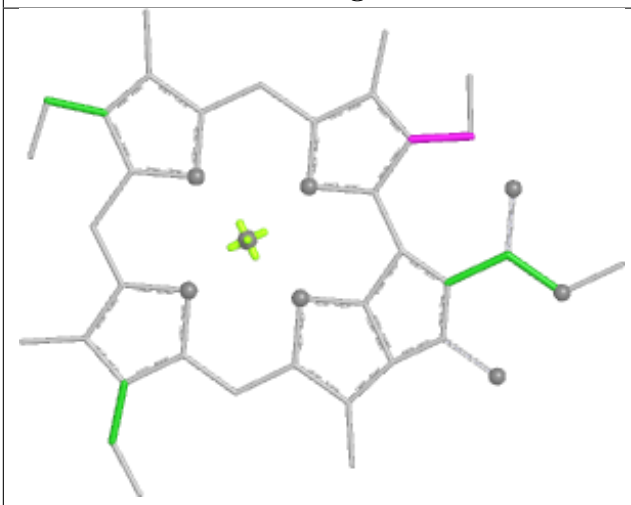


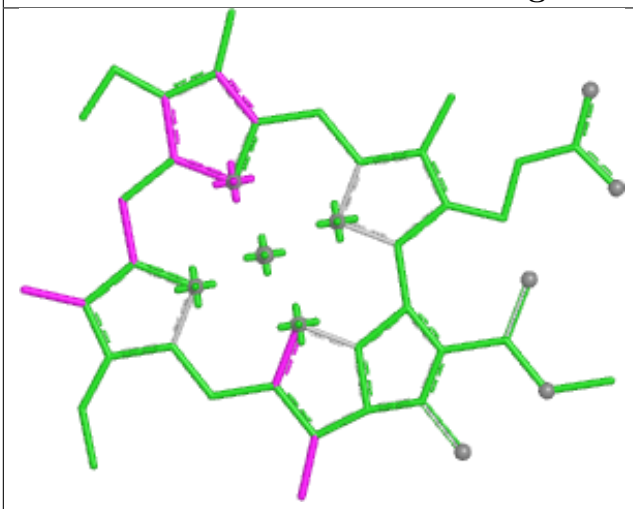
Bond angles



Torsions

Rings

Ligand CLA 8 301



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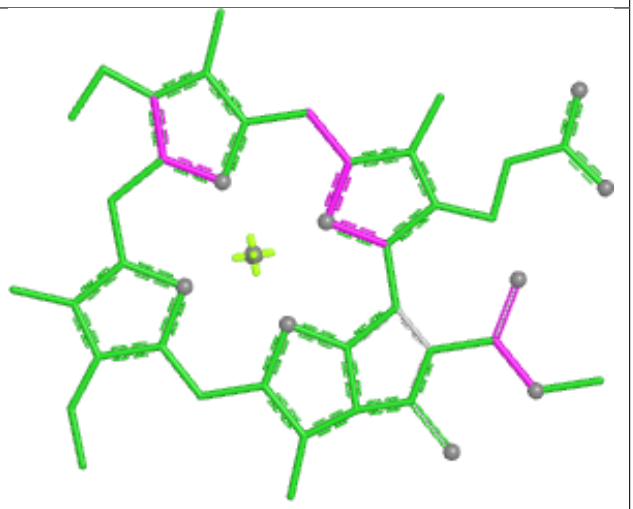

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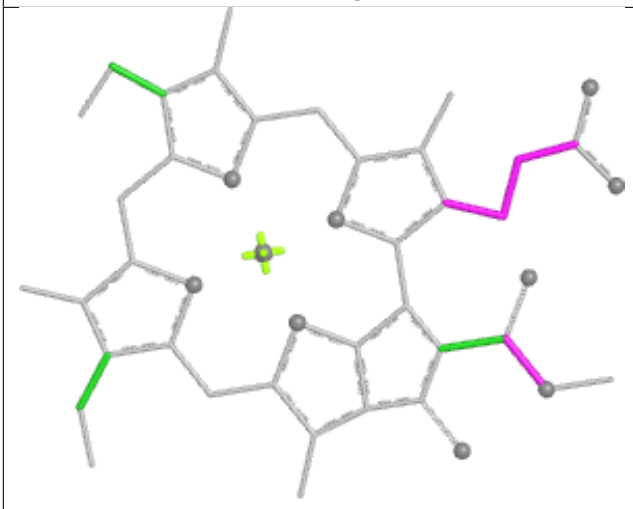
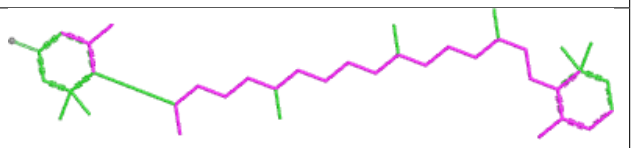


Torsions

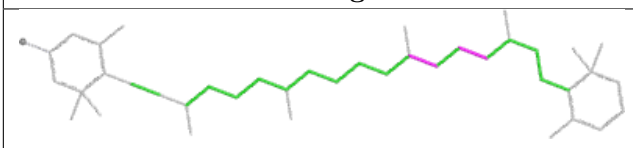
Rings

Ligand IHT 1 618

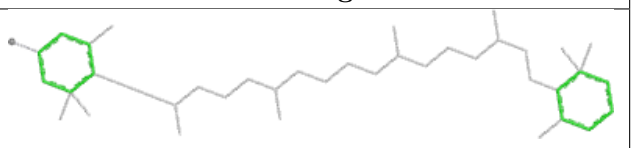
Bond lengths



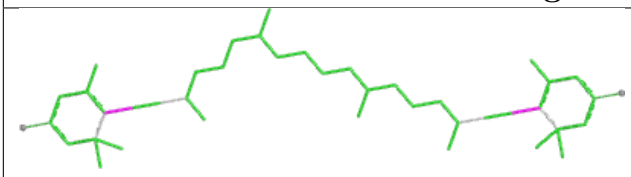
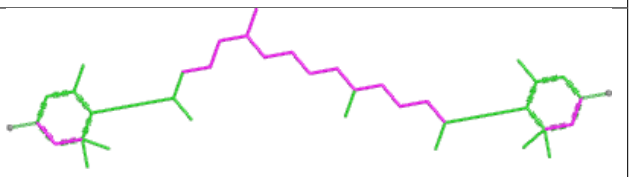
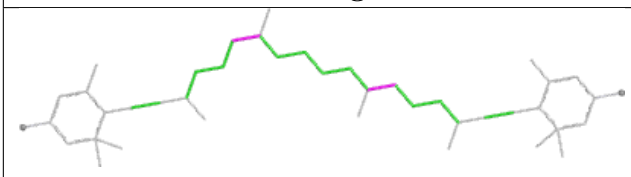
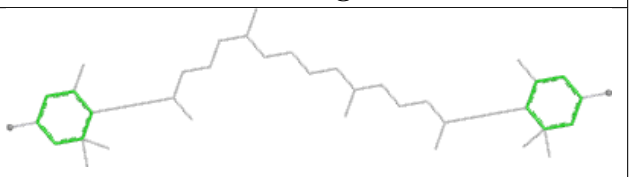
Bond angles

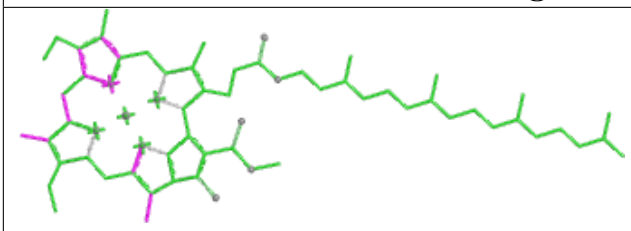
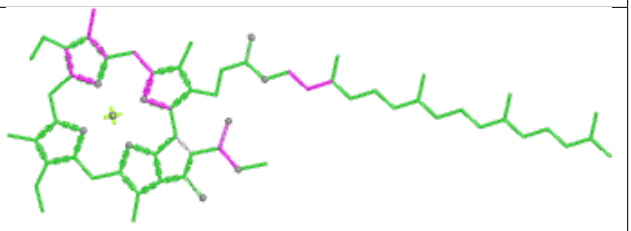
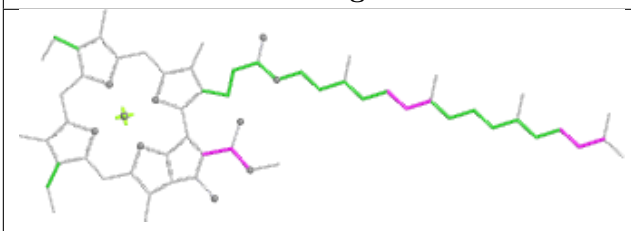
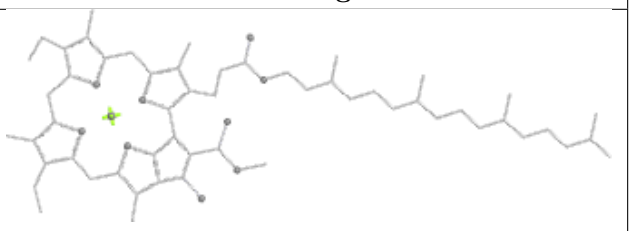


Torsions

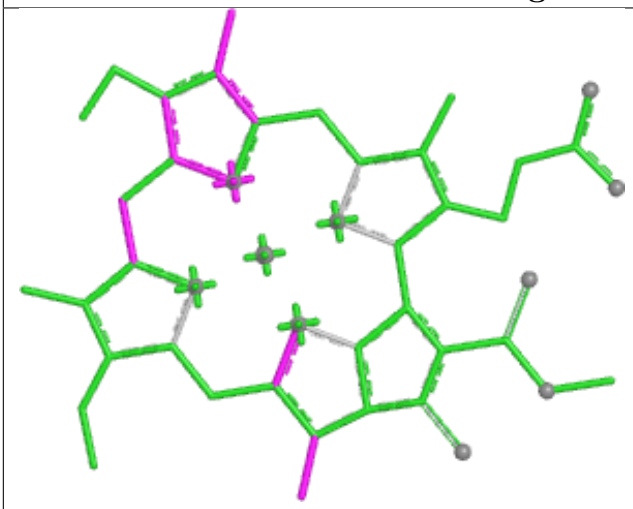


Rings

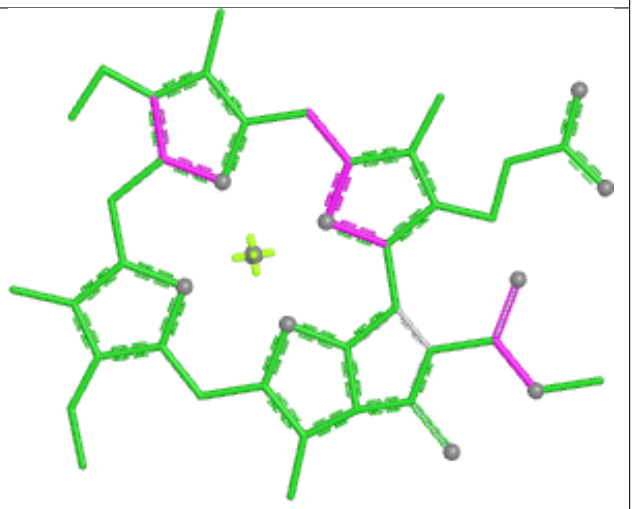
Ligand II0 c 619	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA 3 311	
 Bond lengths	 Bond angles
 Torsions	 Rings

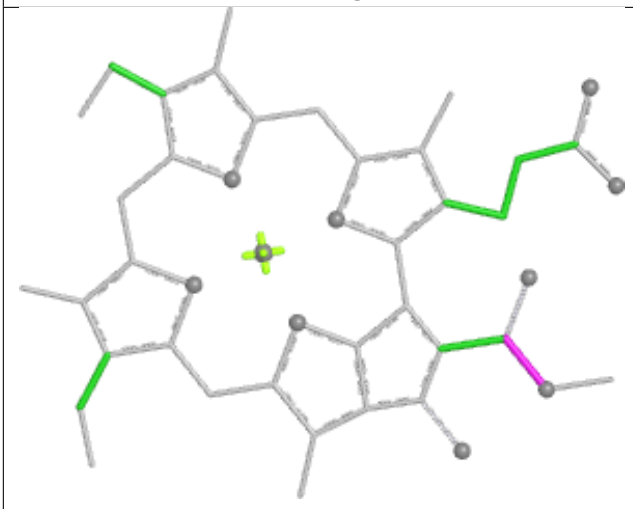
Ligand CLA 7 302



Bond lengths



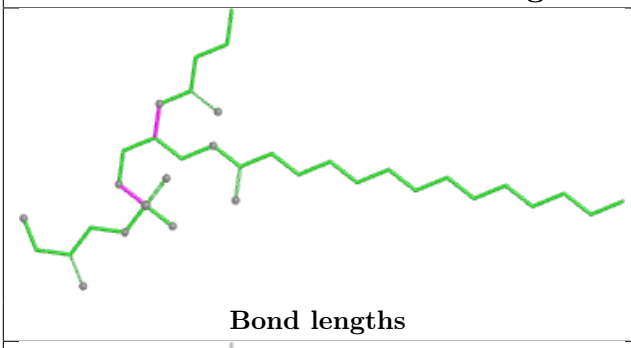
Bond angles



Torsions

Rings

Ligand LHG 5 621



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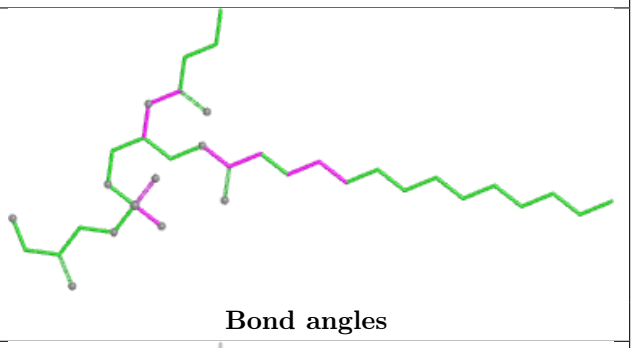
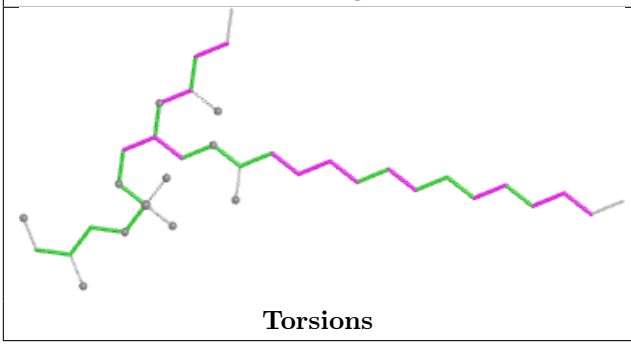
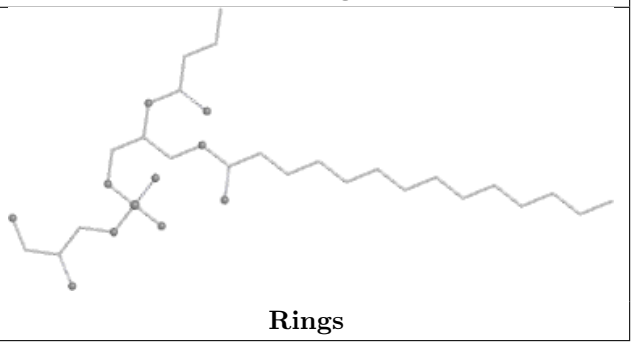


Bond angles

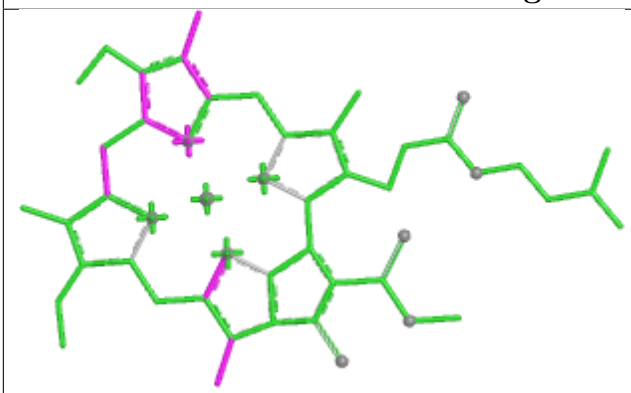


Torsions

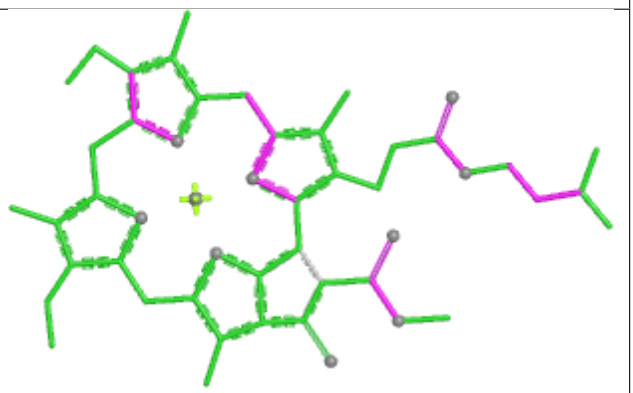


Rings

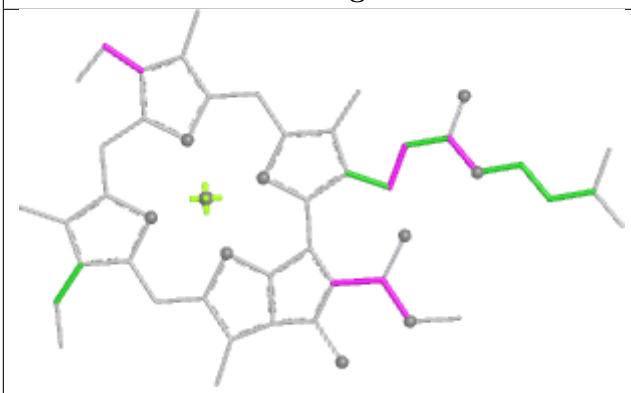
Ligand CLA A 829



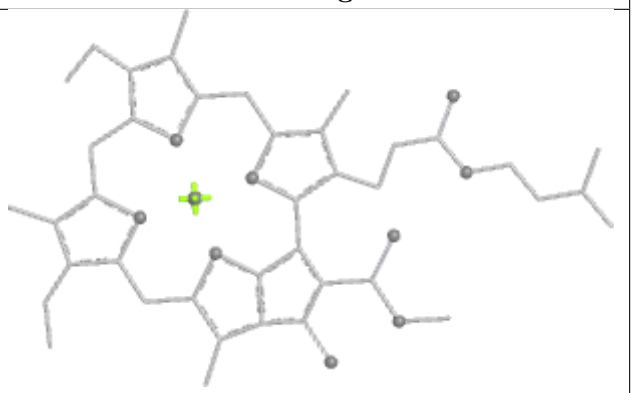
Bond lengths



Bond angles

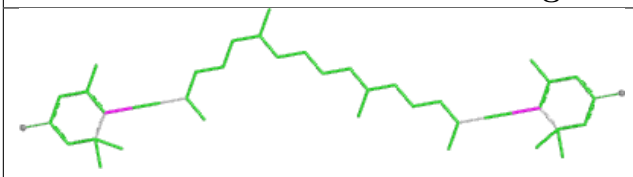


Torsions

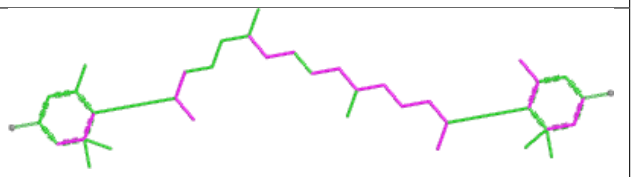


Rings

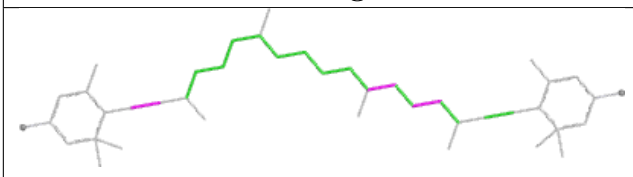
Ligand II0 7 301



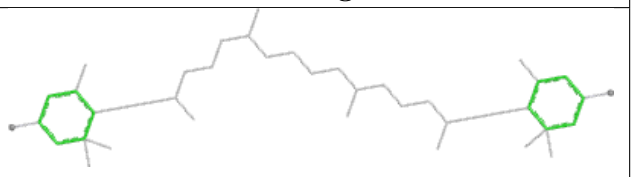
Bond lengths



Bond angles

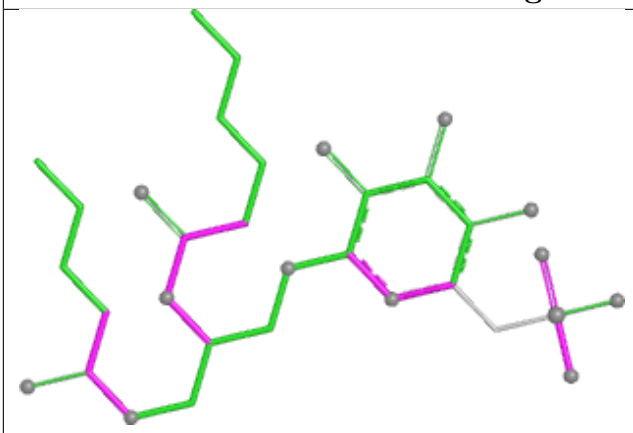


Torsions

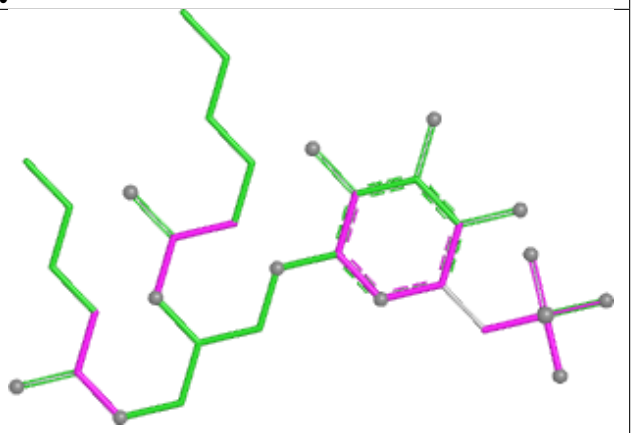


Rings

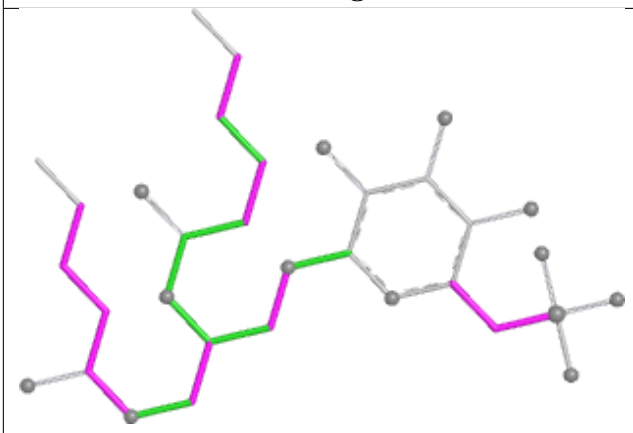
Ligand SQD B 850



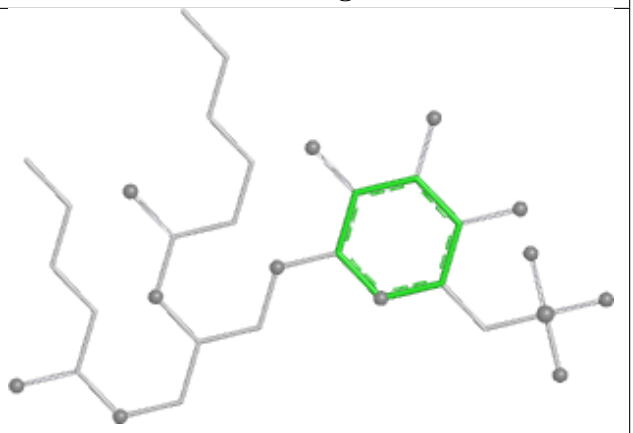
Bond lengths



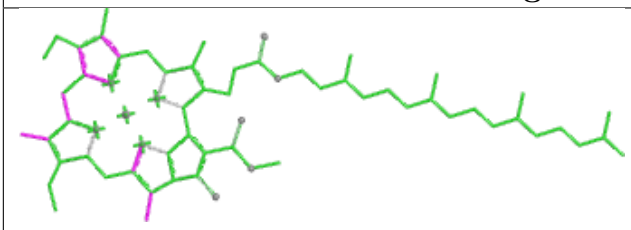
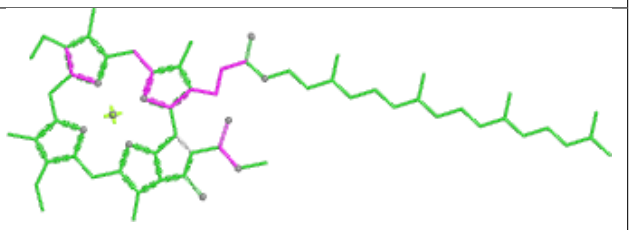
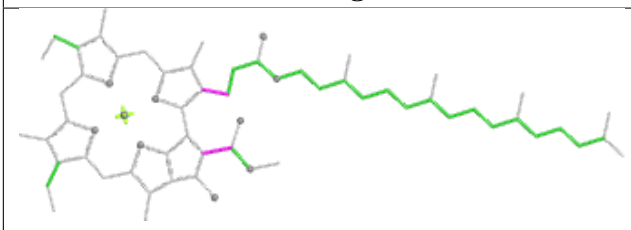
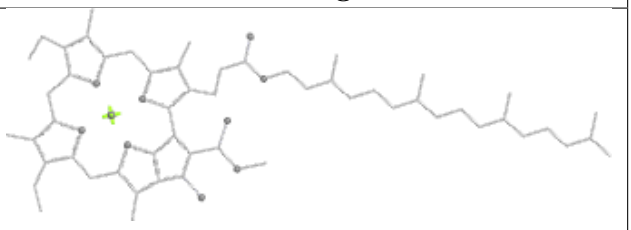
Bond angles



Torsions



Rings

Ligand CLA A 803	
	
Bond lengths	Bond angles
	
Torsions	Rings

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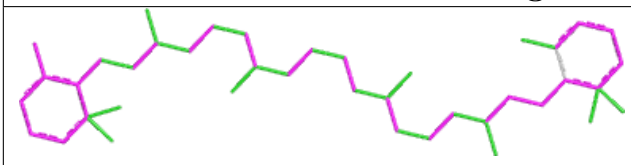
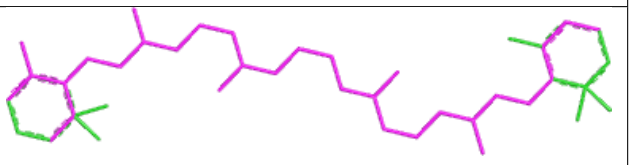
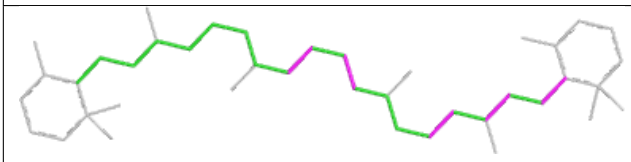
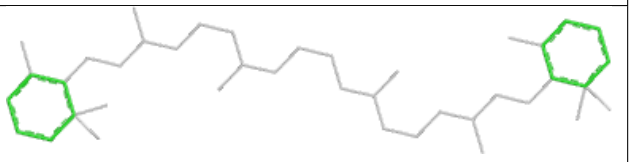
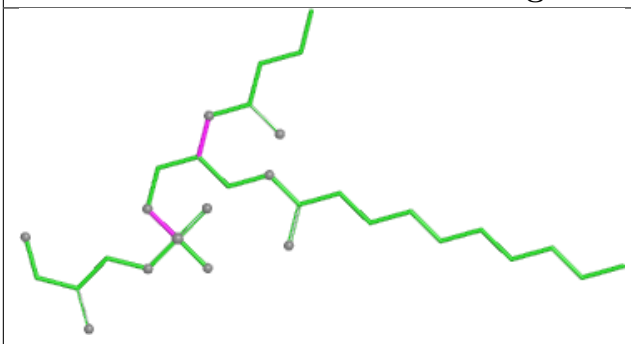
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand LHG 7 320



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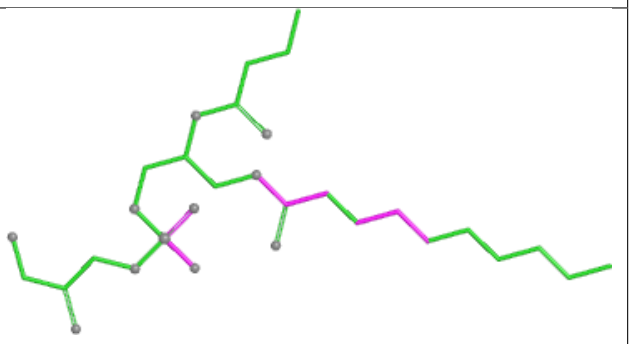

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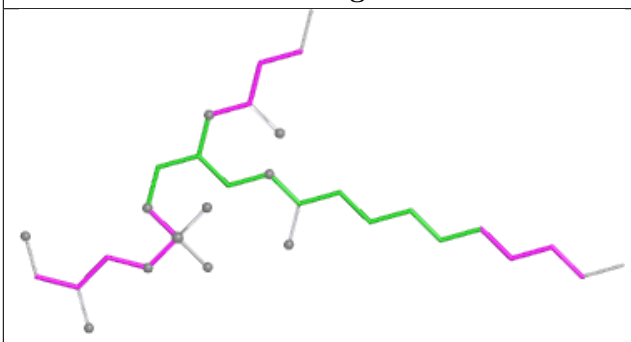
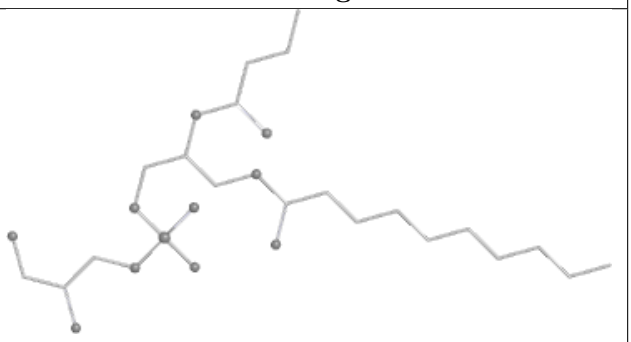


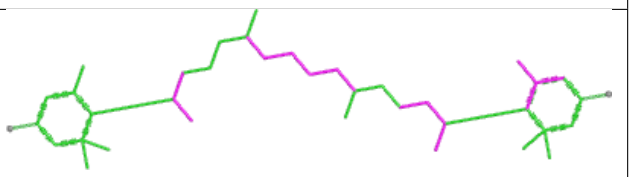
Torsions



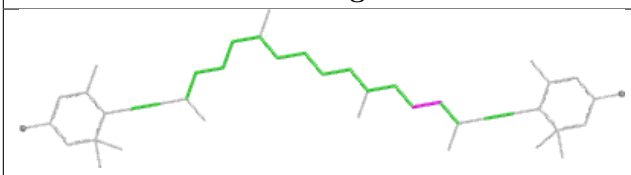
Rings

Ligand II0 2 614

Bond lengths



Bond angles



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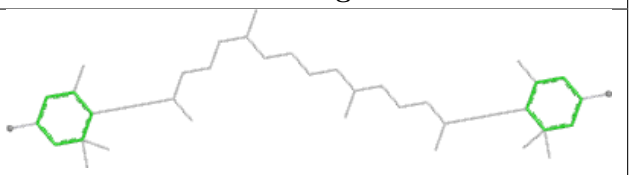
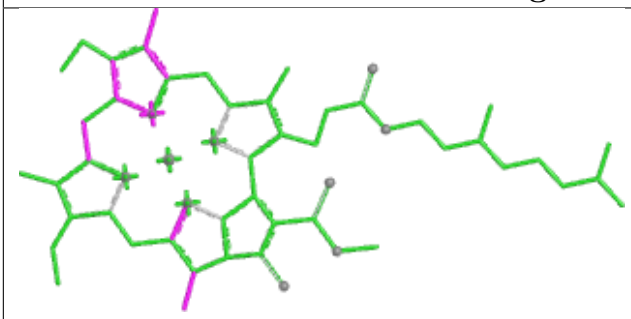


Rings

Ligand CLA c 615



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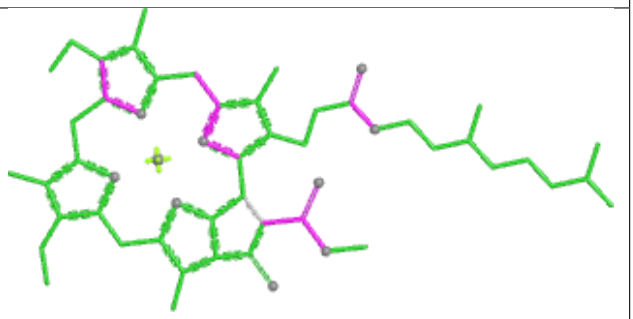
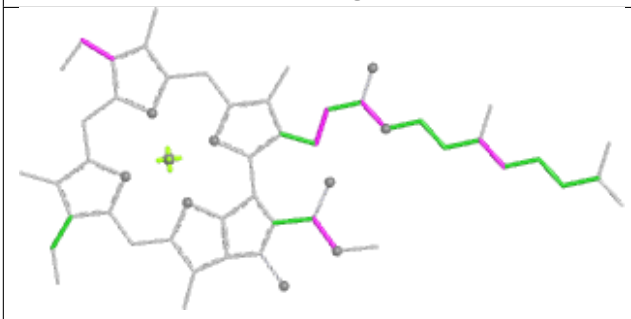


Bond angles



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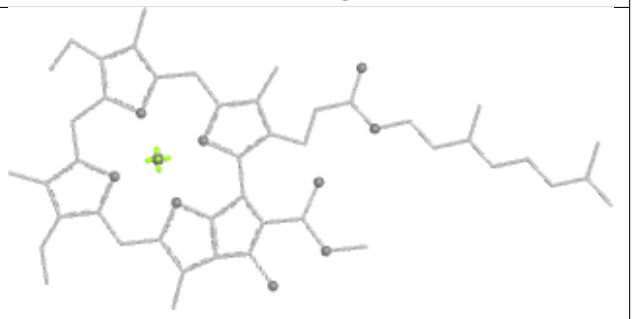
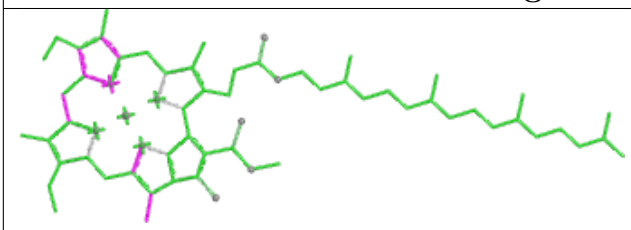


Rings

Ligand CLA B 827



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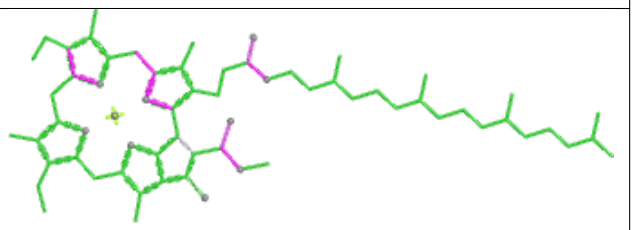
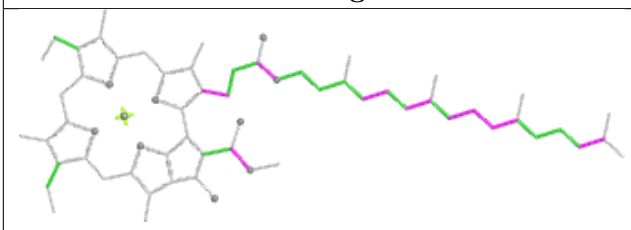


Bond angles



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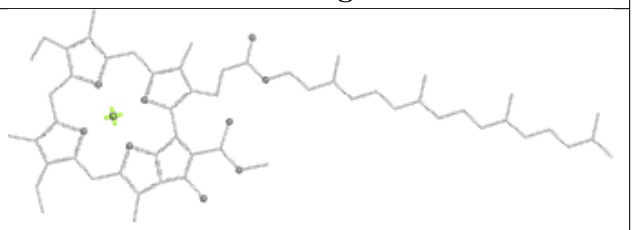
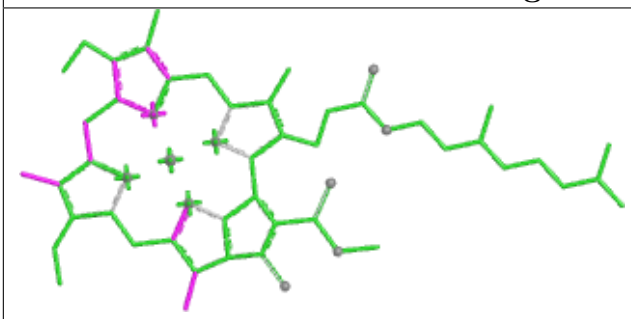
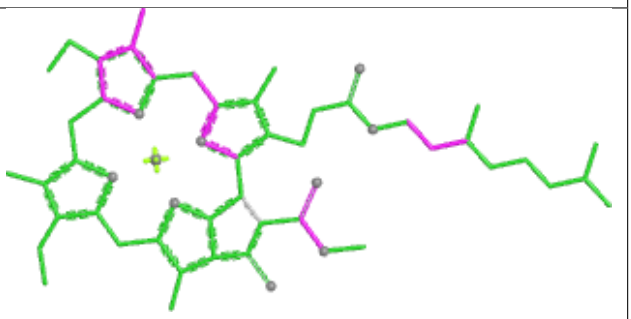
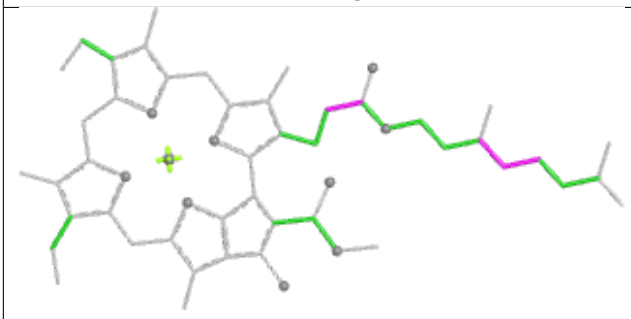
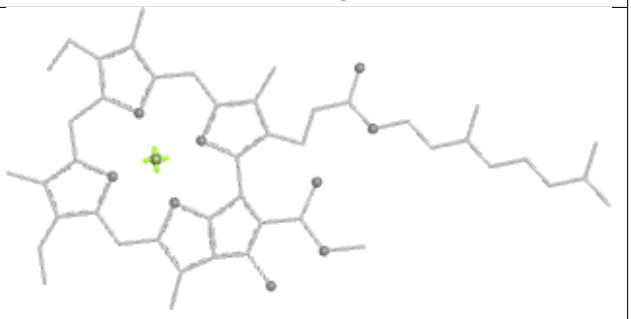


Rings

Ligand CLA O 201	
 Bond lengths	 Bond angles
 Torsions	 Rings

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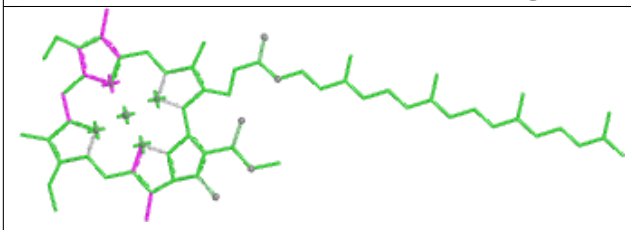
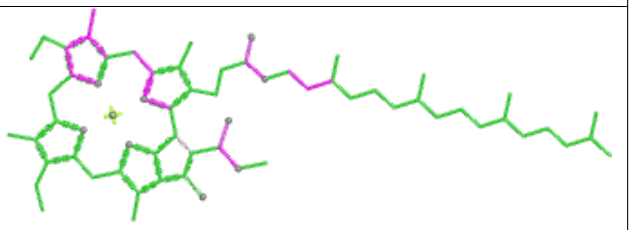
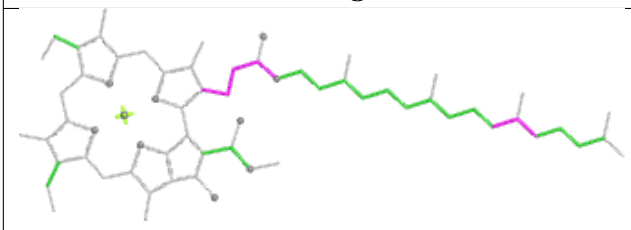
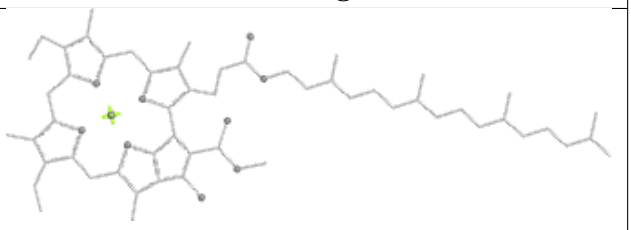
 Bond lengths	 Bond angles
 Torsions	 Rings

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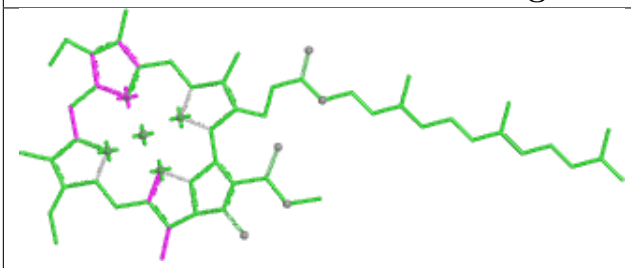
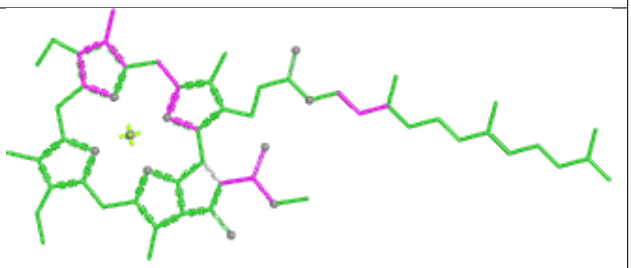
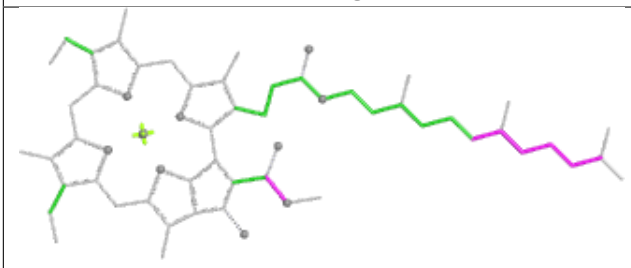
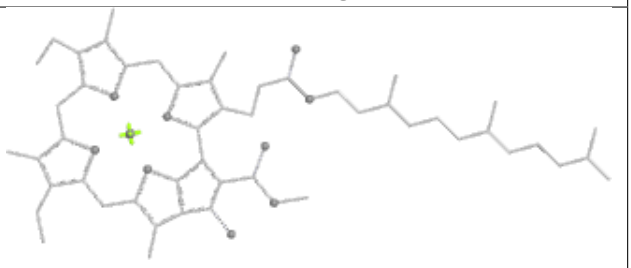
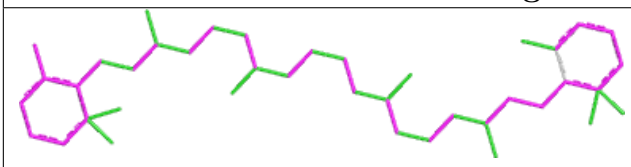
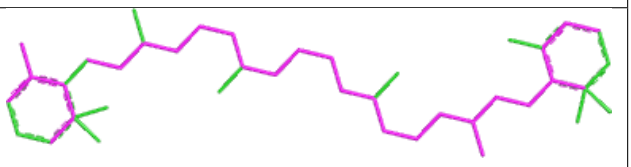
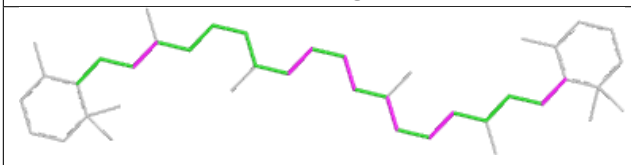
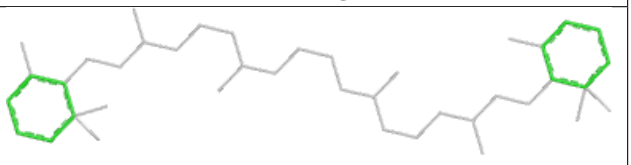
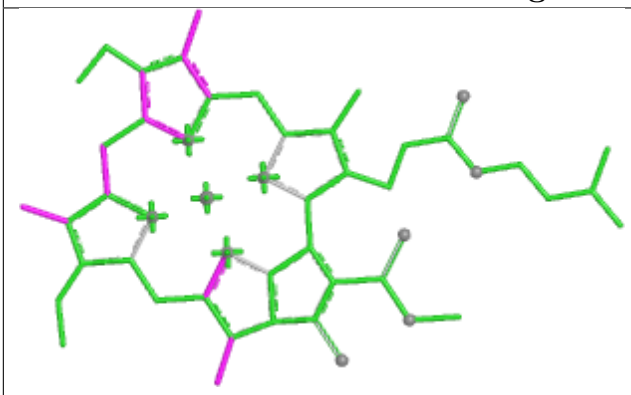
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand 8CT M 101	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA 3 312



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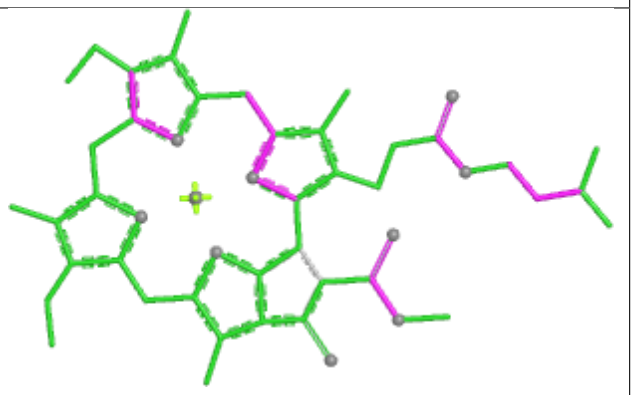
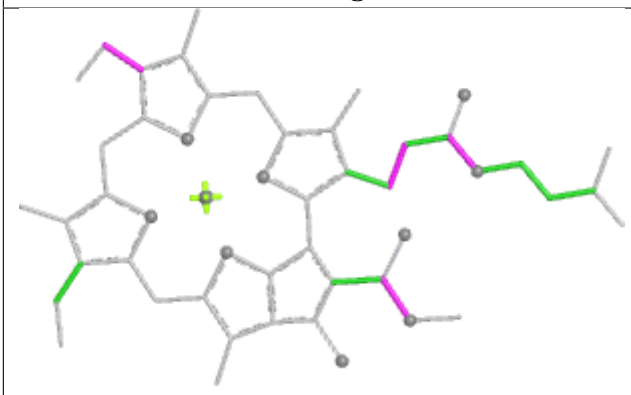
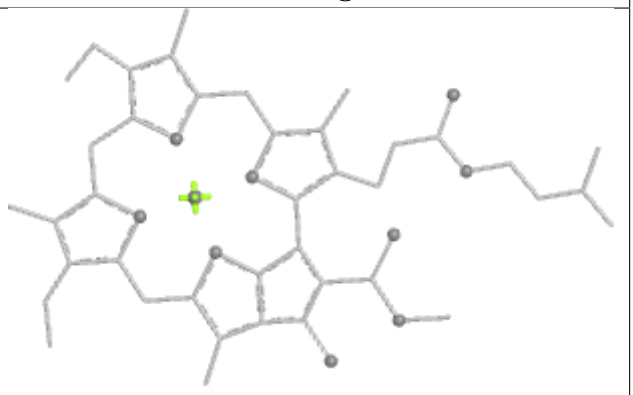


Bond angles

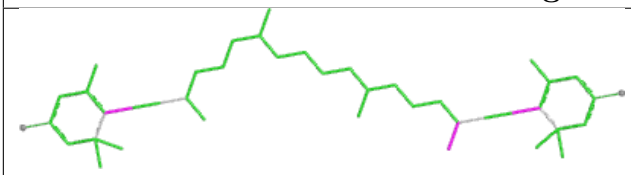


Torsions



Rings

Ligand II0 9 317



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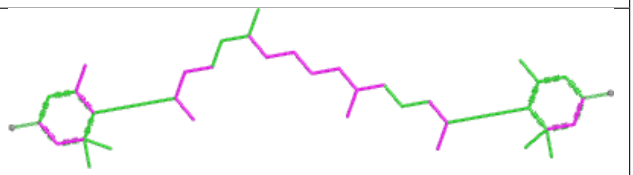
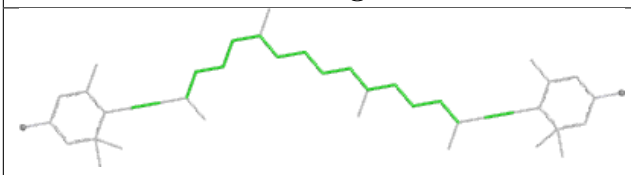


Bond angles



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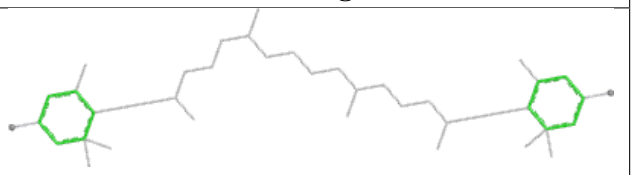
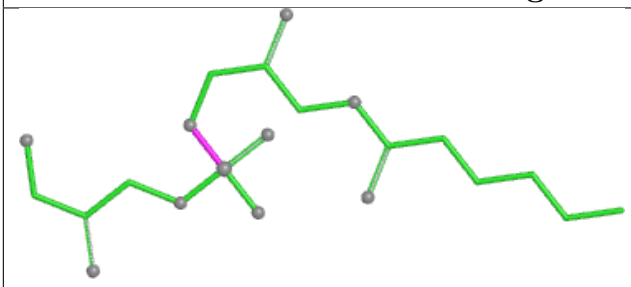


Rings

Ligand LHG 2 617



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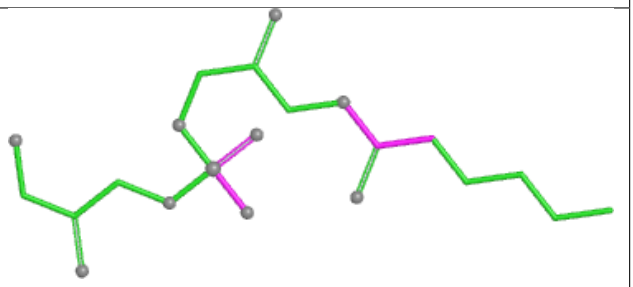
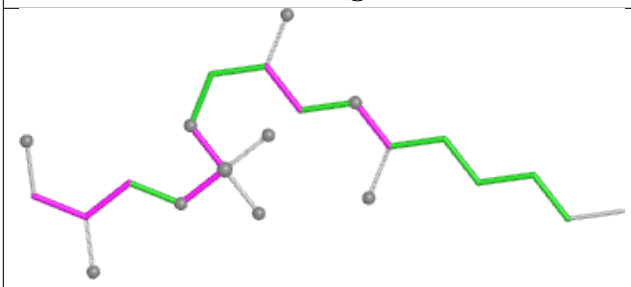
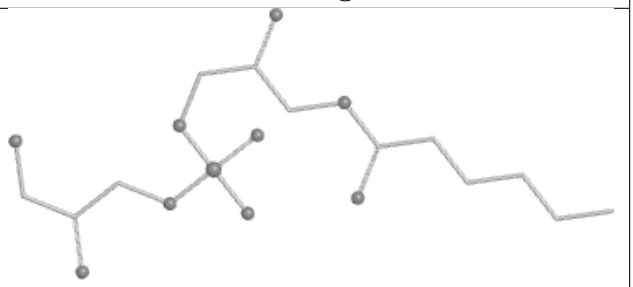


Bond angles

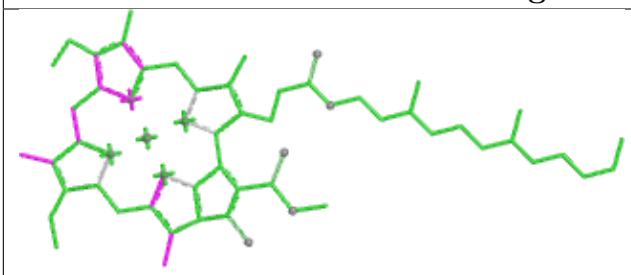


Torsions

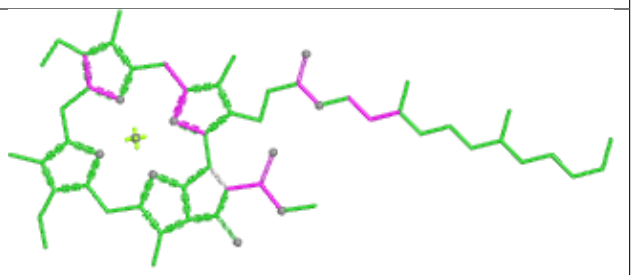


Rings

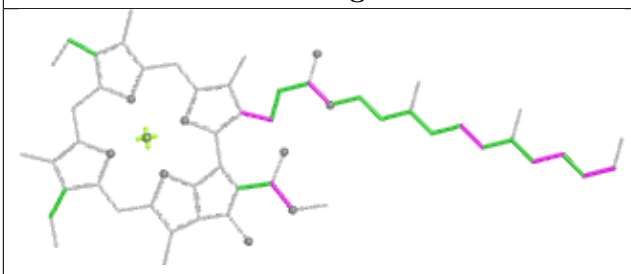
Ligand CLA 2 602



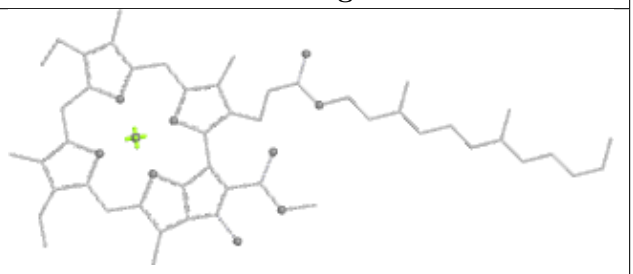
Bond lengths



Bond angles

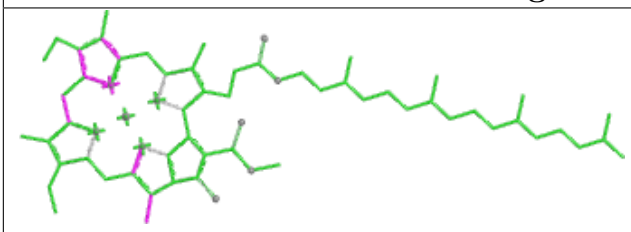


Torsions

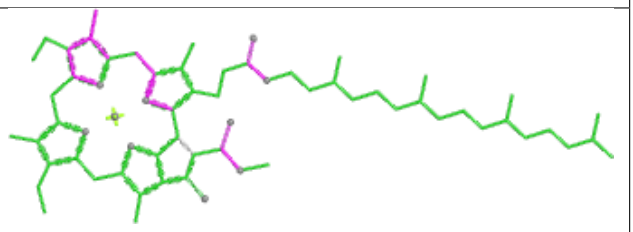


Rings

Ligand CLA 4 611



Bond lengths



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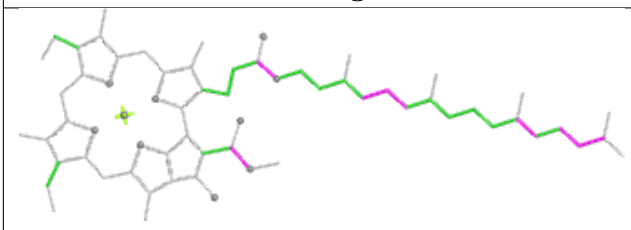
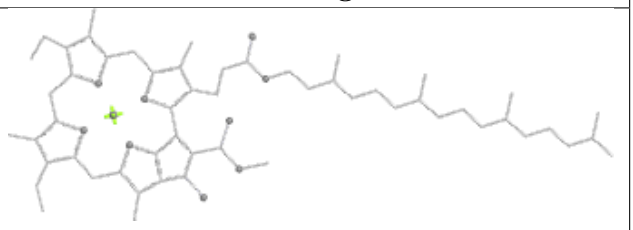
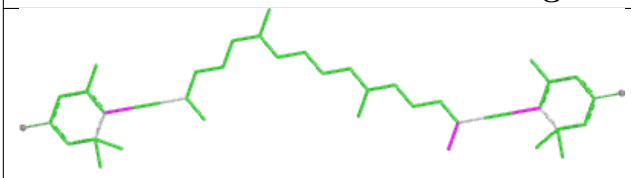


Torsions



Rings

Ligand II0 a 619



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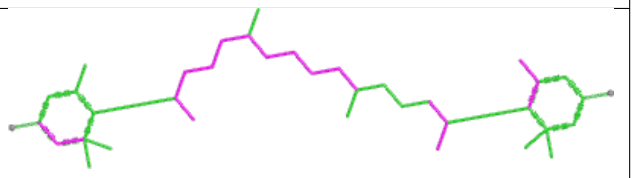

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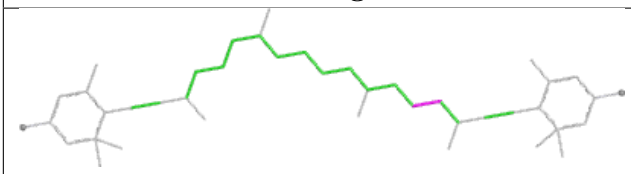

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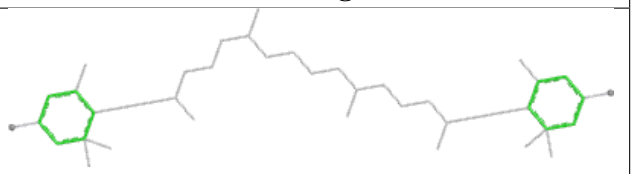
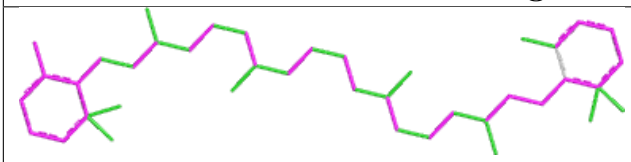


Rings

Ligand 8CT B 846



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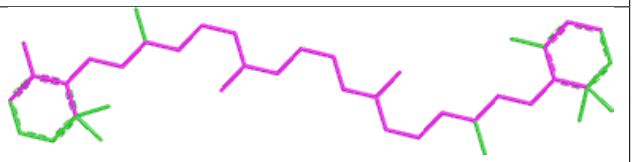
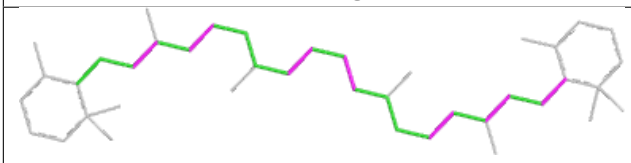


Bond angles



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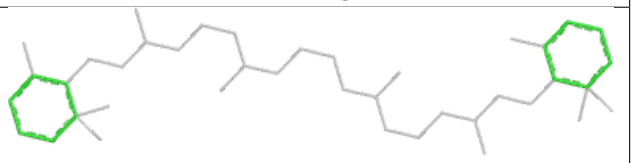
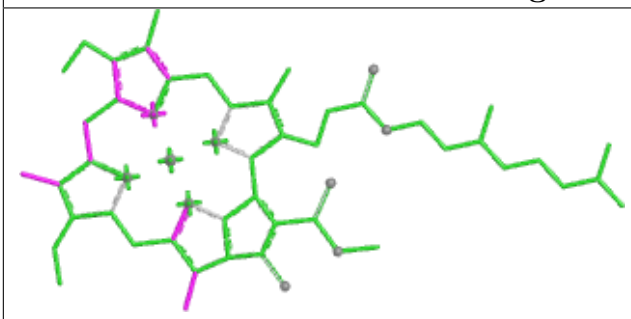
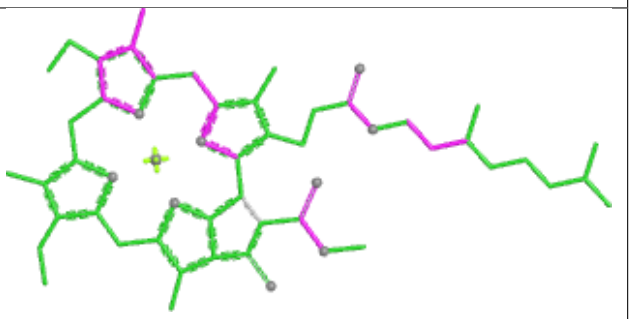
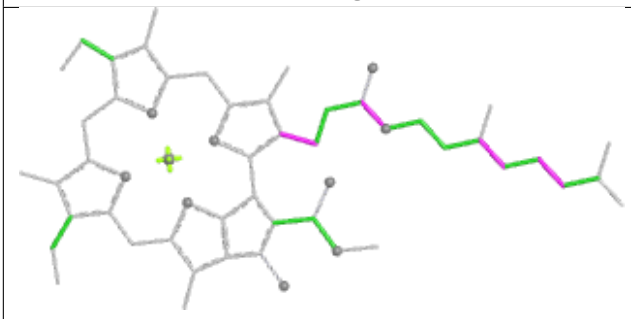
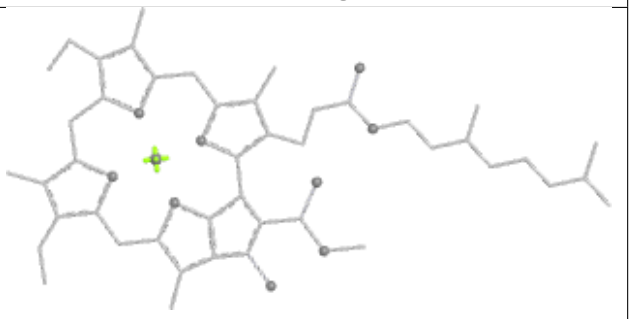
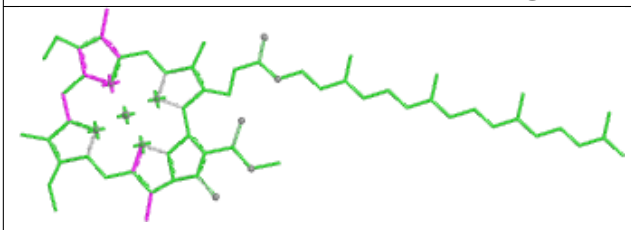
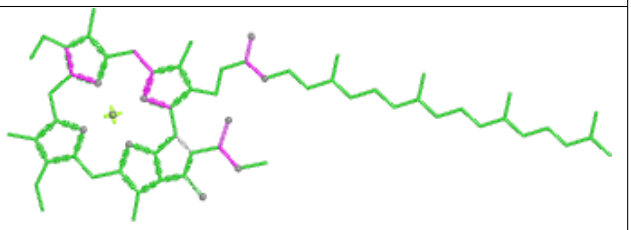
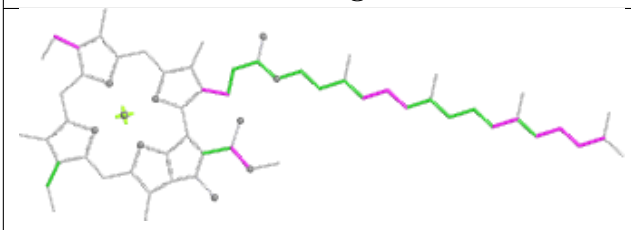
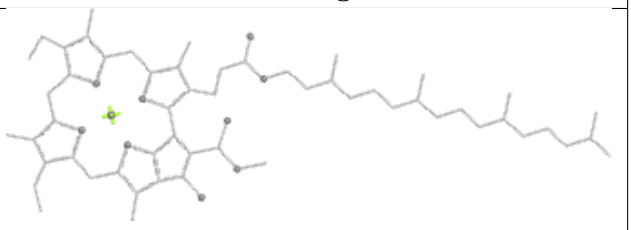
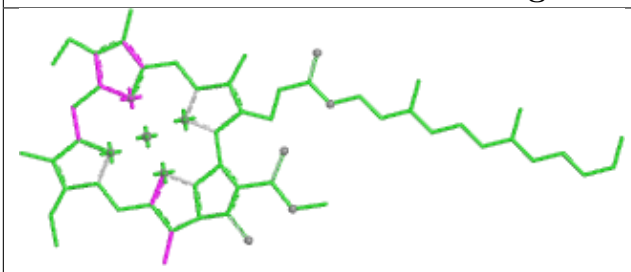


Rings

Ligand CLA e 602	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA A 831	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA 1 602



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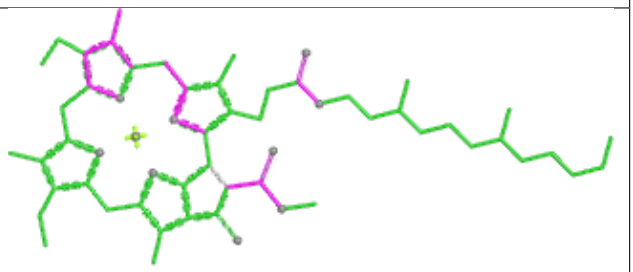

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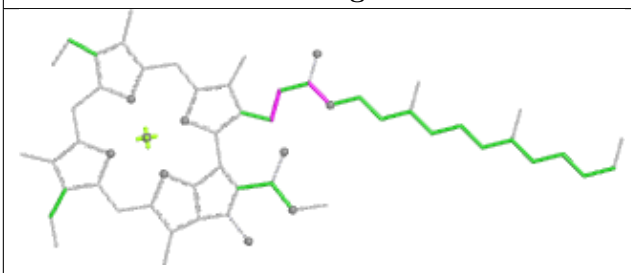

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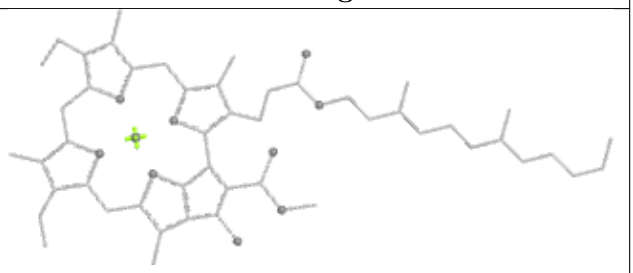
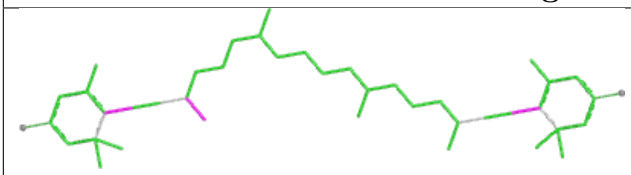


Rings

Ligand II0 d 613



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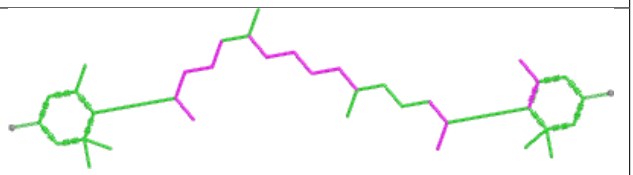
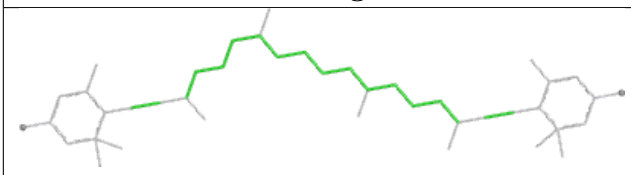


Bond angles



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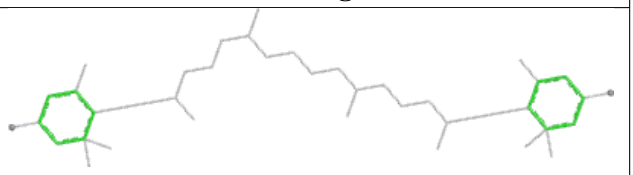
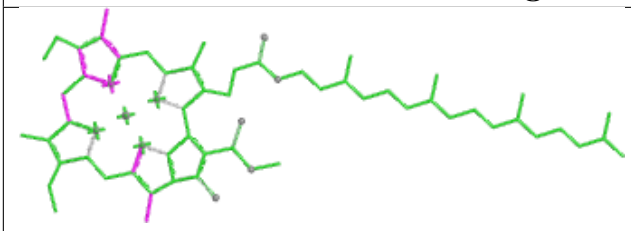


Rings

Ligand CLA B 807



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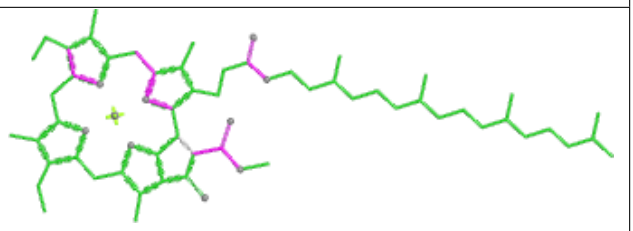

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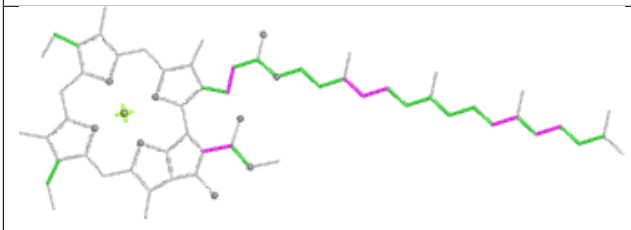

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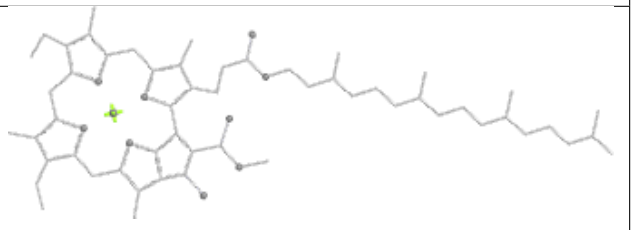
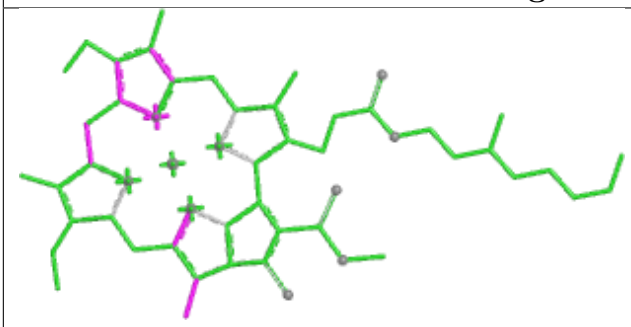


Rings

Ligand CLA 4 603



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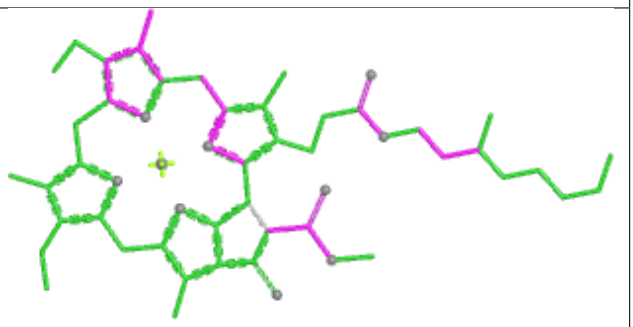
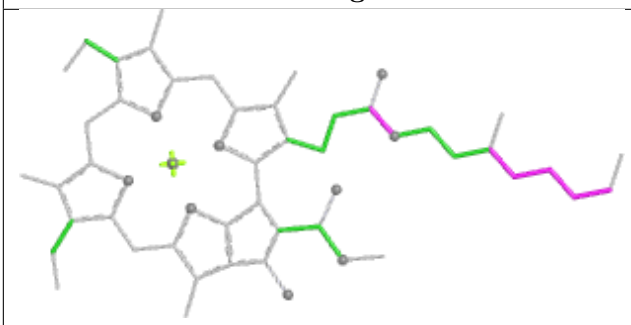


Bond angles



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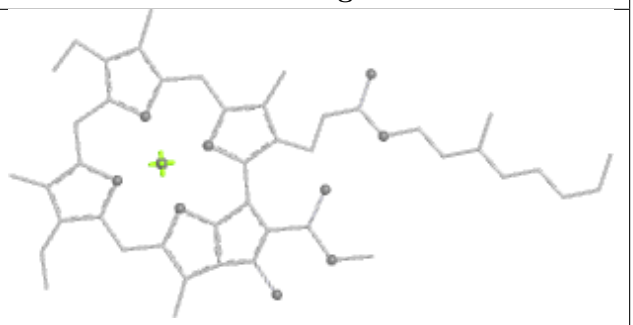
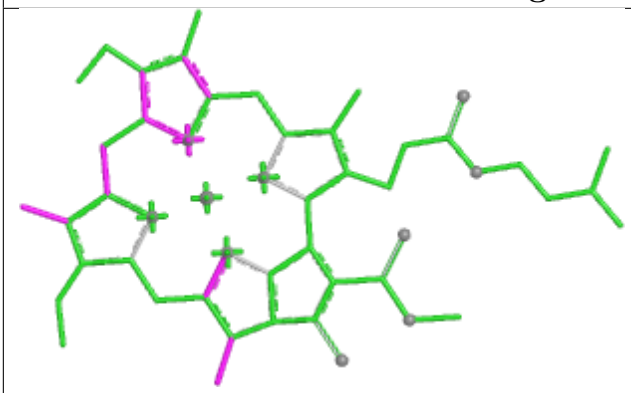


Rings

Ligand CLA e 603



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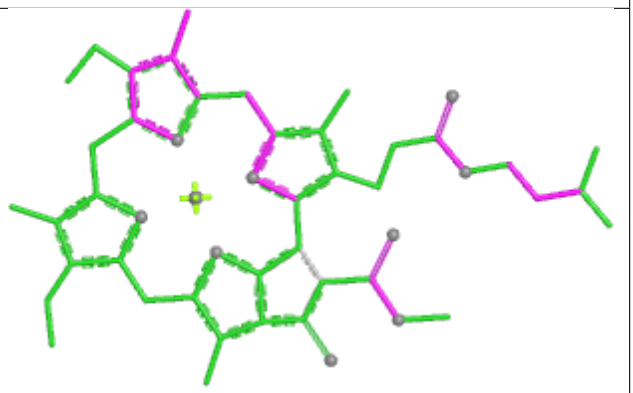

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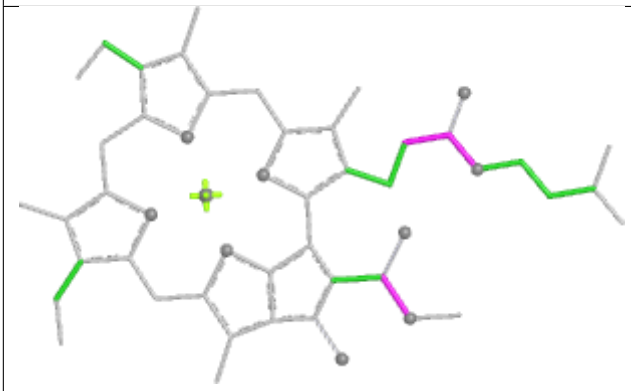

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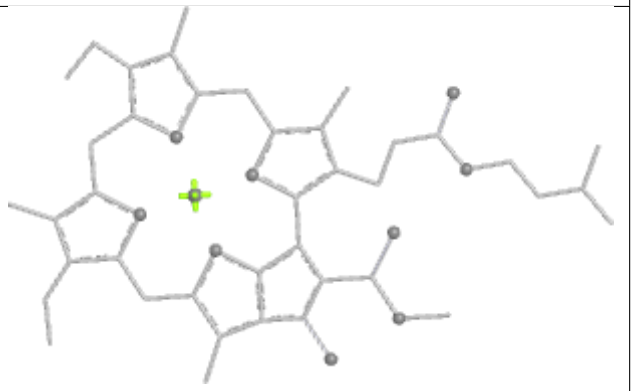
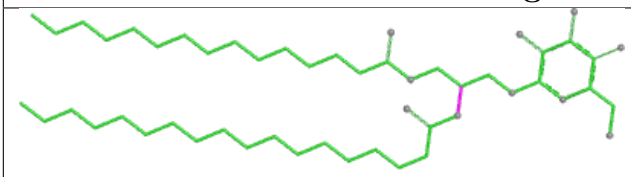


Rings

Ligand LMG 8 314



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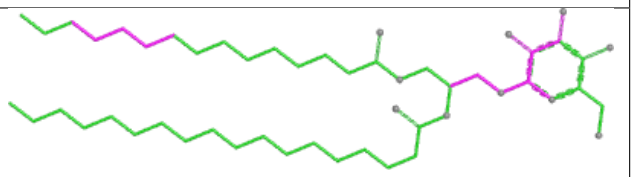

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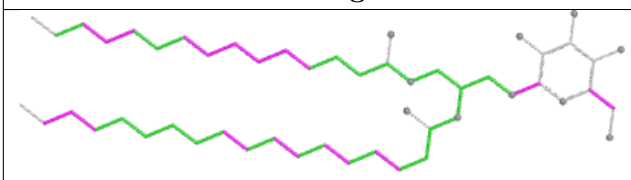

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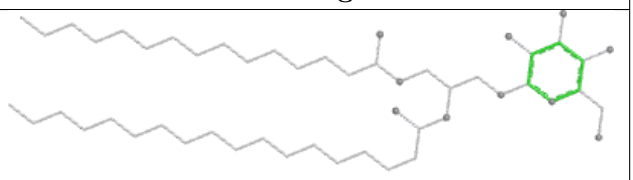
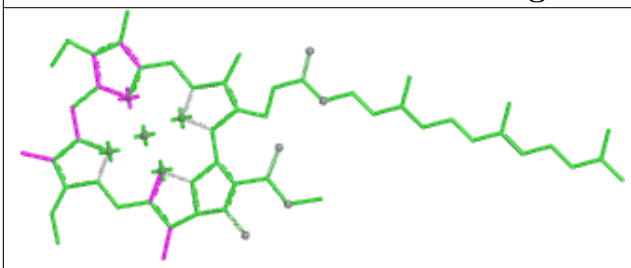


Rings

Ligand CLA 1 608



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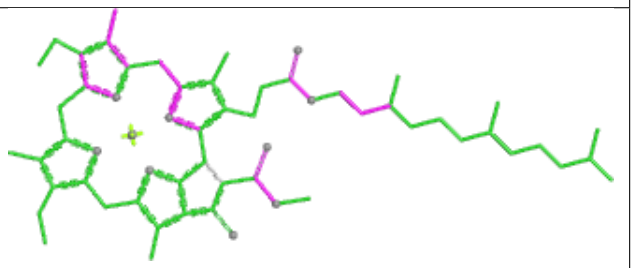
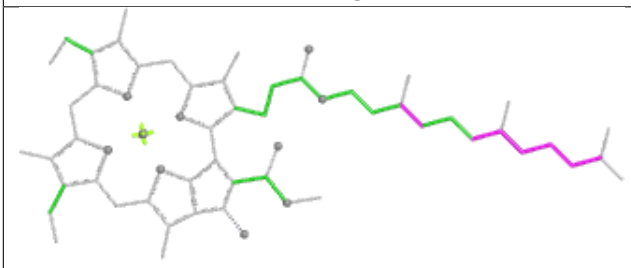


Bond angles



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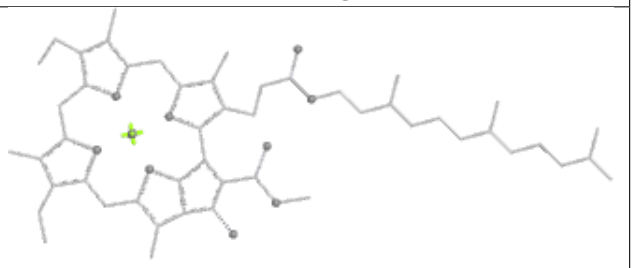
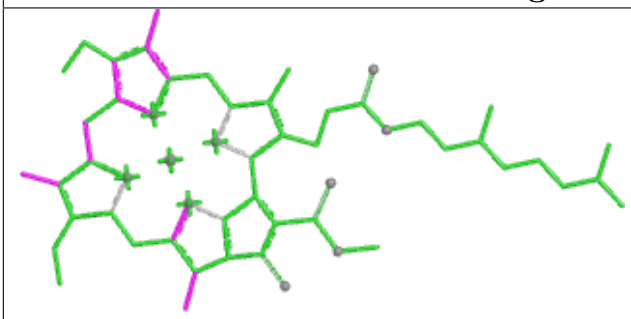


Rings

Ligand CLA 2 604



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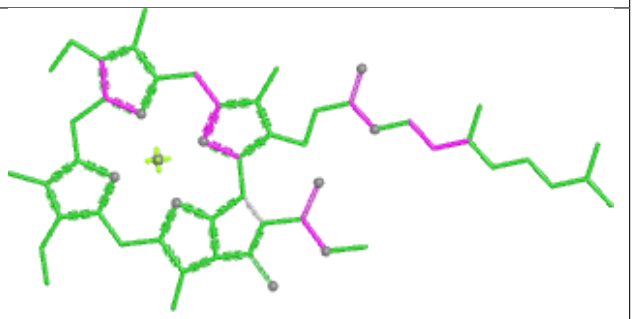
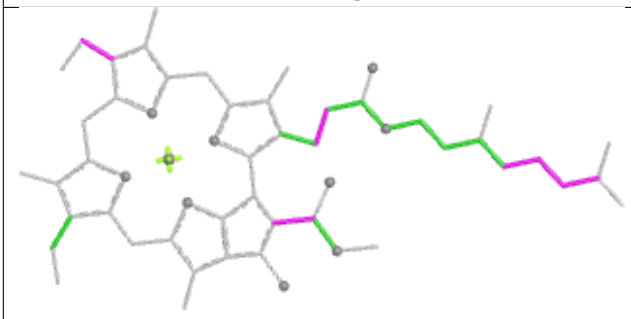
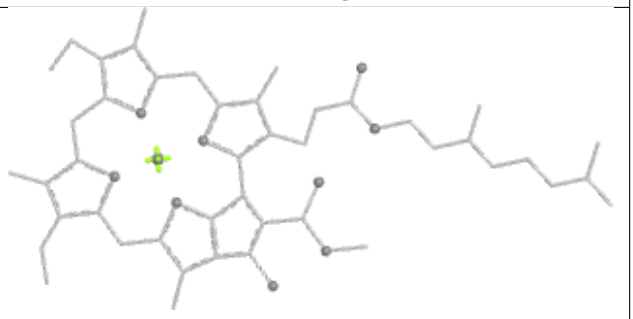


Bond angles

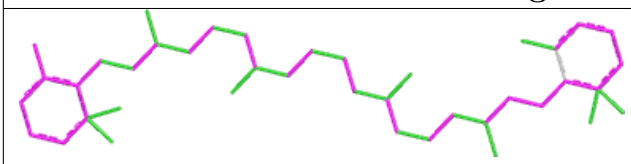


Torsions



Rings

Ligand 8CT Z 307



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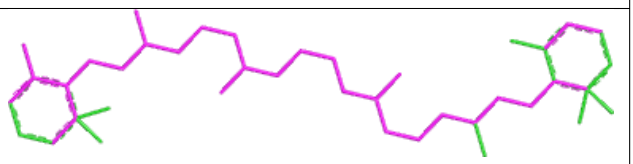
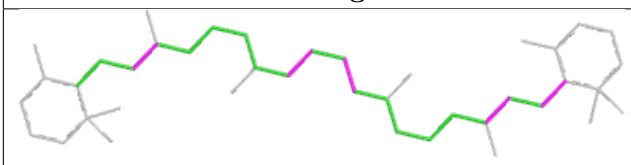
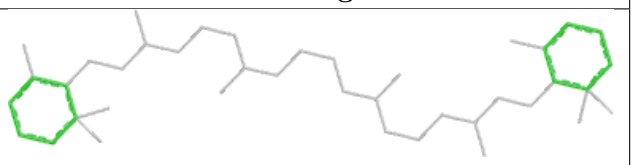


Bond angles

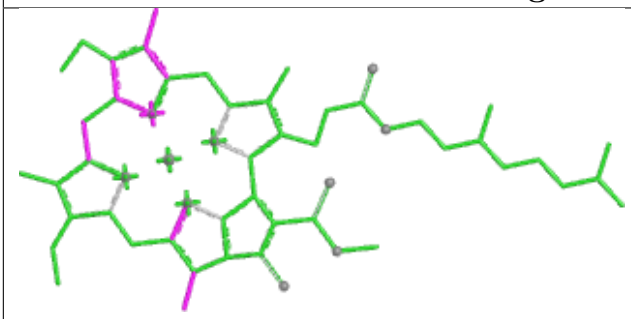


Torsions

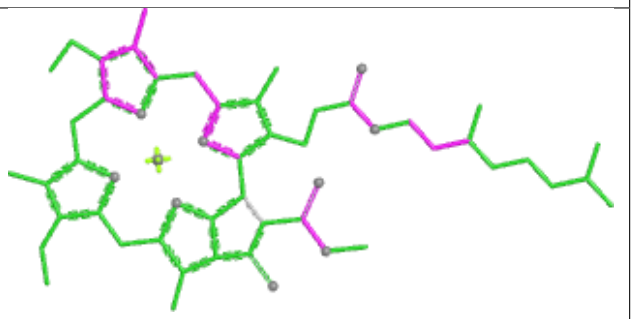


Rings

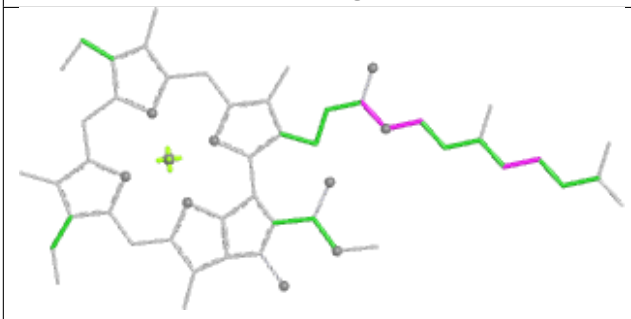
Ligand CLA 4 601



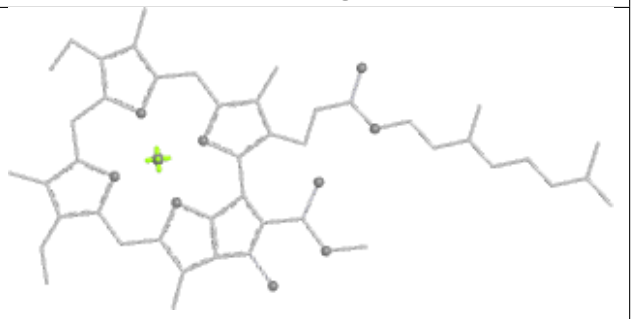
Bond lengths



Bond angles

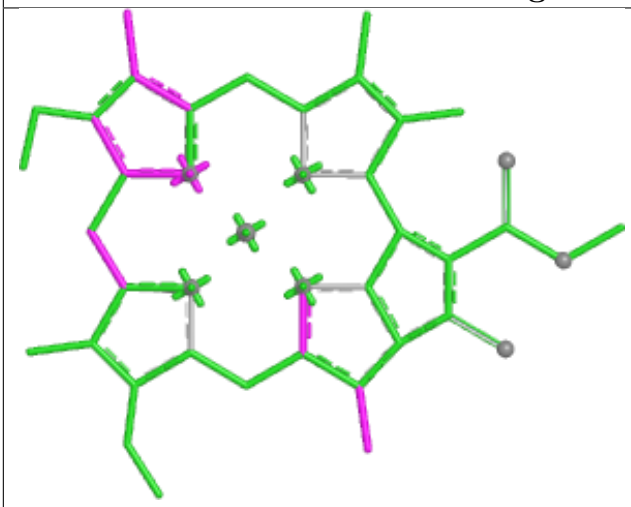


Torsions



Rings

Ligand CLA 9 315



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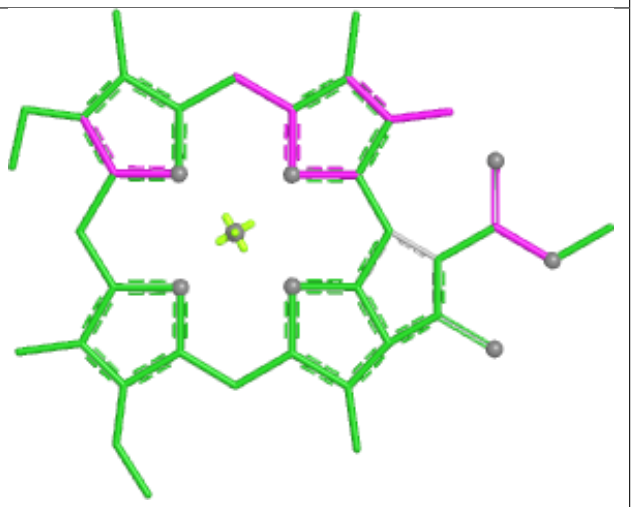

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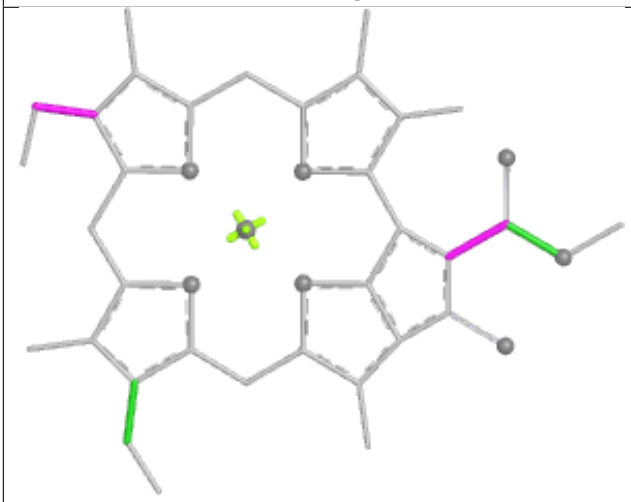
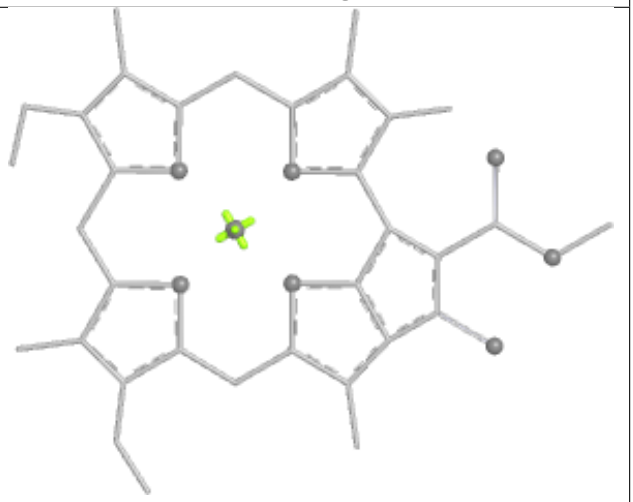
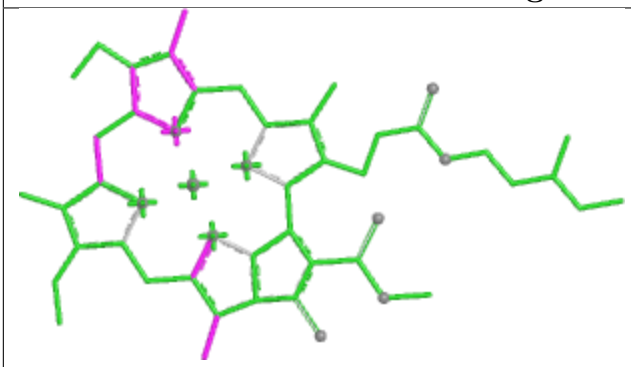


Torsions



Rings

Ligand CLA L 201



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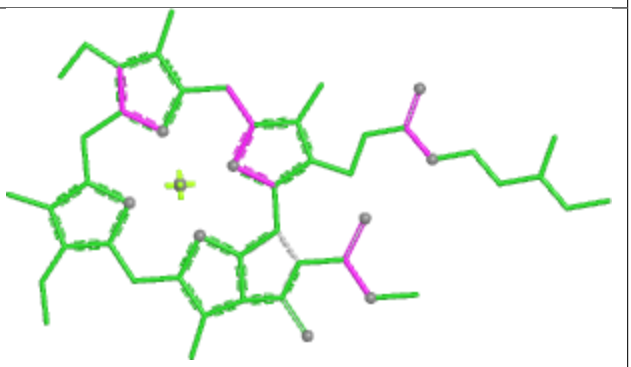

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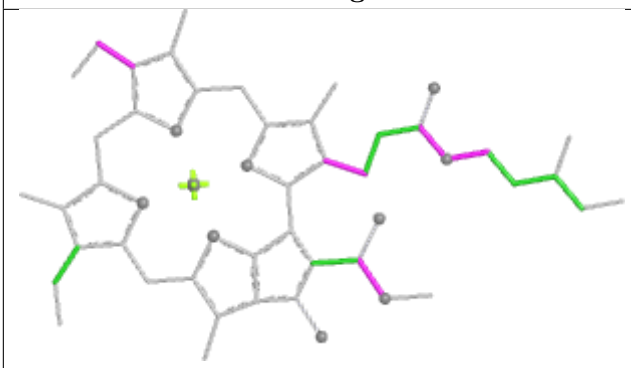

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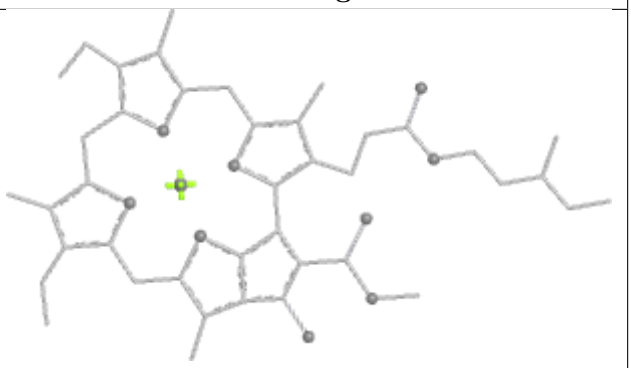
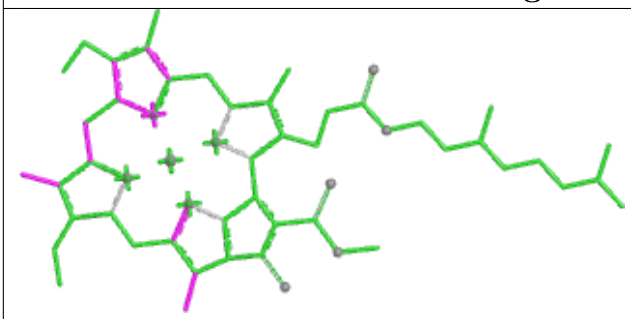


Rings

Ligand CLA A 808



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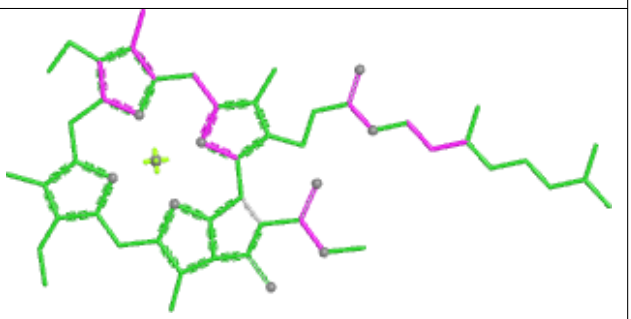

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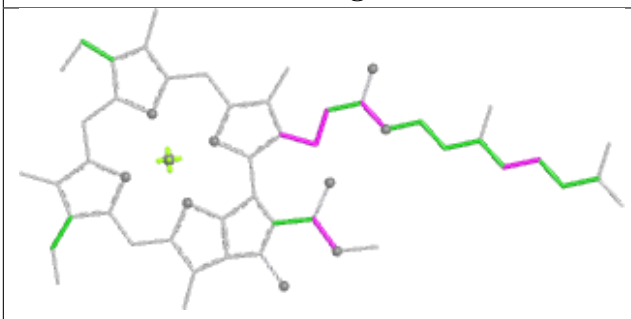

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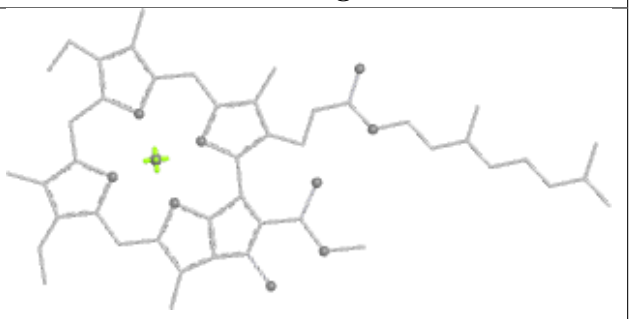
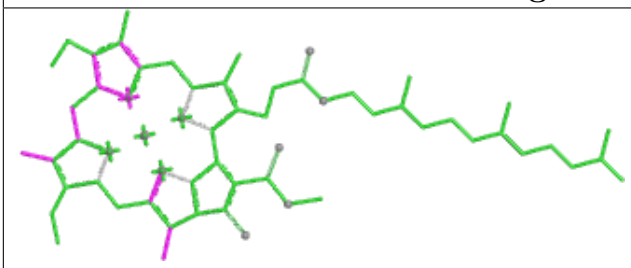
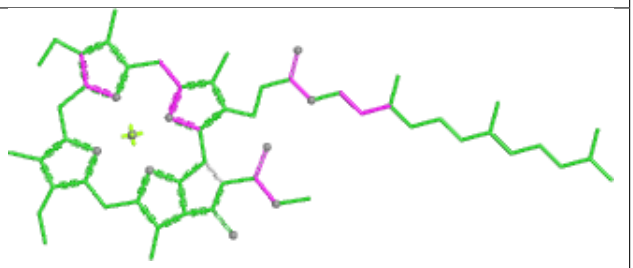
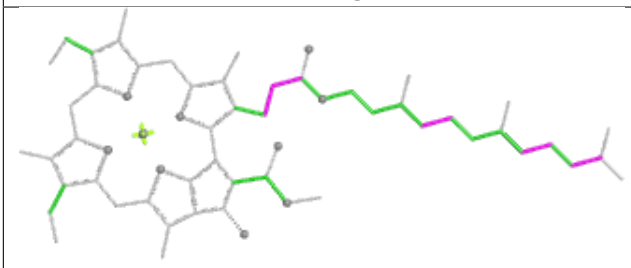
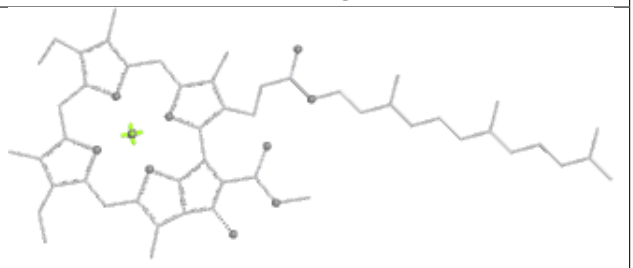


Rings

Ligand CLA e 604	
	
Bond lengths	Bond angles
	
Torsions	Rings

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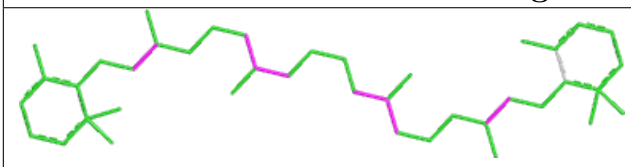
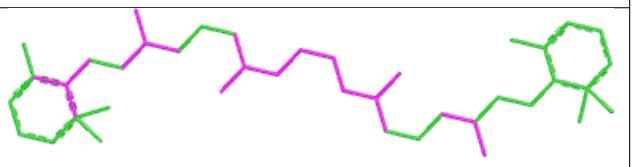
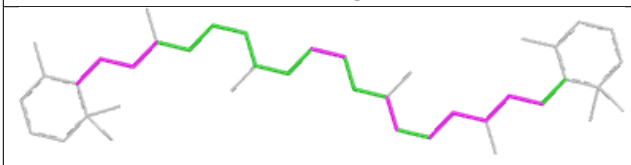
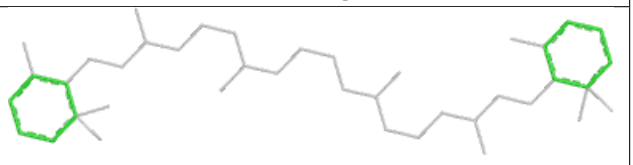
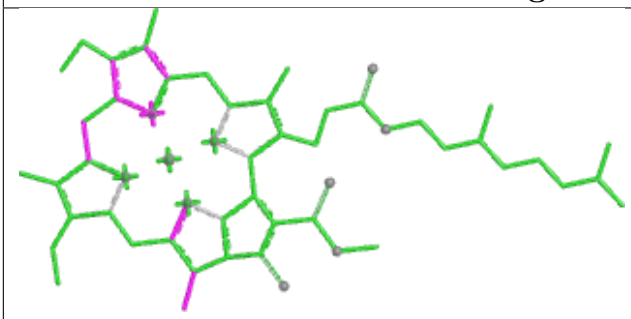
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA 9 303



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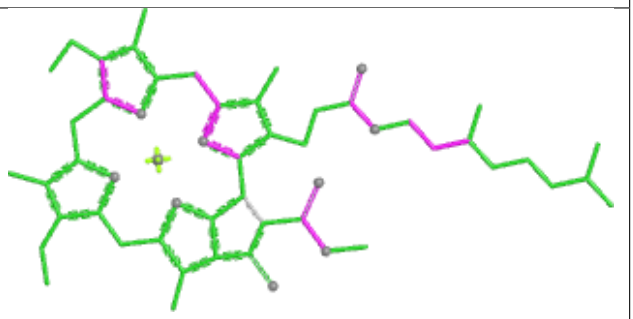

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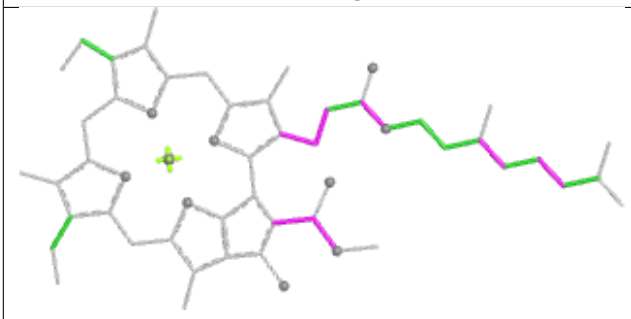
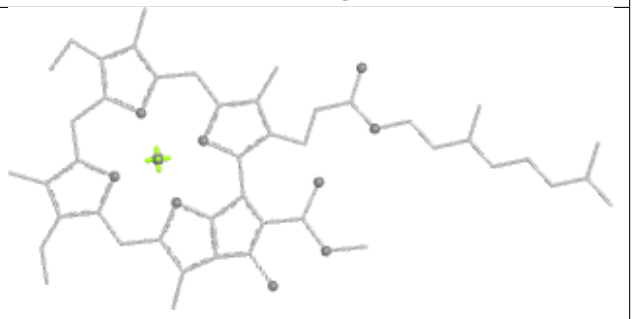
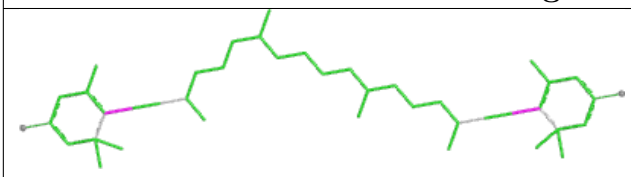


Torsions



Rings

Ligand II0 3 317



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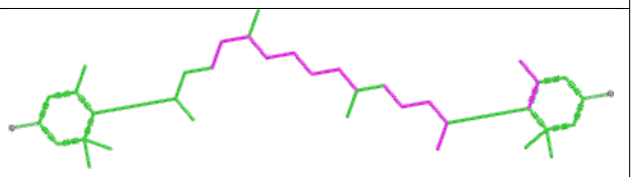

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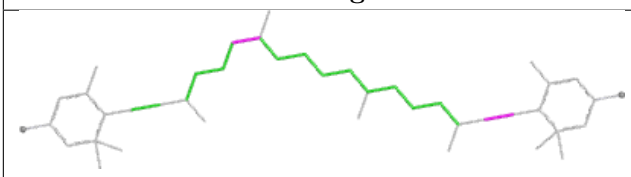

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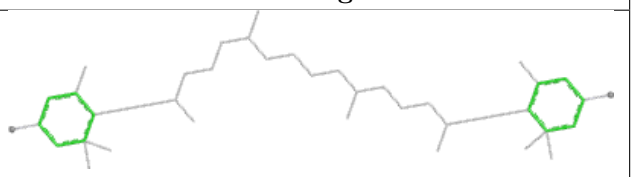
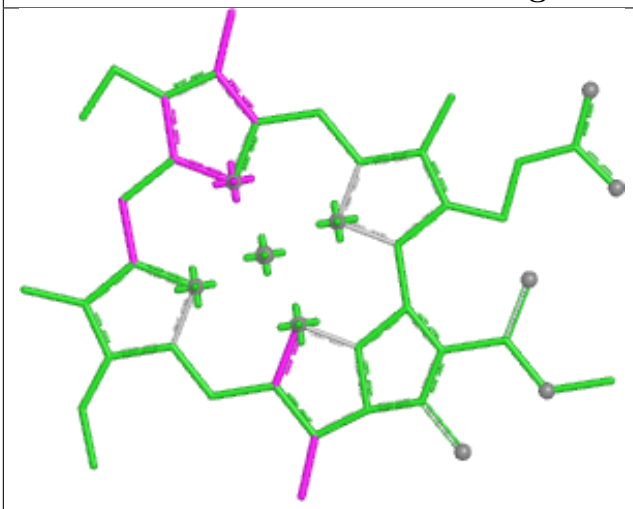


Rings

Ligand CLA e 607



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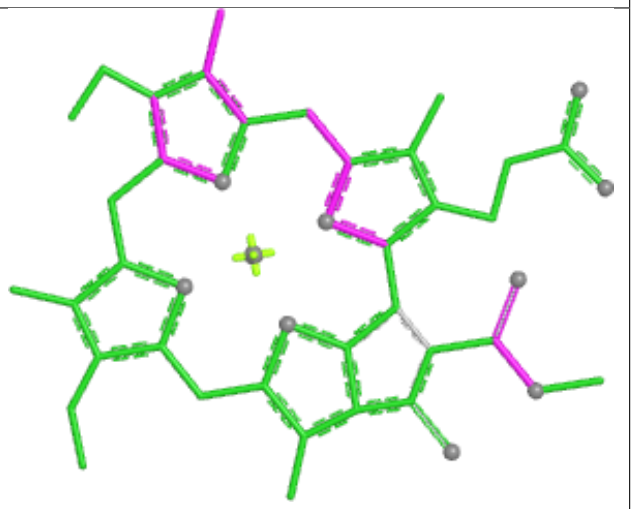
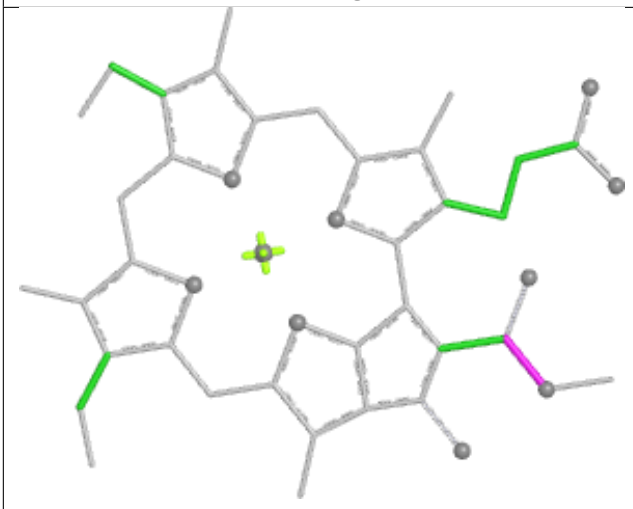


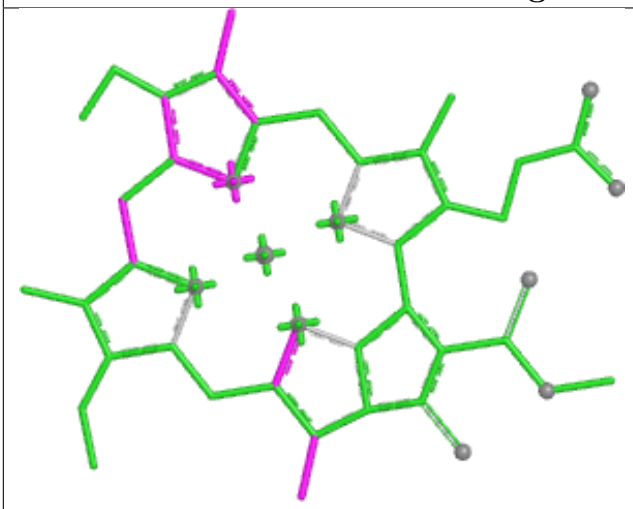
Bond angles



Torsions

Rings

Ligand CLA 6 601



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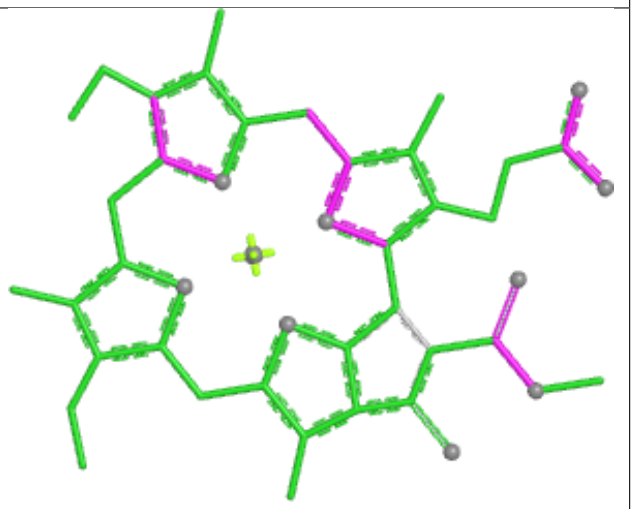

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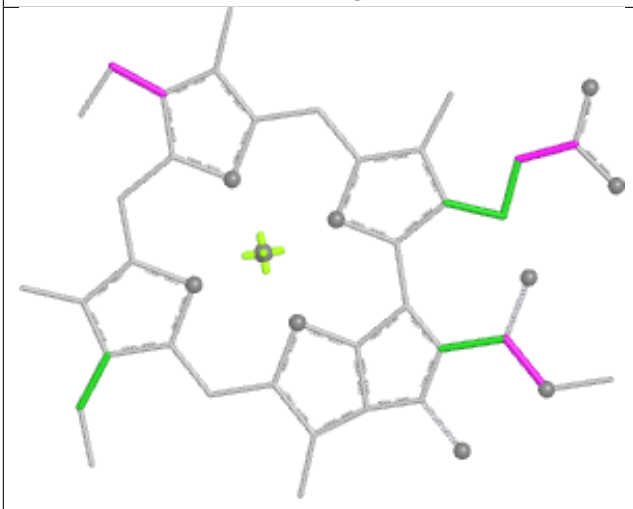
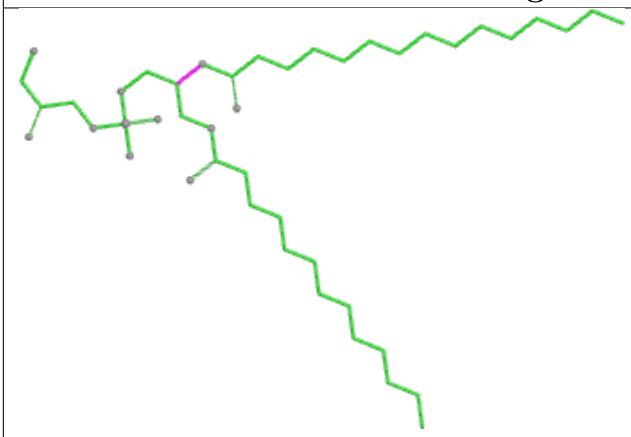


Torsions

Rings

Ligand LHG 4 619



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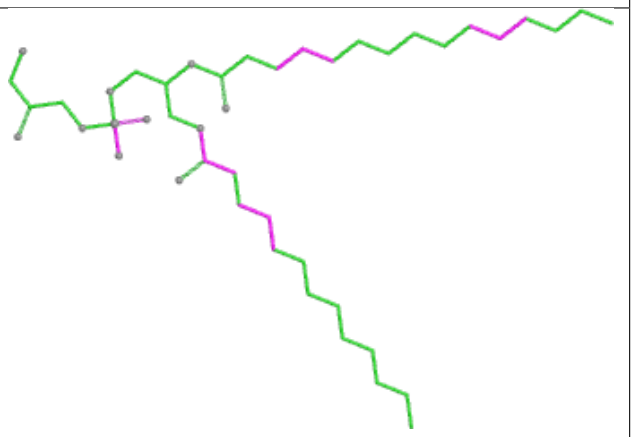

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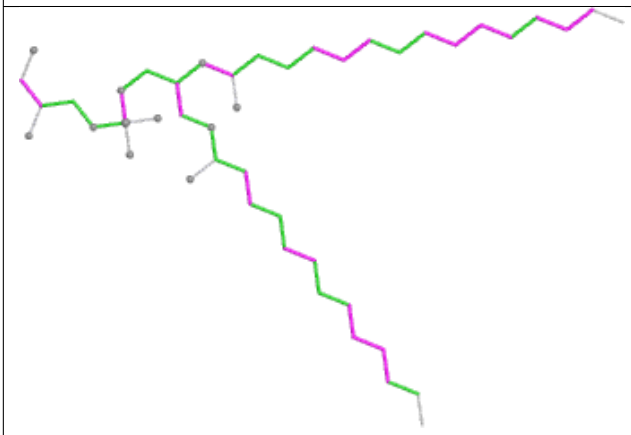

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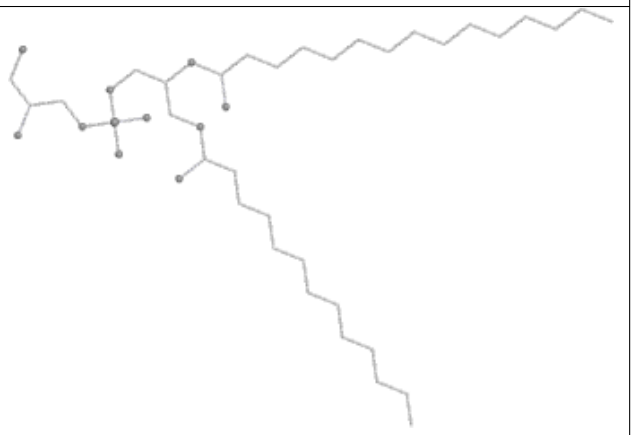
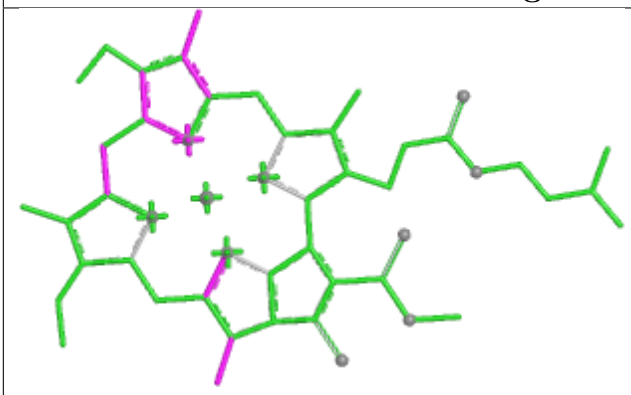


Rings

Ligand CLA A 805



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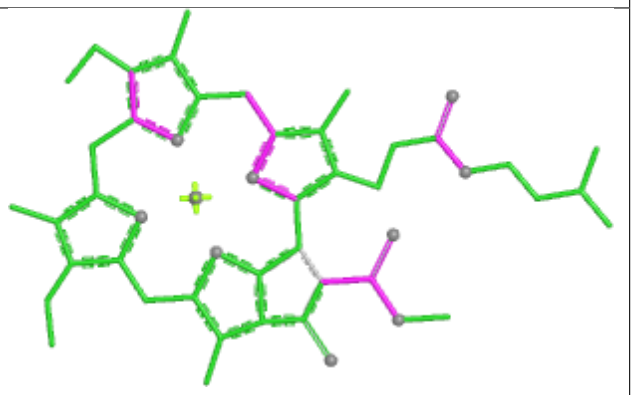
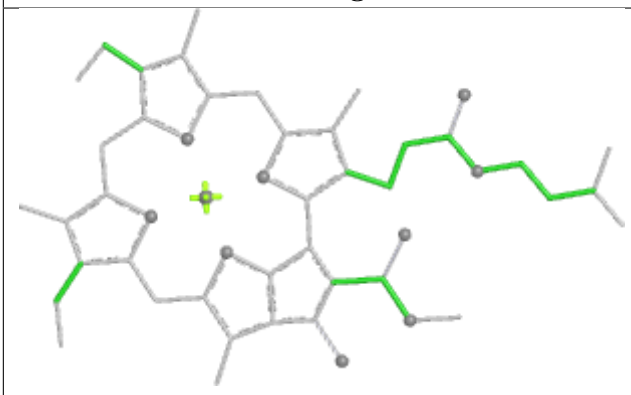


Bond angles



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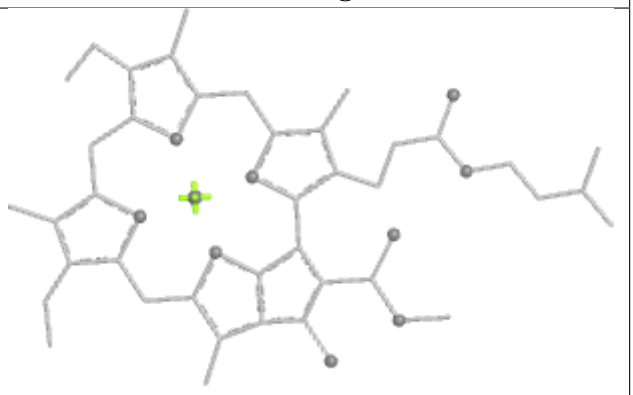
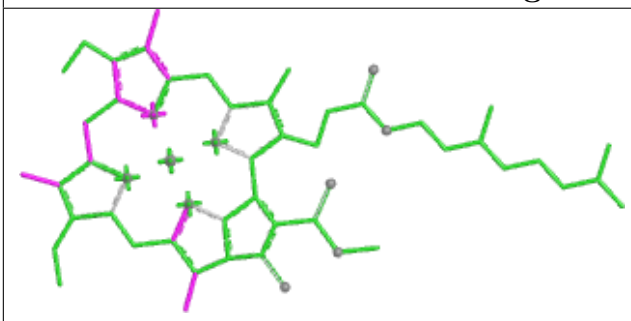
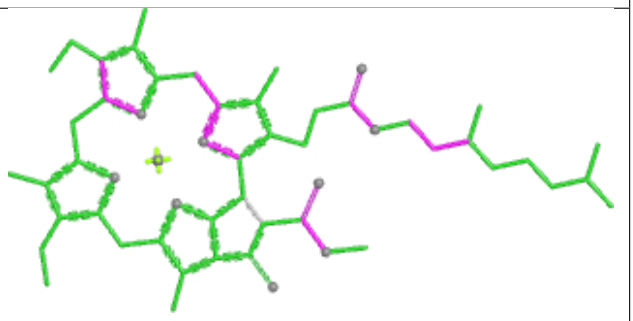


Rings

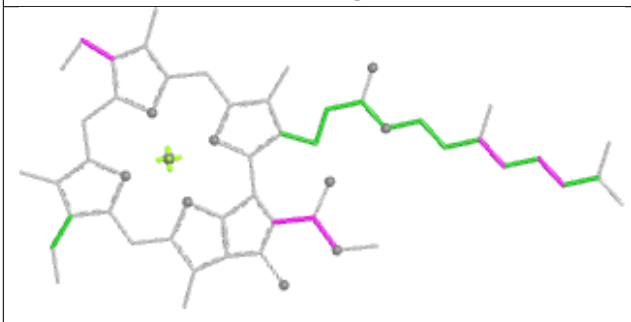
Ligand CLA O 203



Bond lengths



Bond angles



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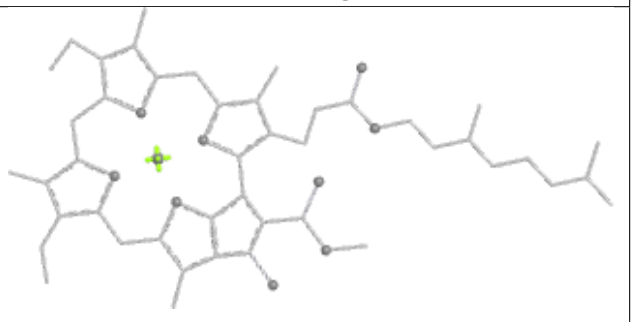
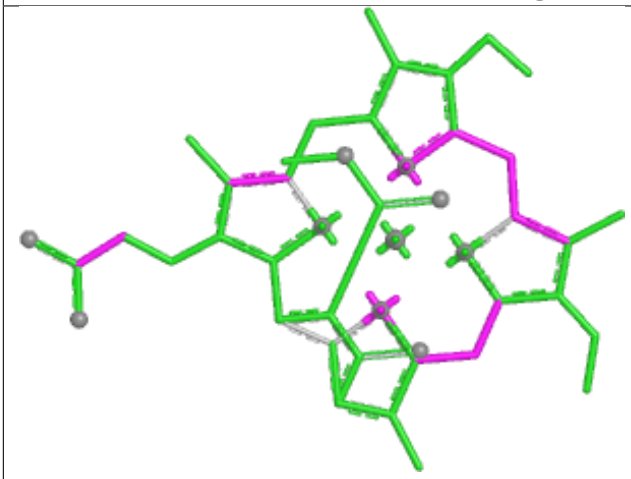
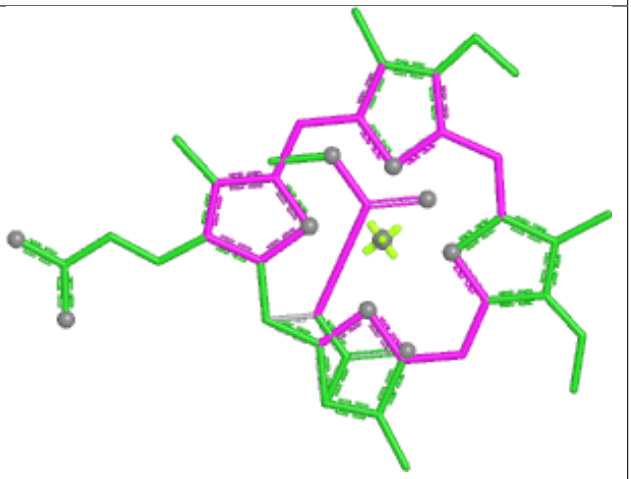


Rings

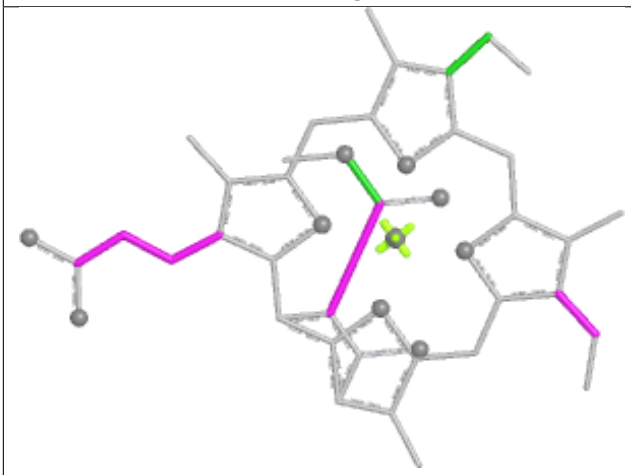
Ligand KC2 c 610



Bond lengths



Bond angles



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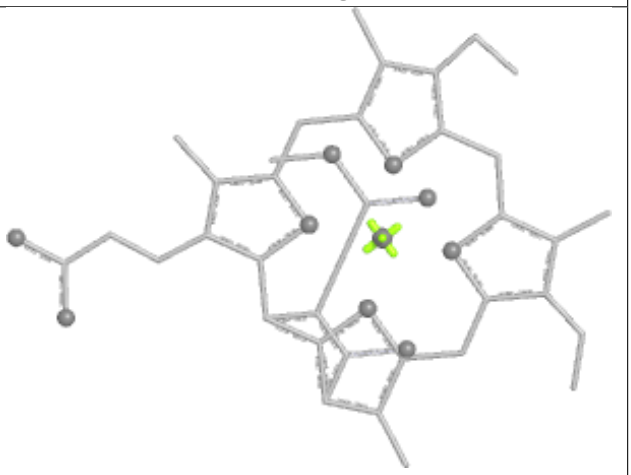
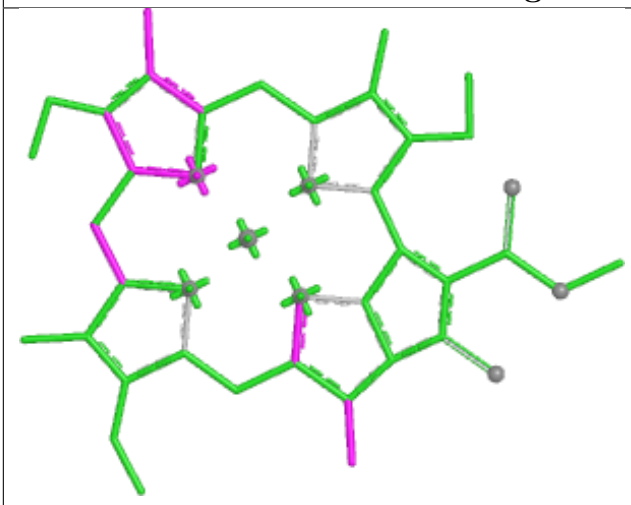


Rings

Ligand CLA B 815



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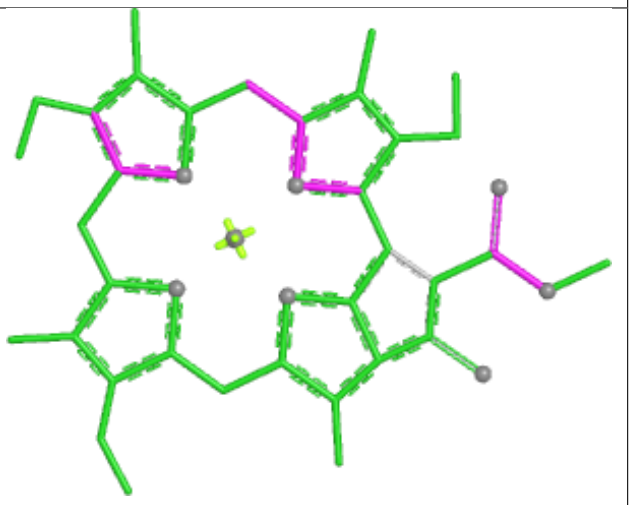
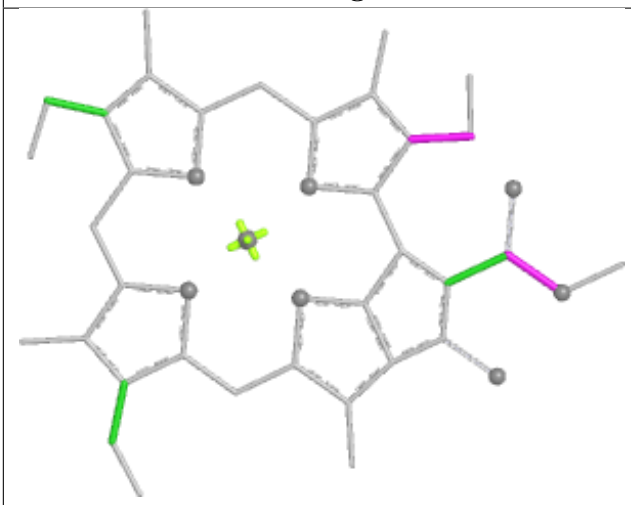


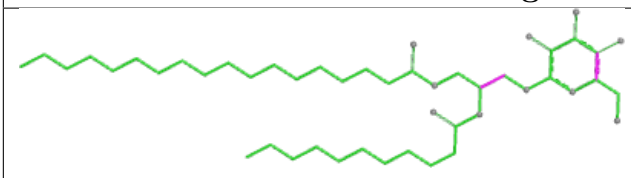
Bond angles



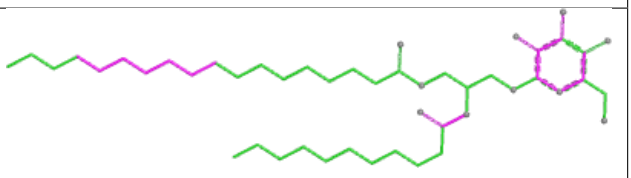
Torsions

Rings

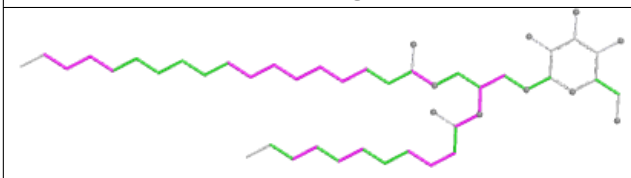
Ligand LMG Z 310



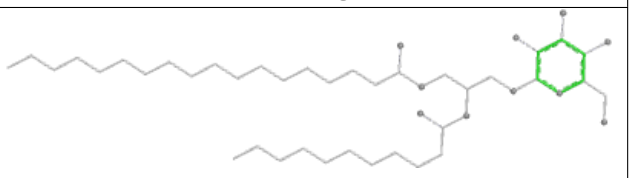
Bond lengths



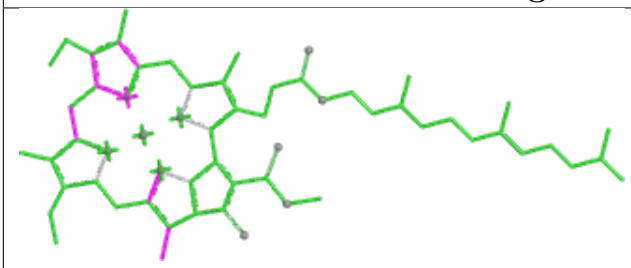
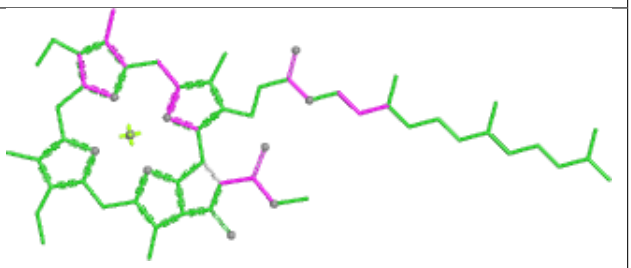
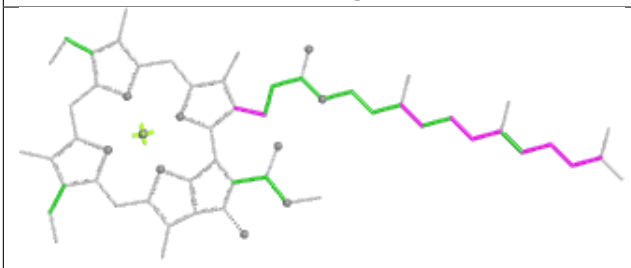
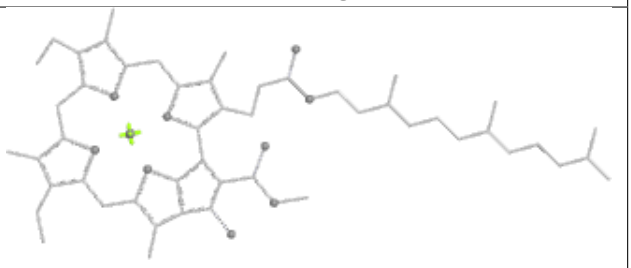
Bond angles

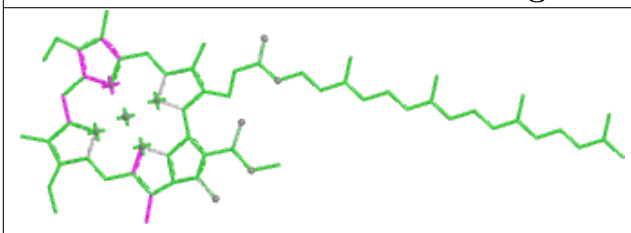
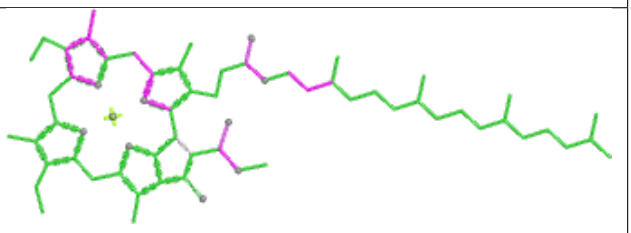
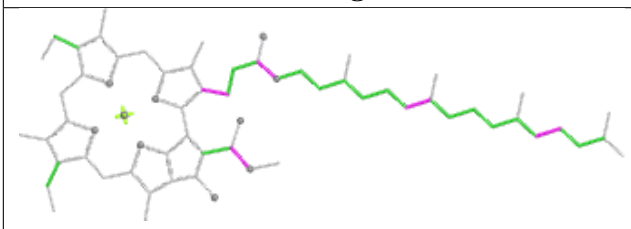
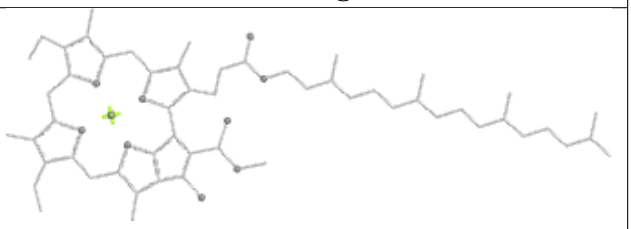


Torsions

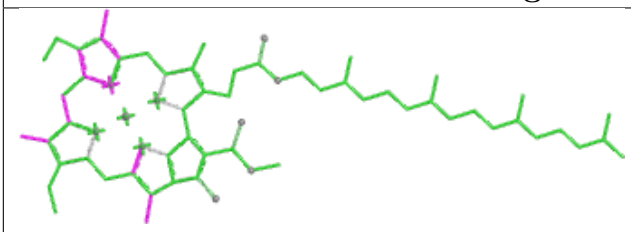


Rings

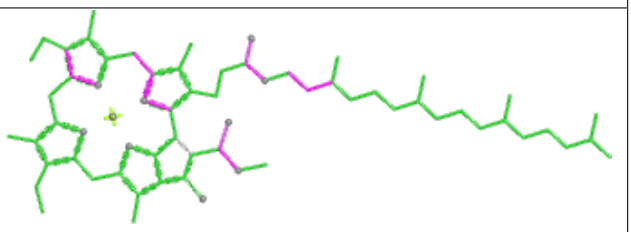
Ligand CLA a 608	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA a 612	
	
Bond lengths	Bond angles
	
Torsions	Rings

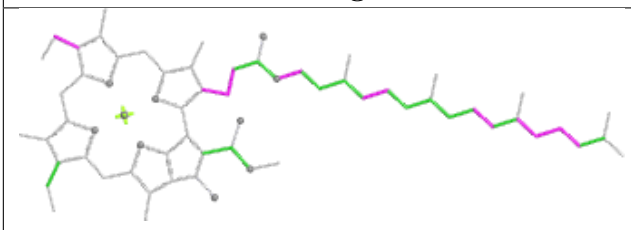
Ligand CLA A 811



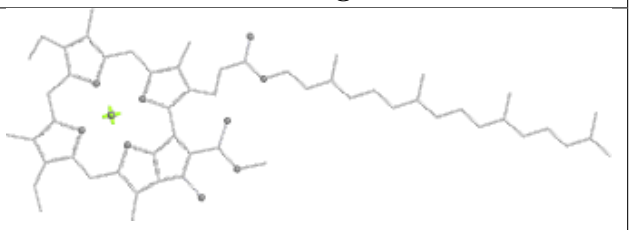
Bond lengths



Bond angles

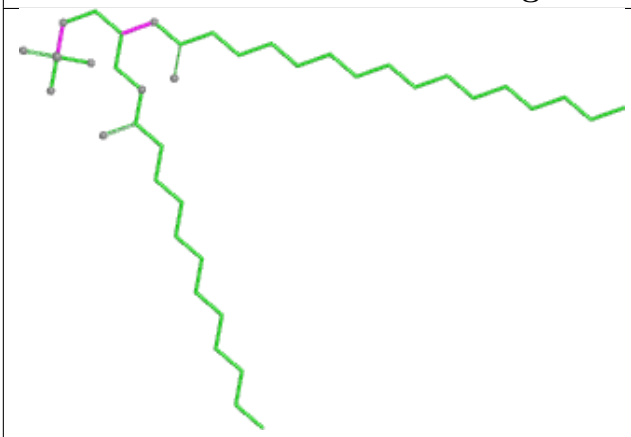


Torsions



Rings

Ligand LHG O 208



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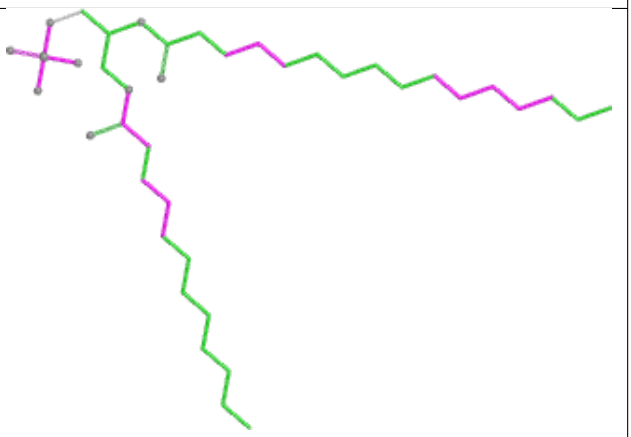
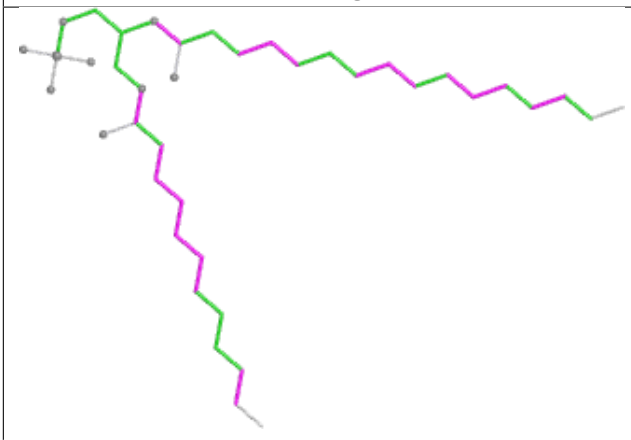


Bond angles



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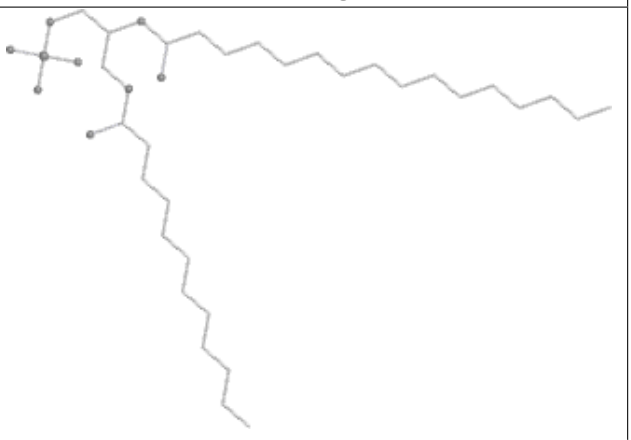
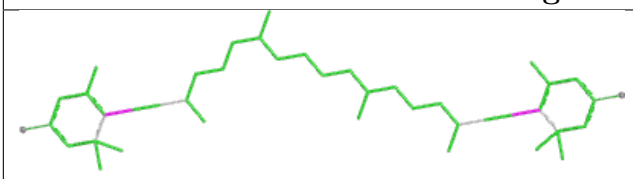


Rings

Ligand II0 6 615



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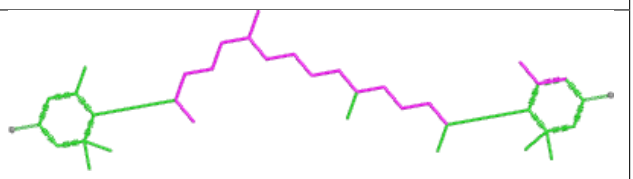
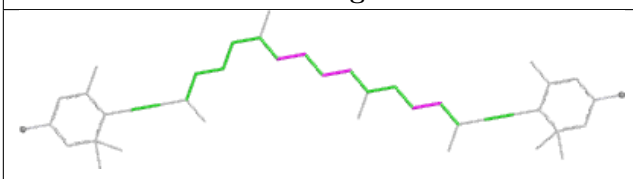


Bond angles



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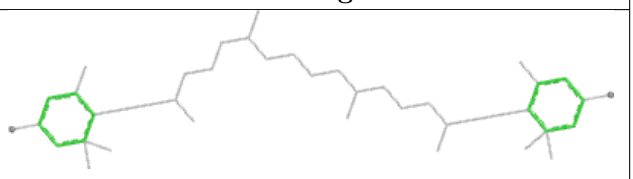
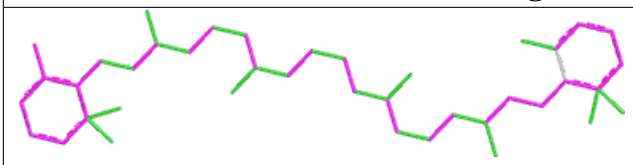
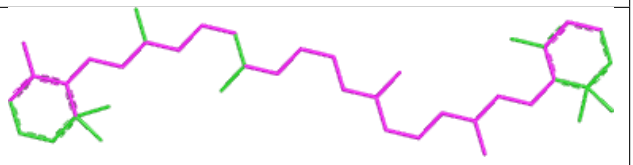


Rings

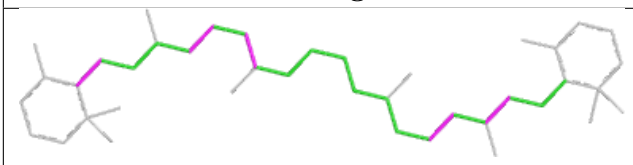
Ligand 8CT A 846



Bond lengths



Bond angles



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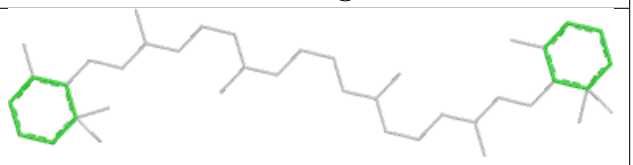
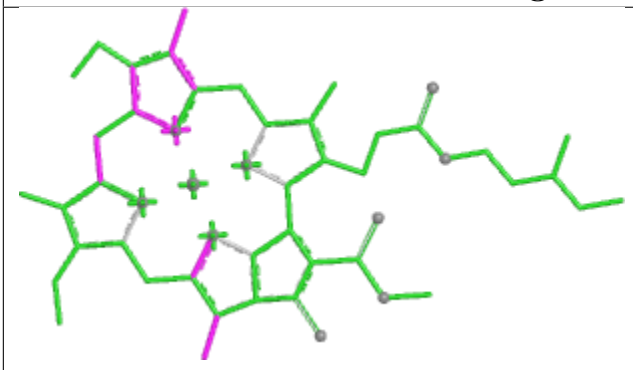


Rings

Ligand CLA e 610



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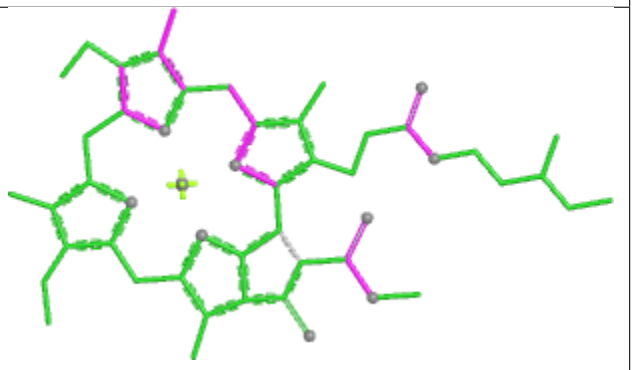
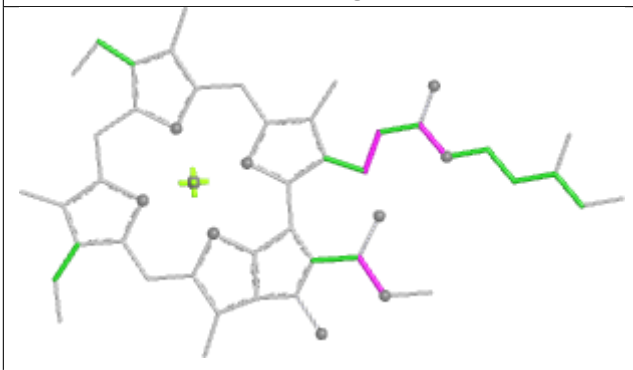
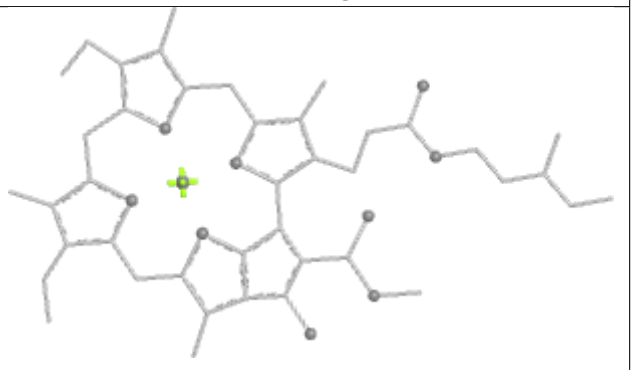


Bond angles

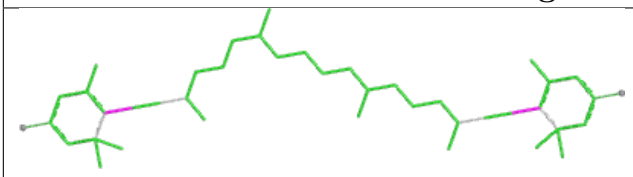


Torsions



Rings

Ligand II0 O 205



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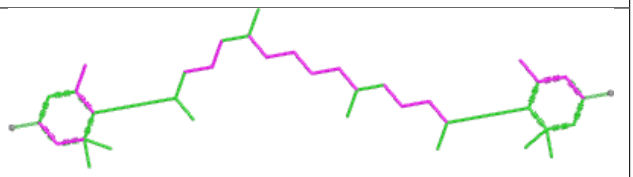
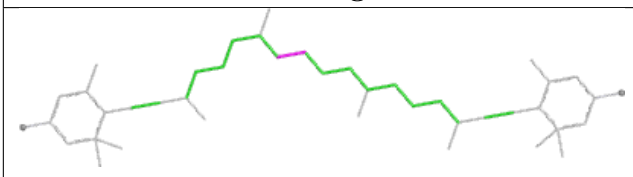
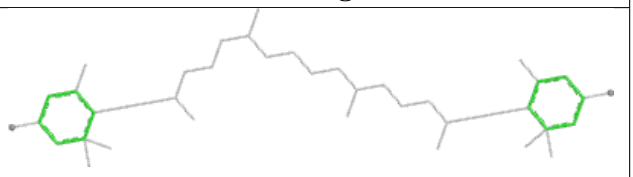


Bond angles

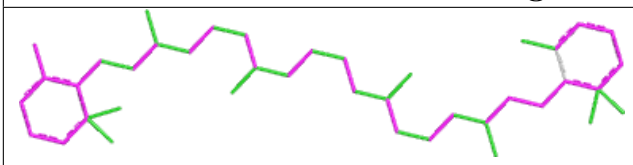


Torsions



Rings

Ligand 8CT B 847



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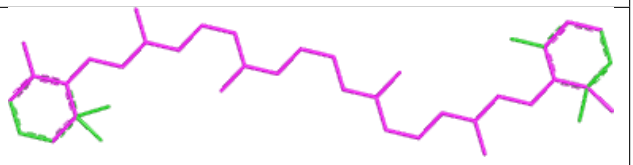
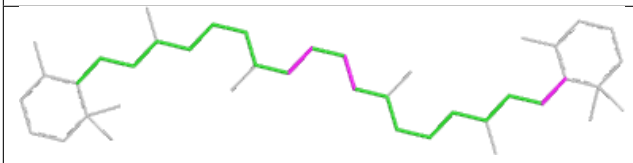
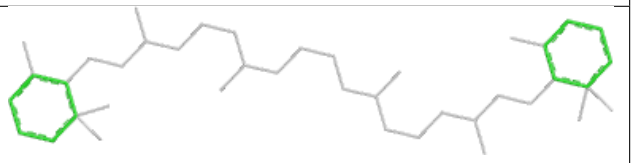


Bond angles

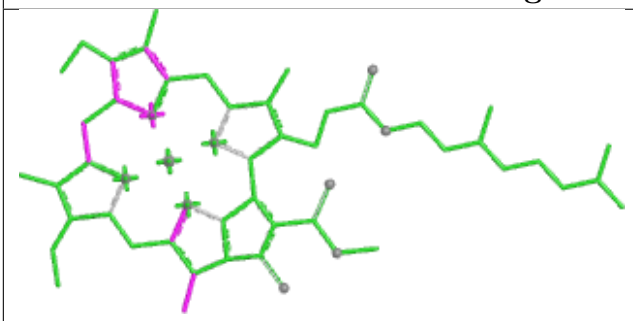


Torsions



Rings

Ligand CLA B 802



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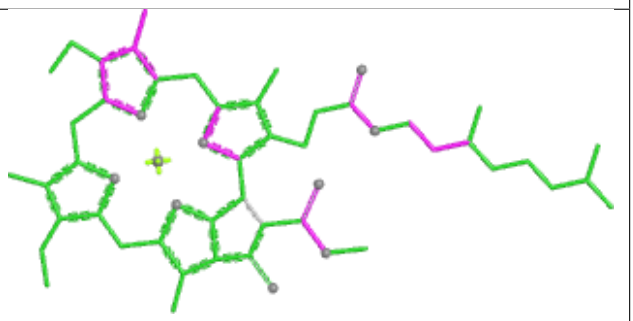
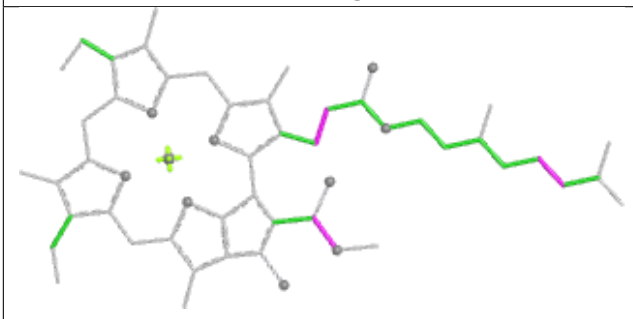
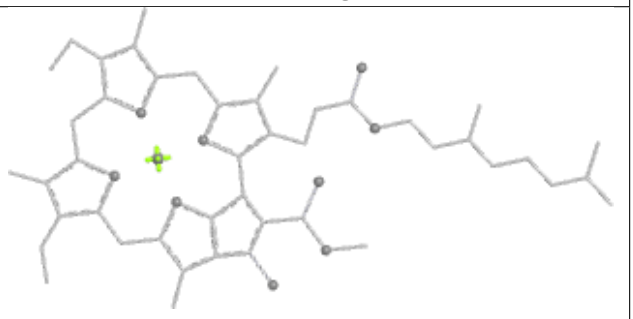


Bond angles

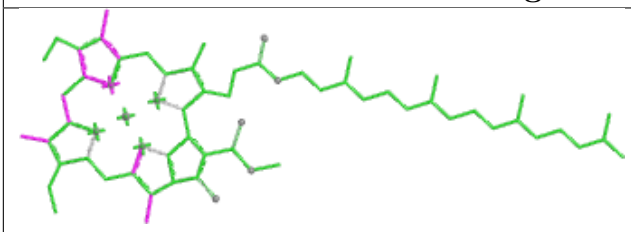


Torsions

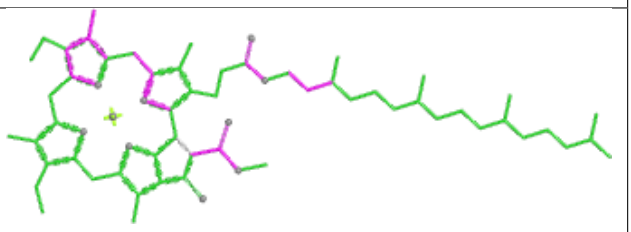


Rings

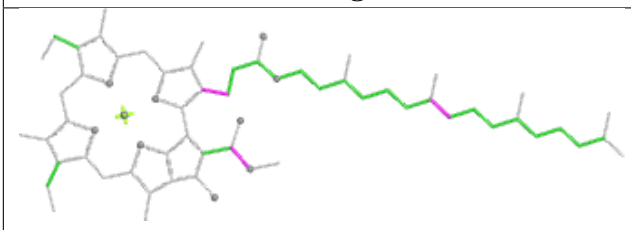
Ligand CLA B 826



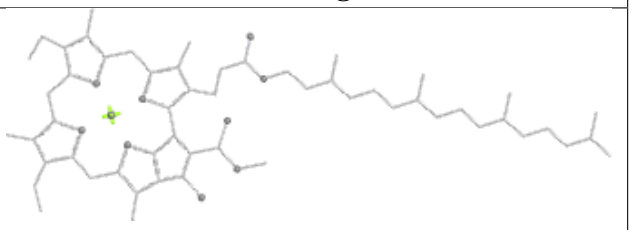
Bond lengths



Bond angles

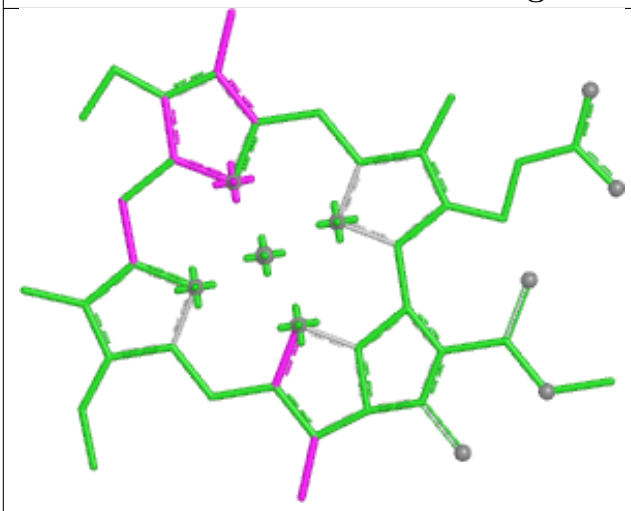


Torsions

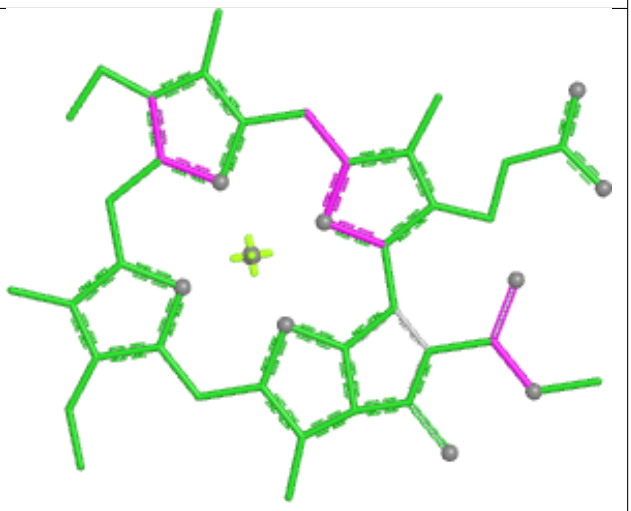


Rings

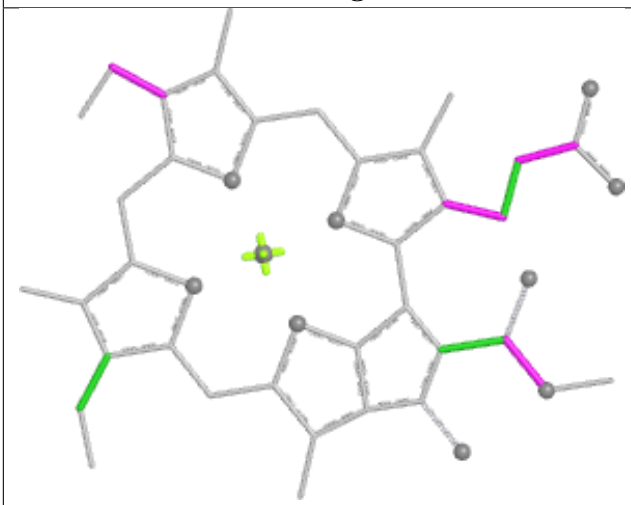
Ligand CLA d 601



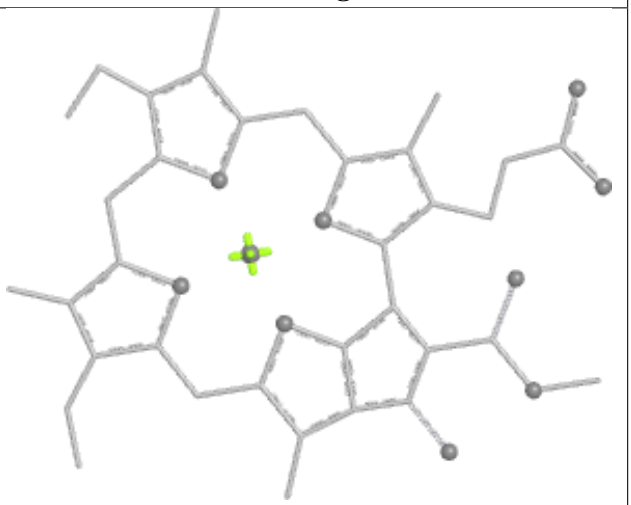
Bond lengths



Bond angles

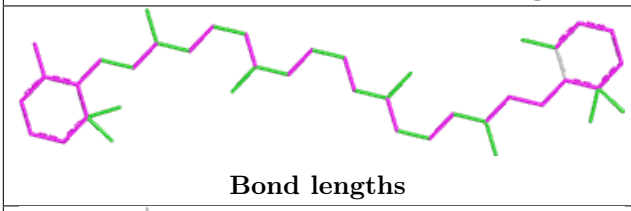


Torsions

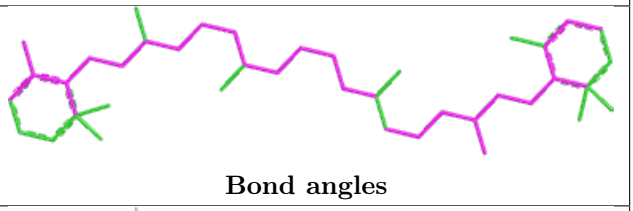


Rings

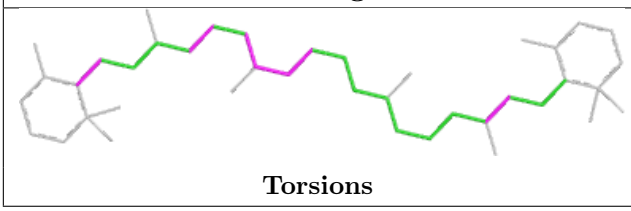
Ligand 8CT F 203



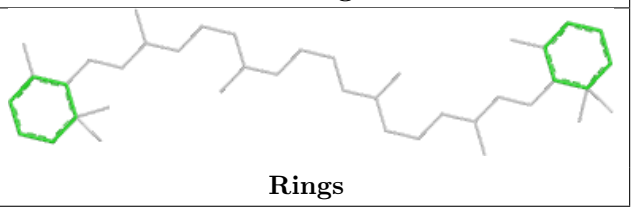
Bond lengths



Bond angles

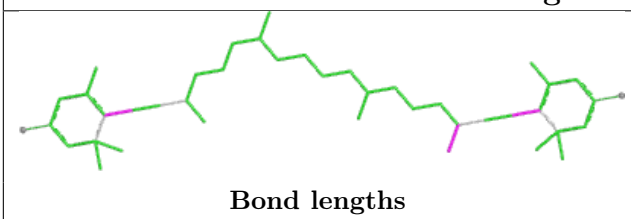


Torsions



Rings

Ligand II0 e 615



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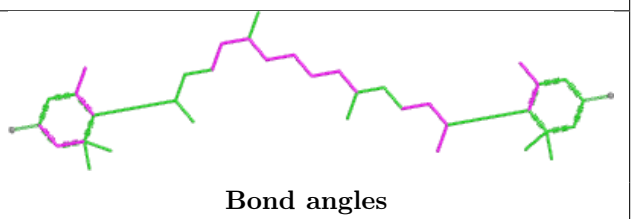
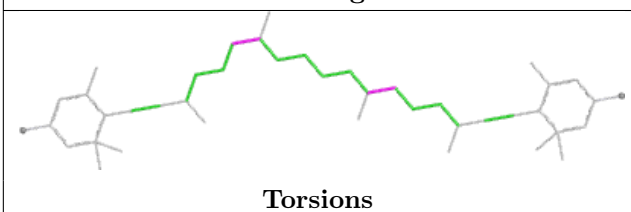
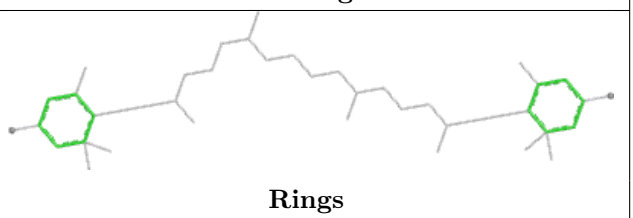


Bond angles

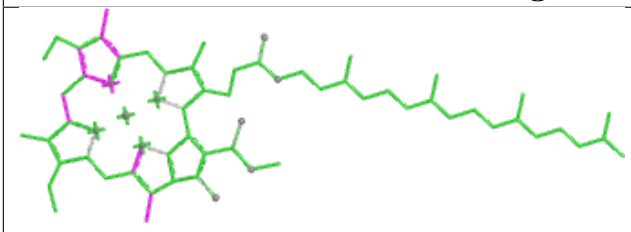


Torsions



Rings

Ligand CLA e 611



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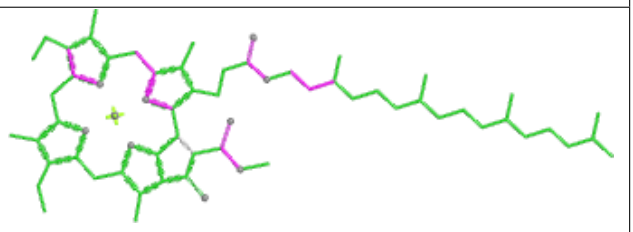
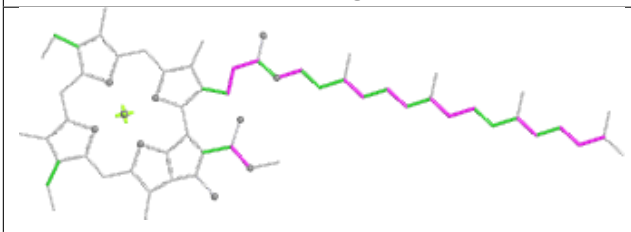


Bond angles



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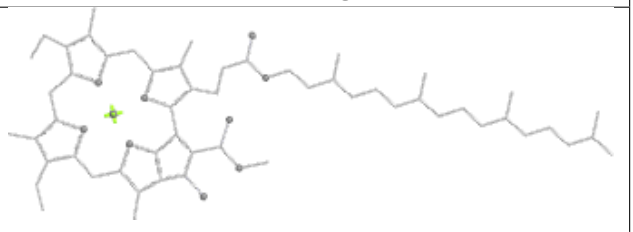
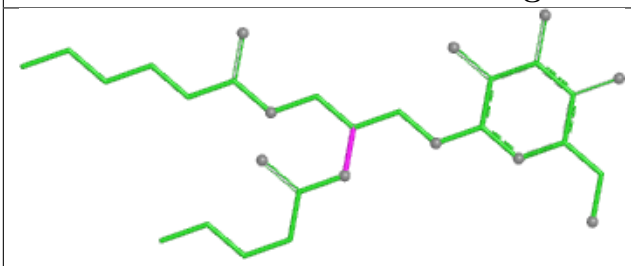


Rings

Ligand LMG 3 319



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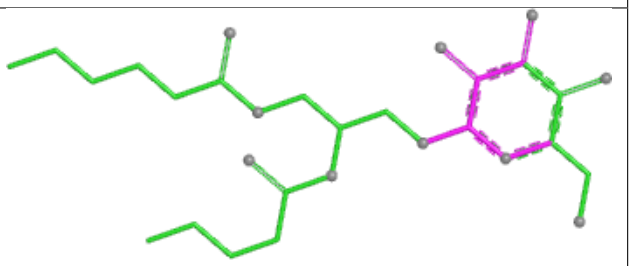
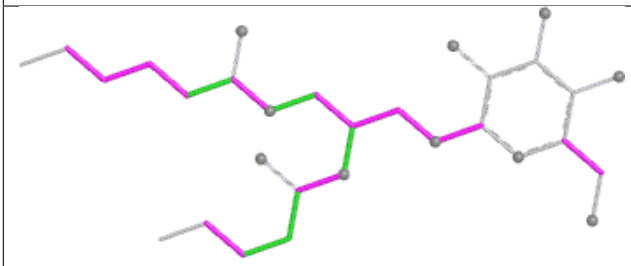


Bond angles



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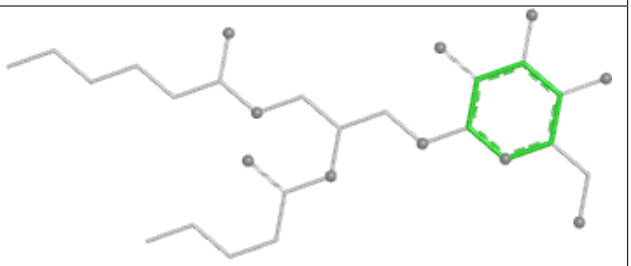
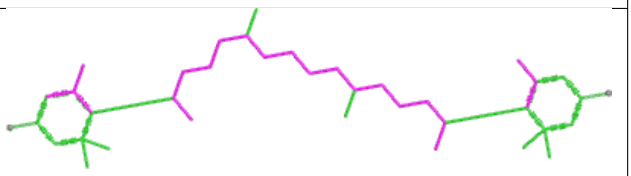


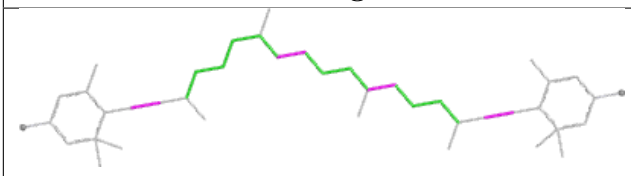
Rings

Ligand II0 8 310

Bond lengths



Bond angles



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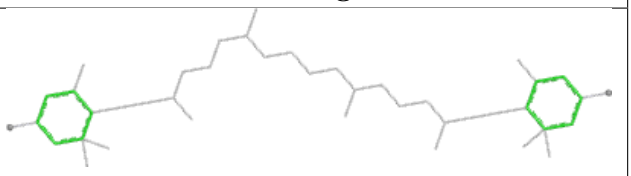
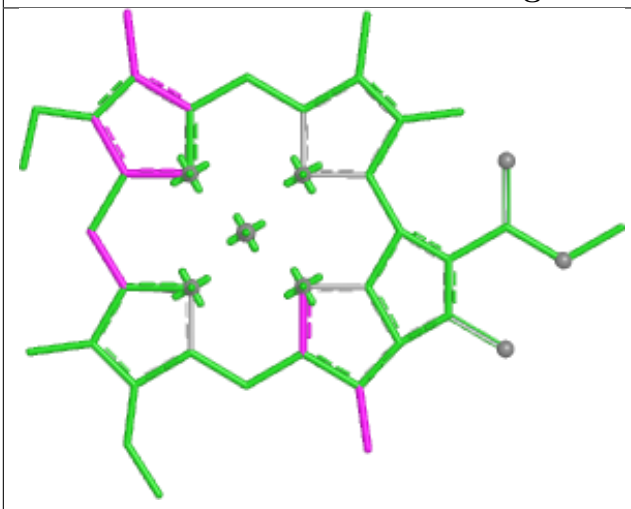


Rings

Ligand CLA O 202



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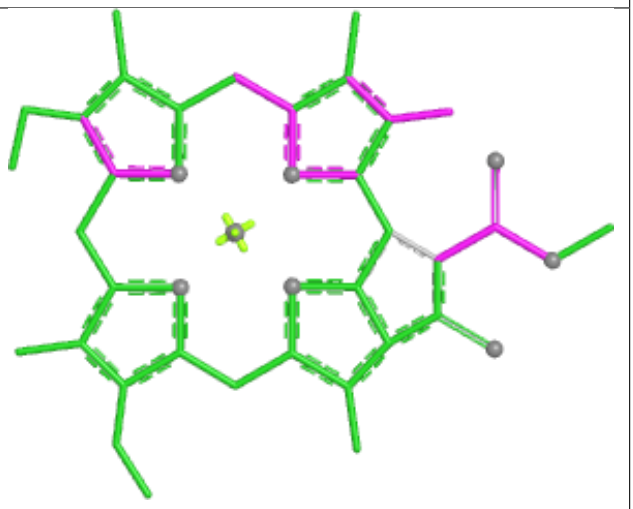
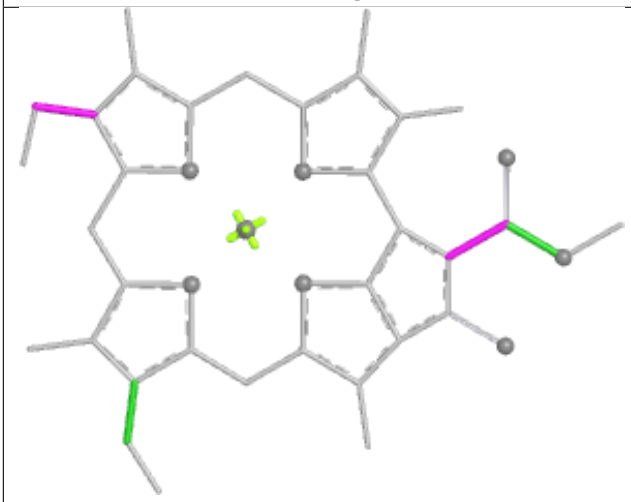
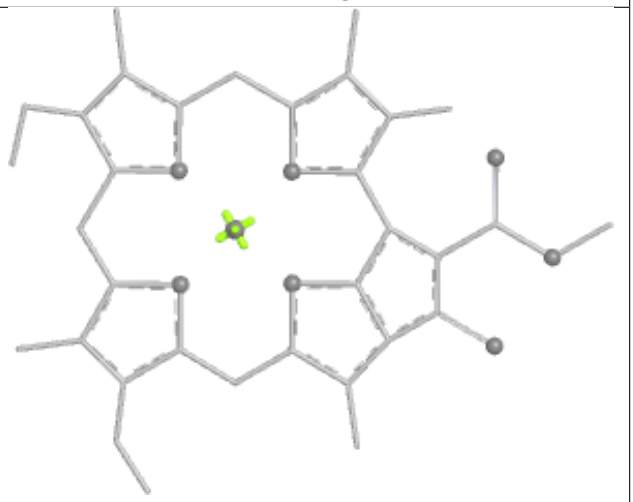


Bond angles

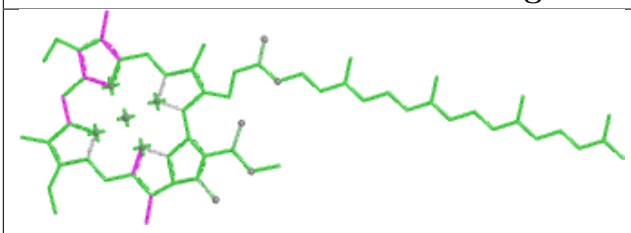


Torsions



Rings

Ligand CLA B 805



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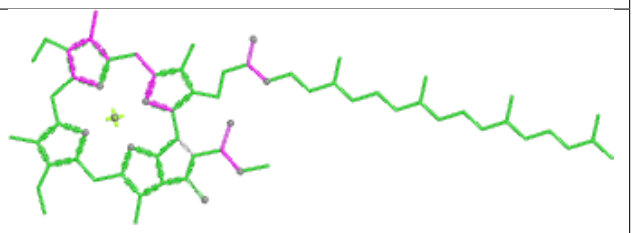
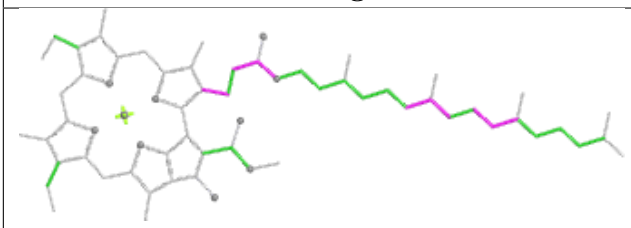


Bond angles



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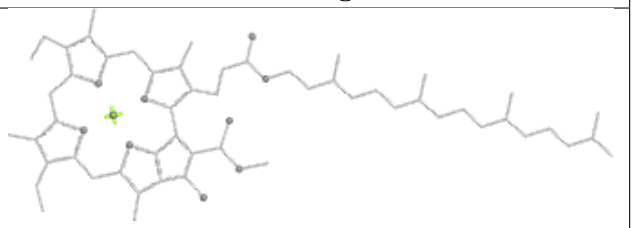
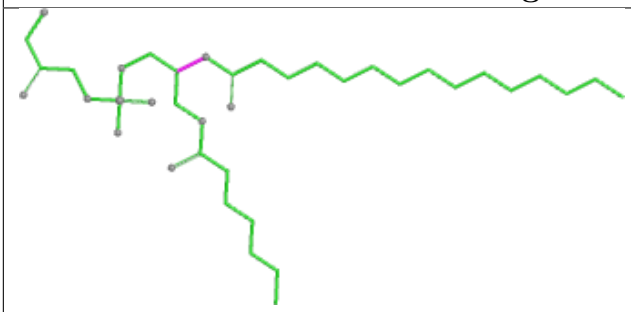


Rings

Ligand LHG A 851



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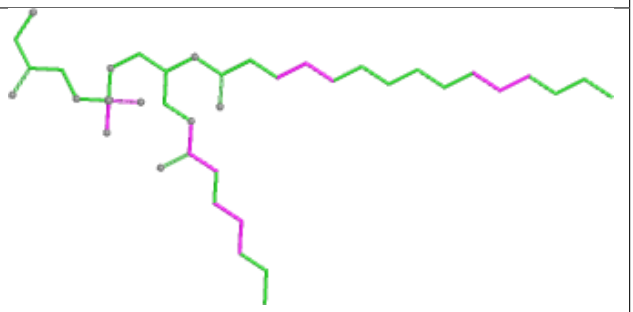
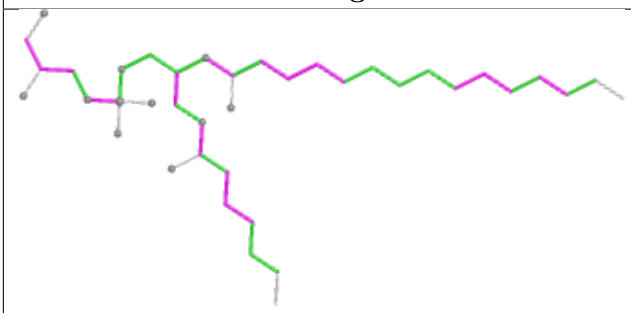


Bond angles



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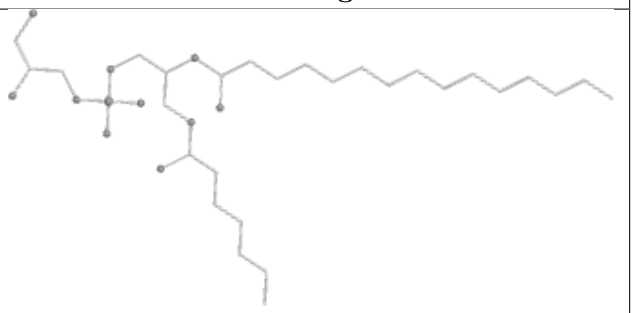
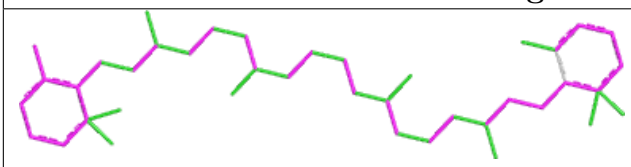


Rings

Ligand 8CT A 845



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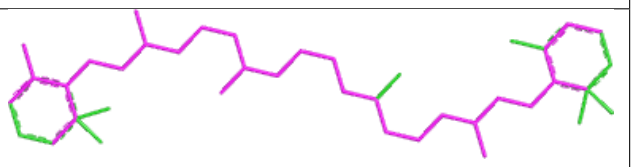
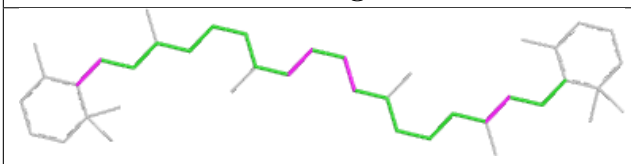


Bond angles



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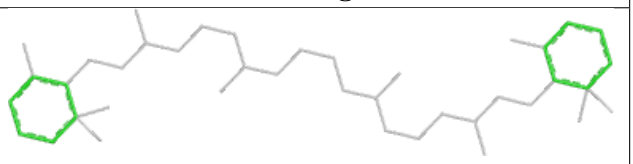
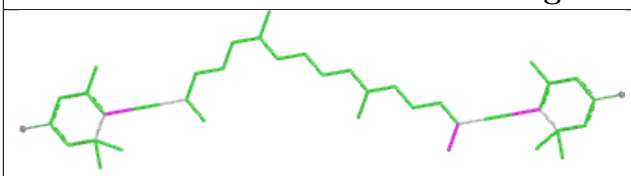


Rings

Ligand II0 c 616



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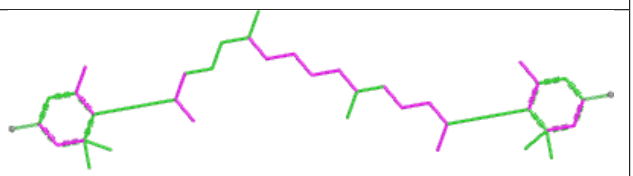

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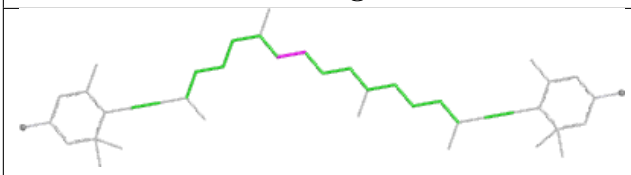

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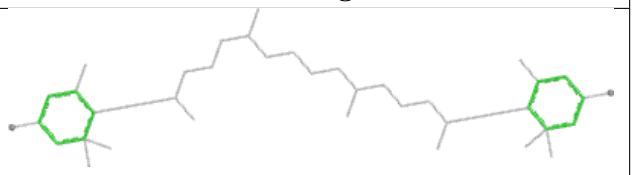
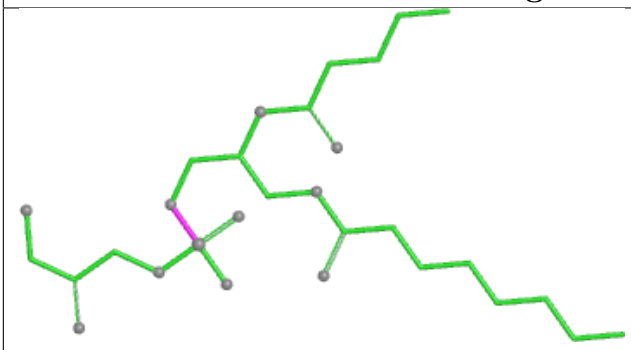


Rings

Ligand LHG b 616



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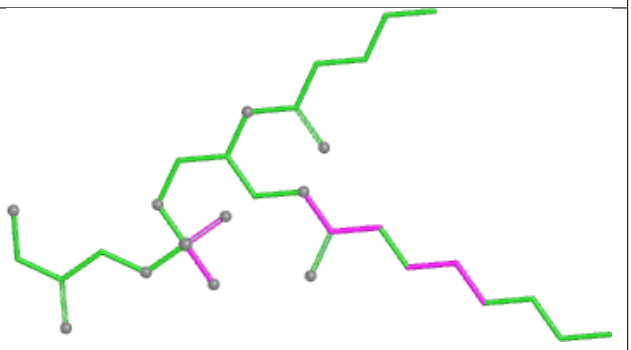
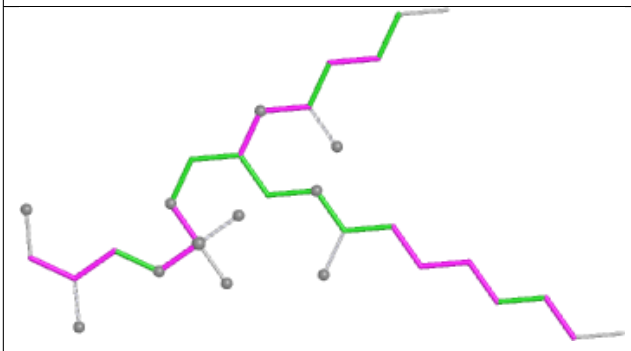


Bond angles



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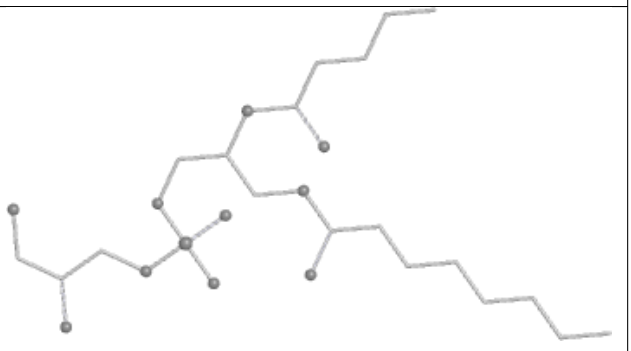
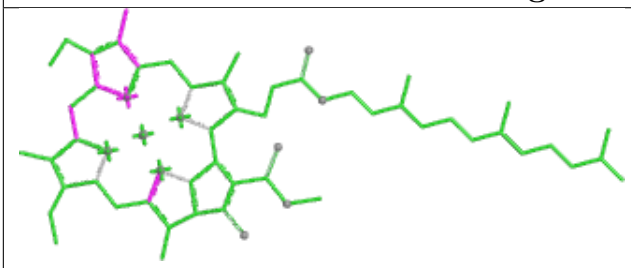


Rings

Ligand CLA 1 612



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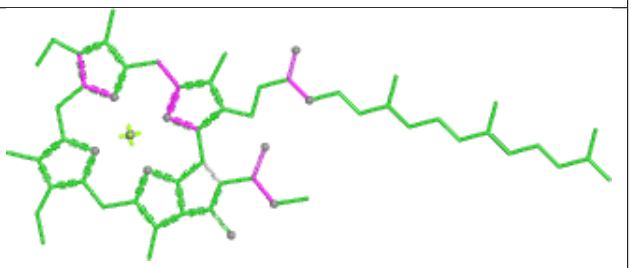
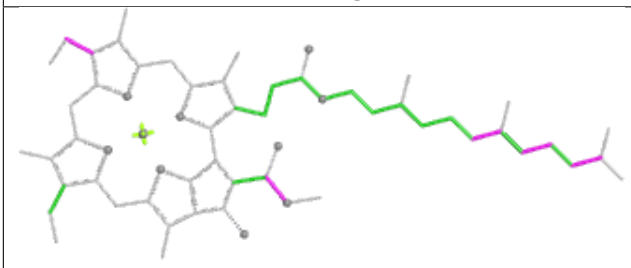
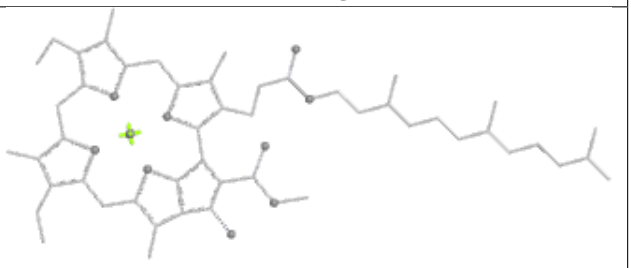


Bond angles

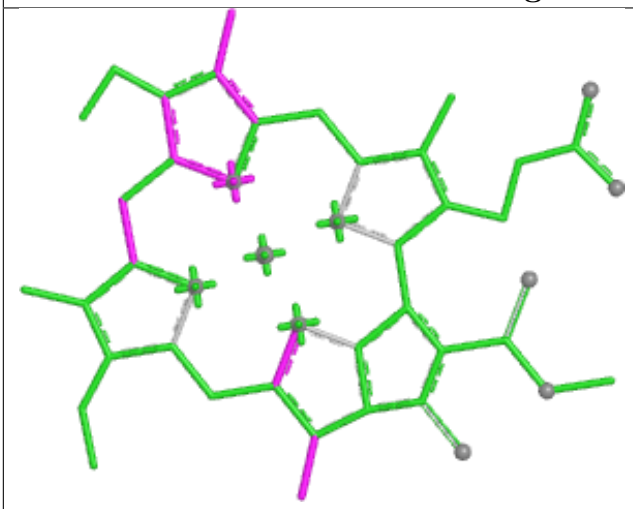


Torsions

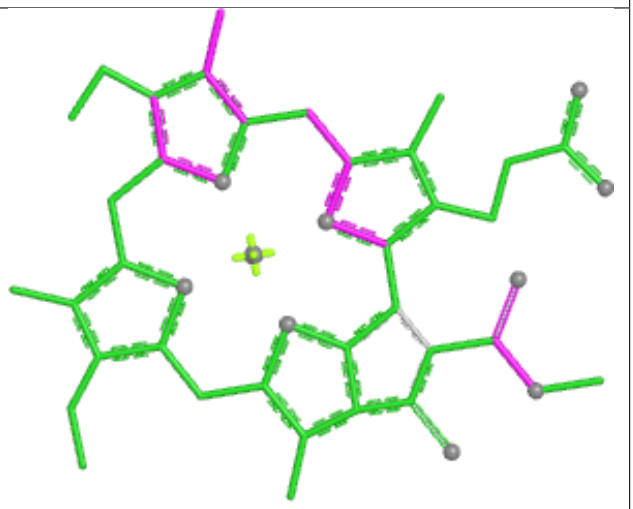


Rings

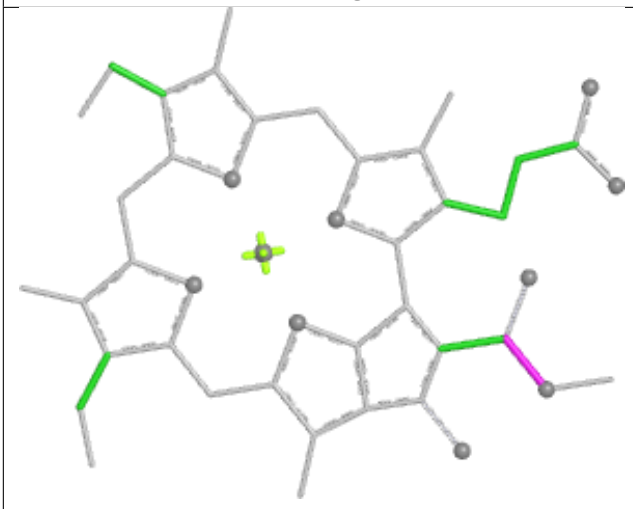
Ligand CLA B 834



Bond lengths



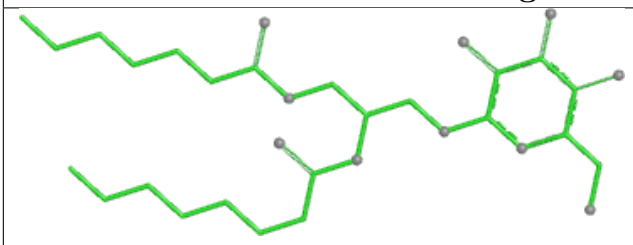
Bond angles



Torsions

Rings

Ligand LMG X 302



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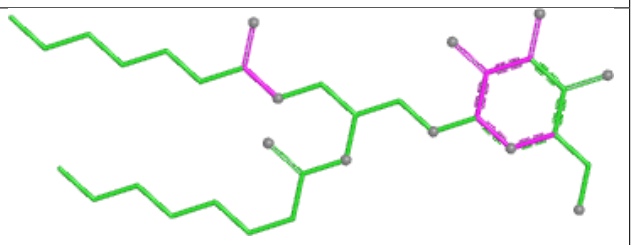
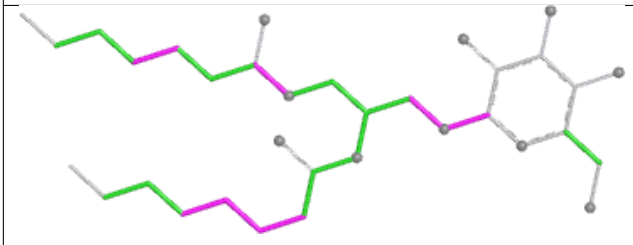
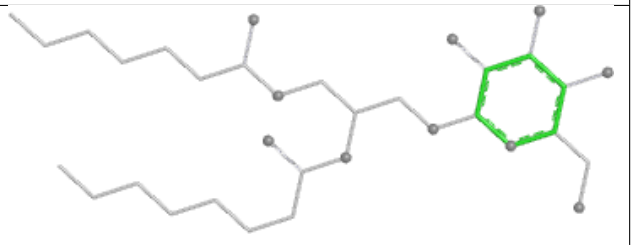


Bond angles

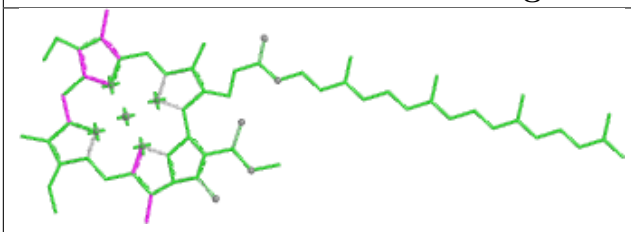


Torsions



Rings

Ligand CLA A 833



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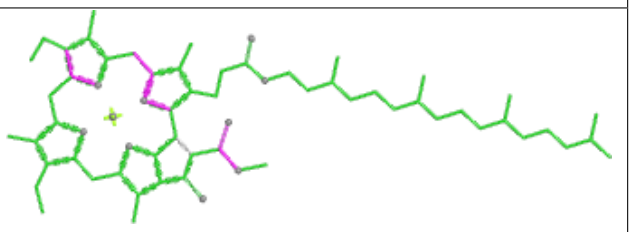
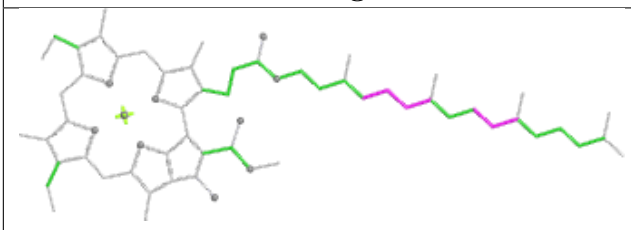
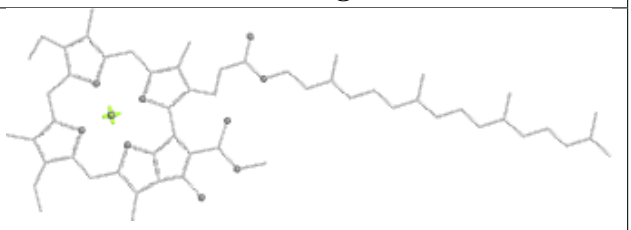


Bond angles

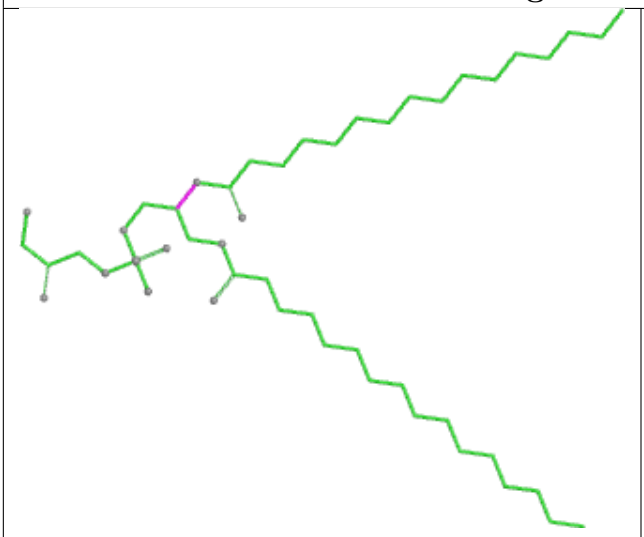


Torsions

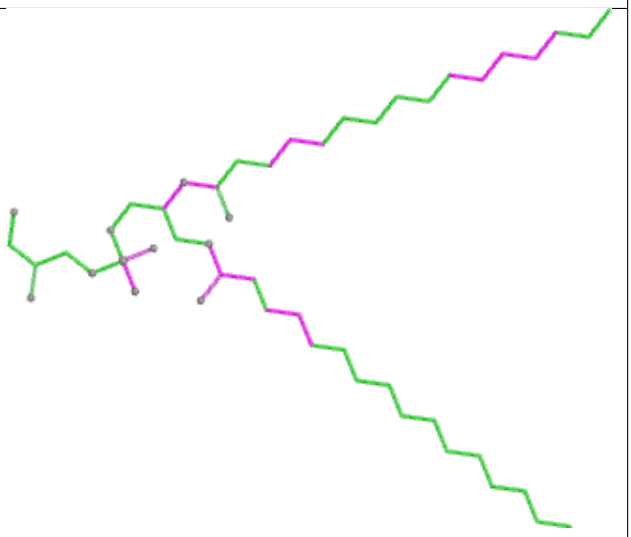


Rings

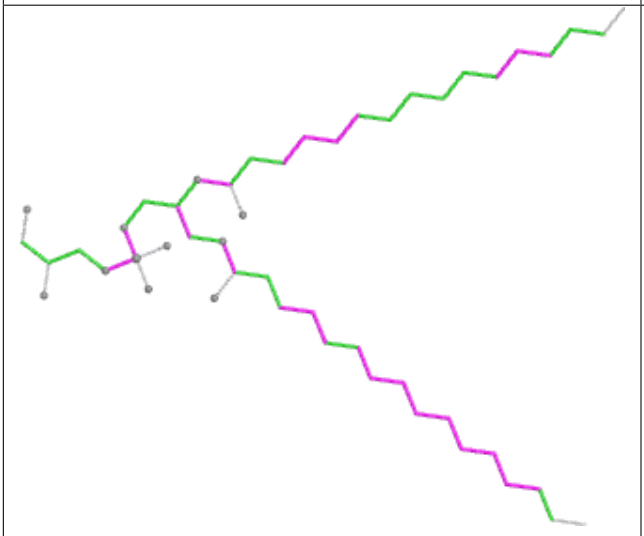
Ligand LHG 4 617



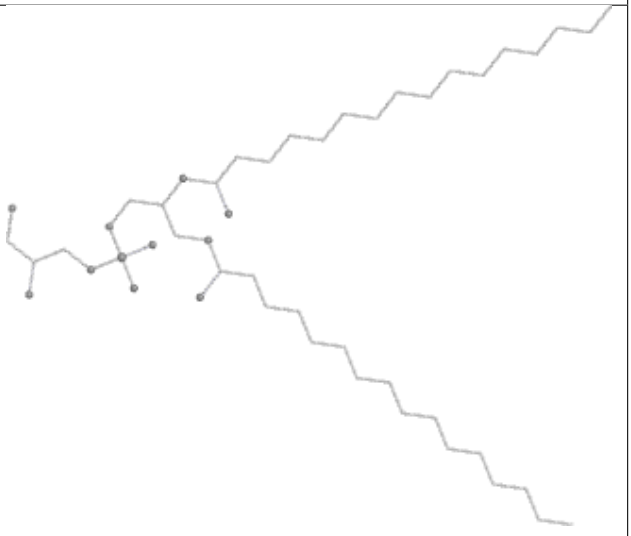
Bond lengths



Bond angles

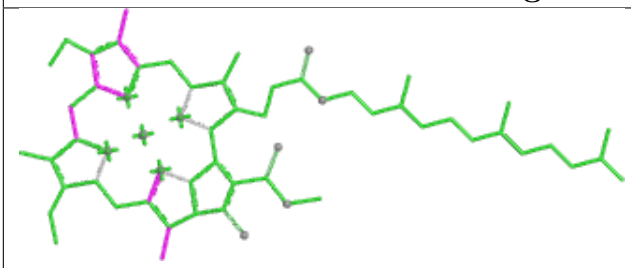


Torsions



Rings

Ligand CLA A 855



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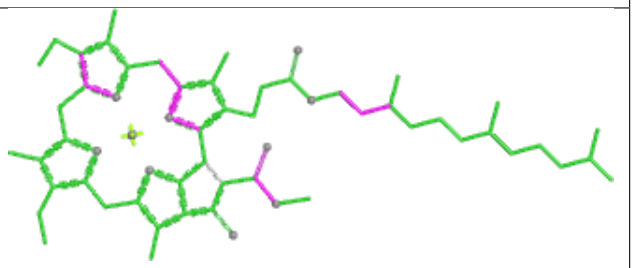
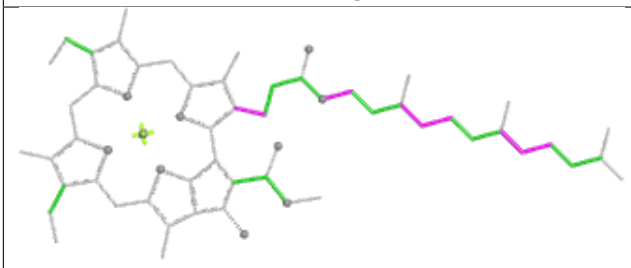


Bond angles



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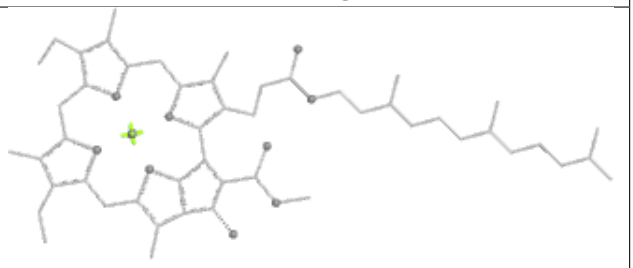
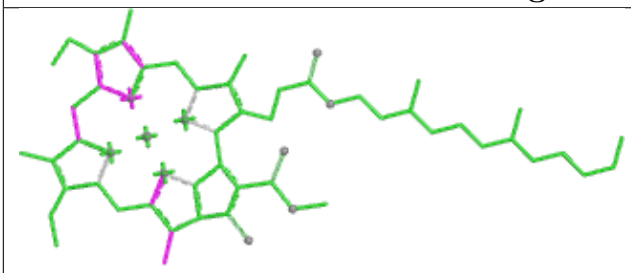


Rings

Ligand CLA 4 602



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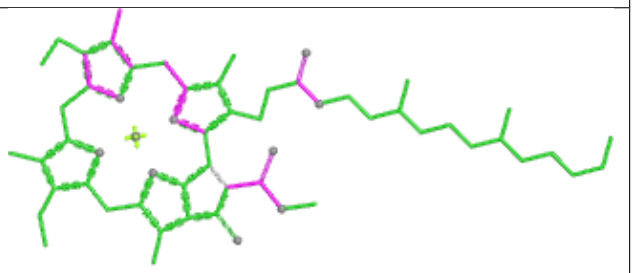
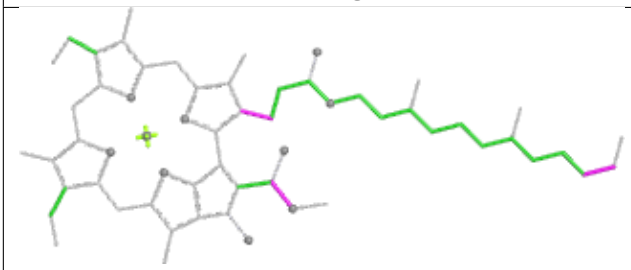


Bond angles



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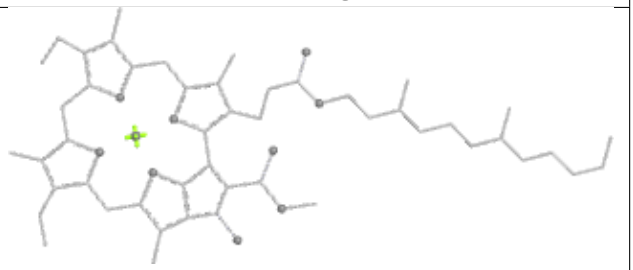
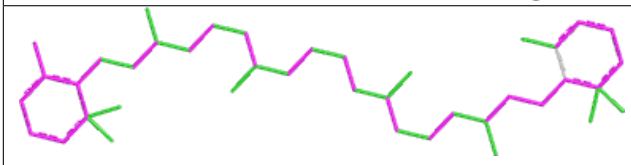


Rings

Ligand 8CT B 852



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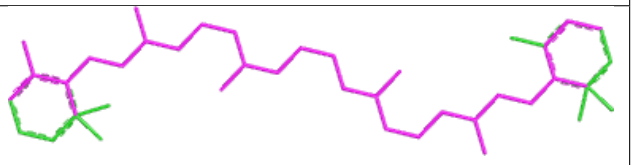
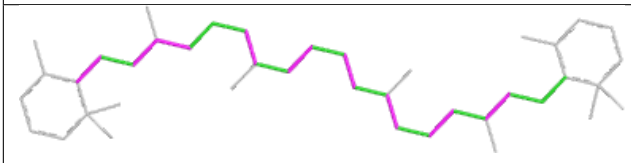


Bond angles



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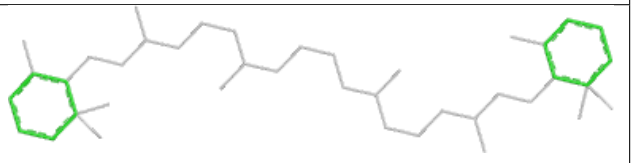
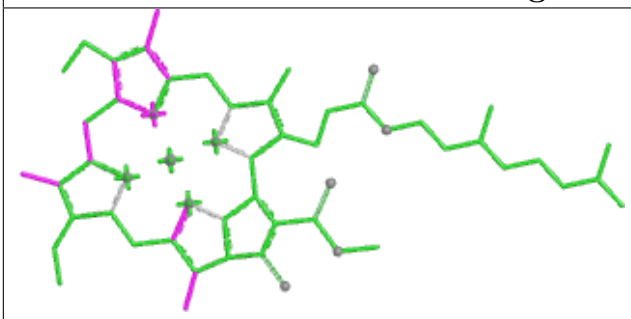


Rings

Ligand CLA 5 602



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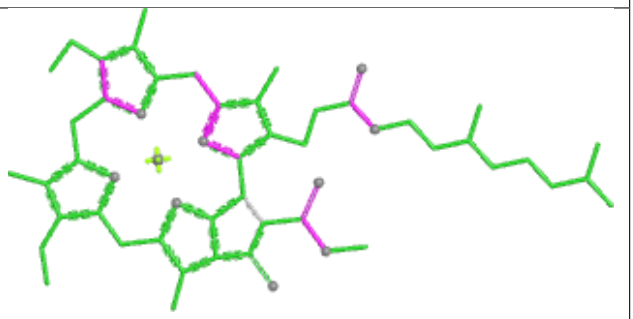
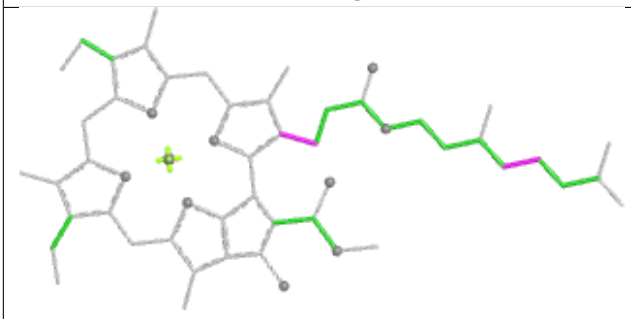


Bond angles



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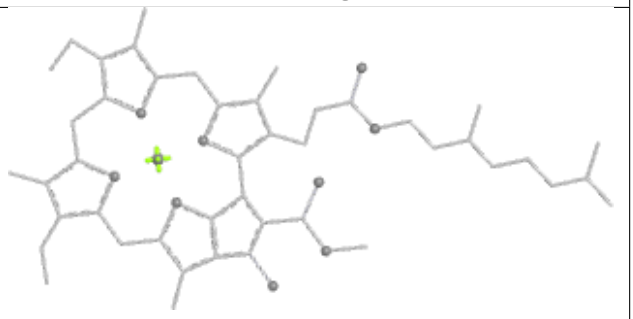
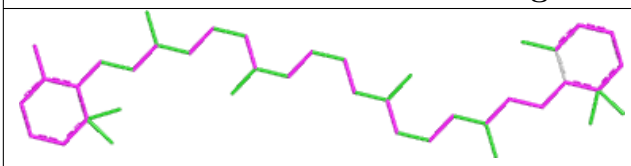
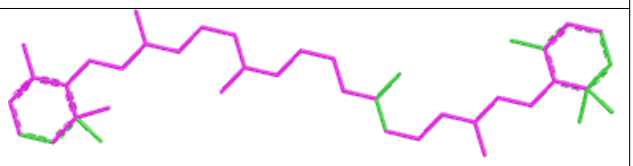


Rings

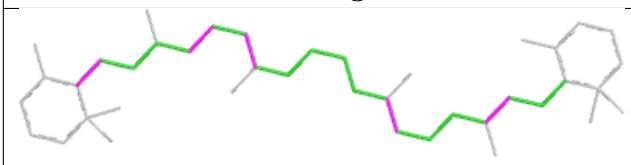
Ligand 8CT J 104



Bond lengths



Bond angles



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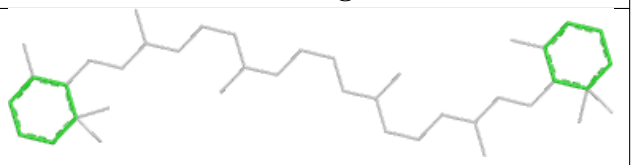
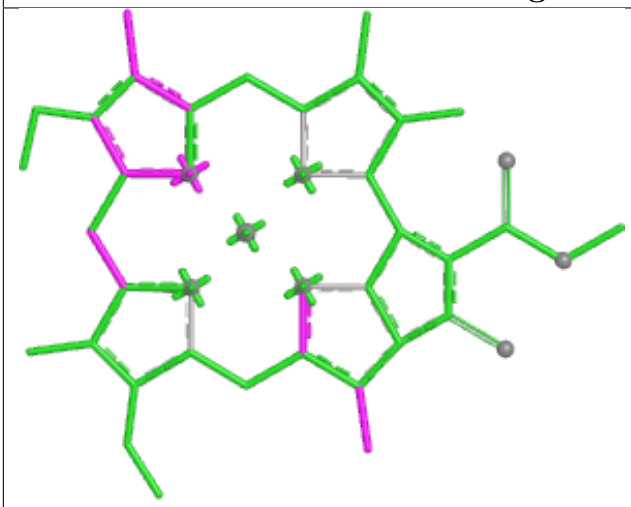


Rings

Ligand CLA 2 609



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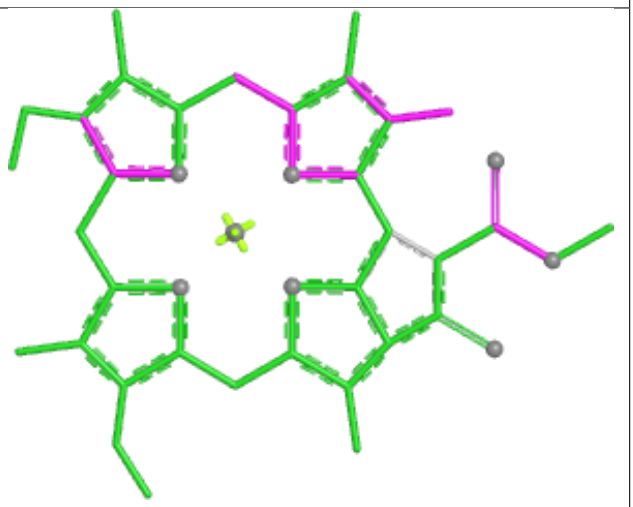
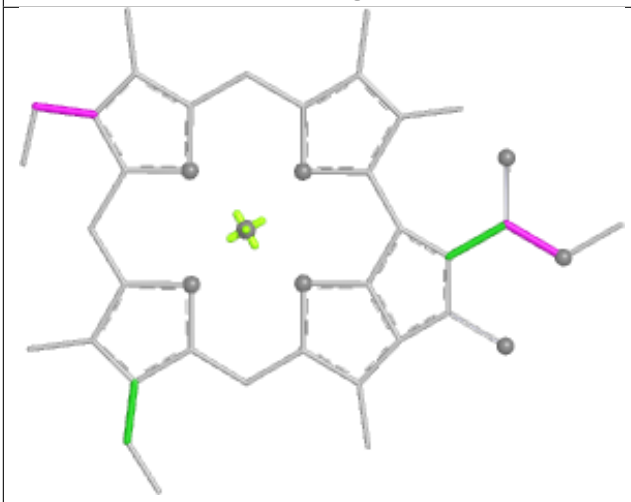


Bond angles



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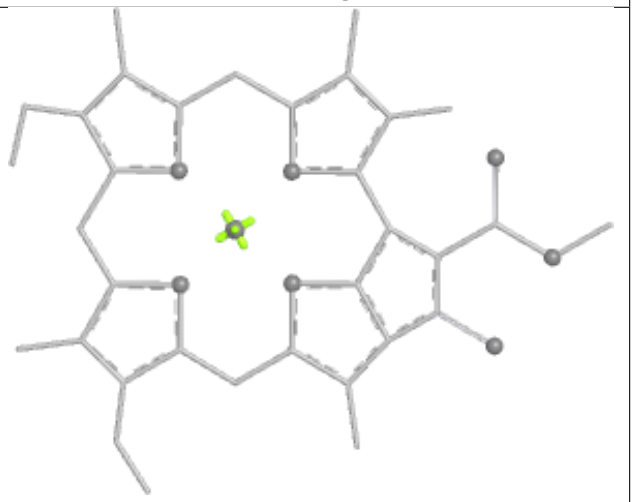
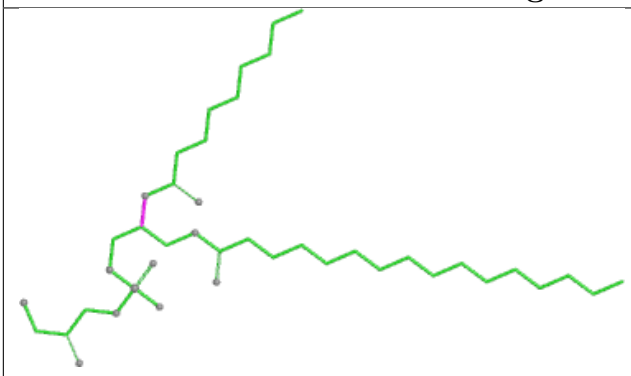


Rings

Ligand LHG 3 301



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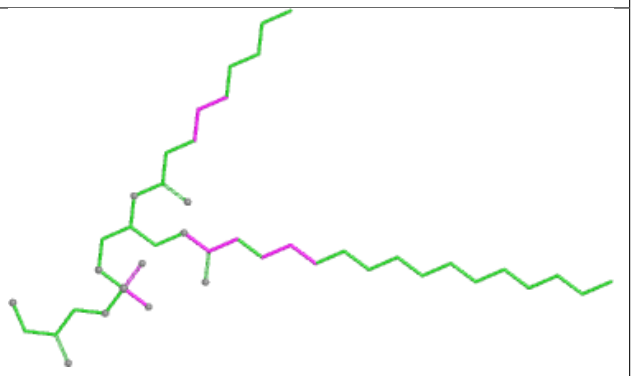
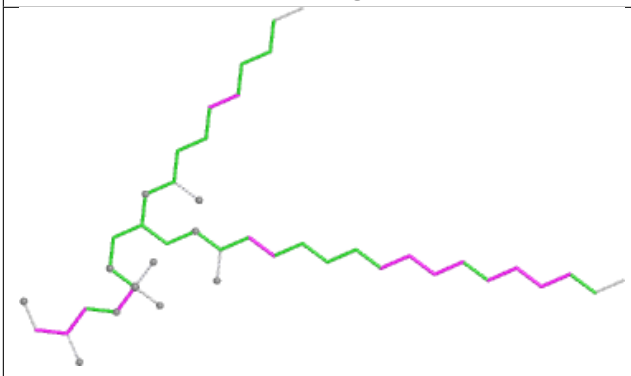


Bond angles



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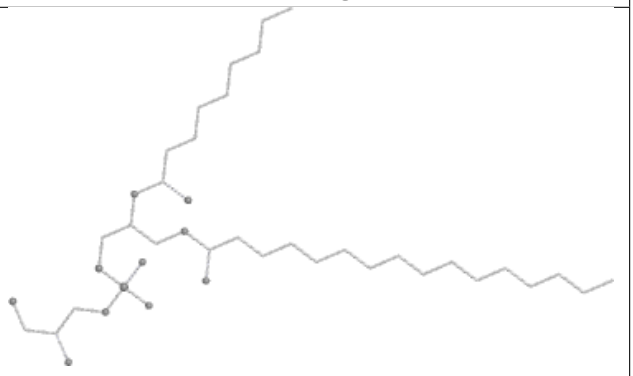
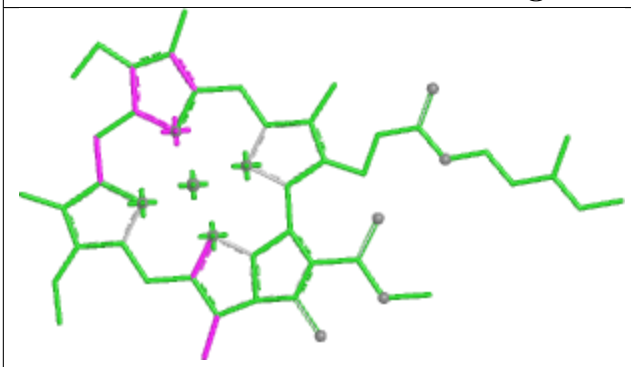


Rings

Ligand CLA b 610



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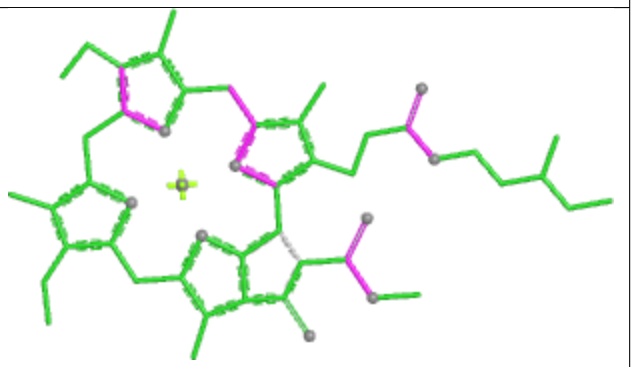
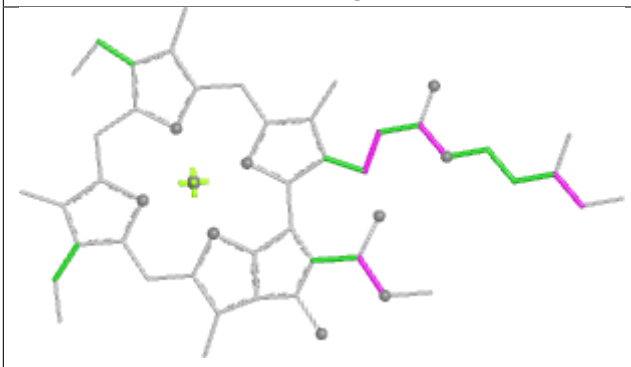


Bond angles



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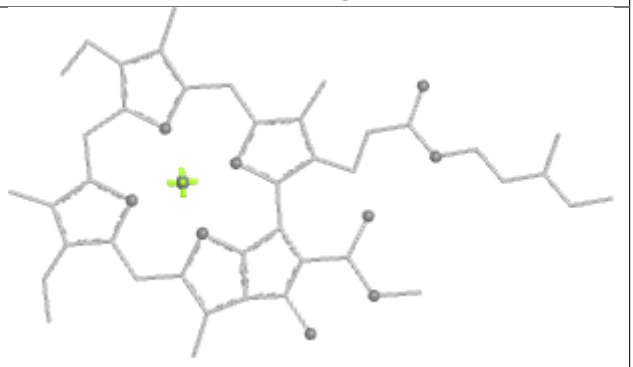
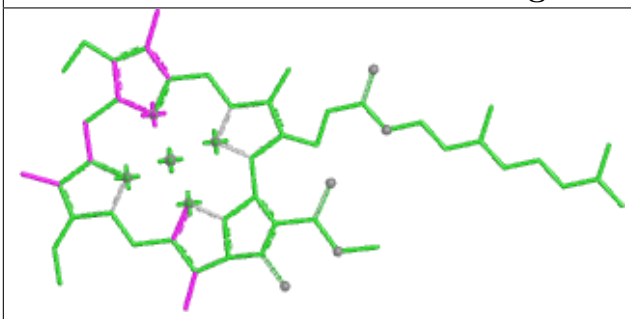
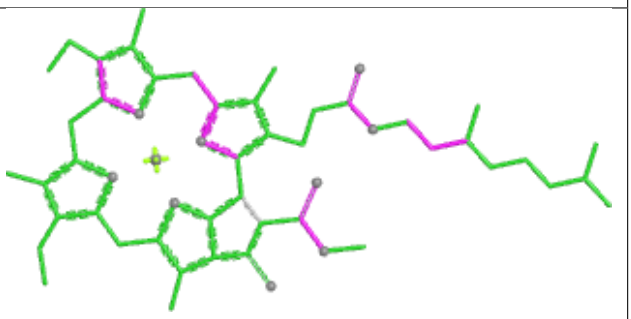
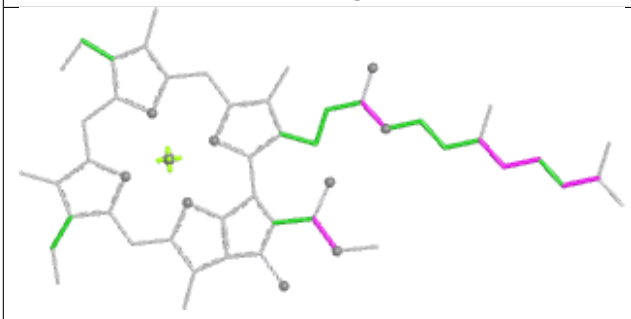
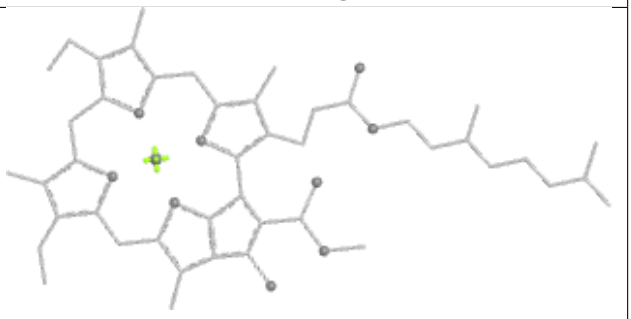
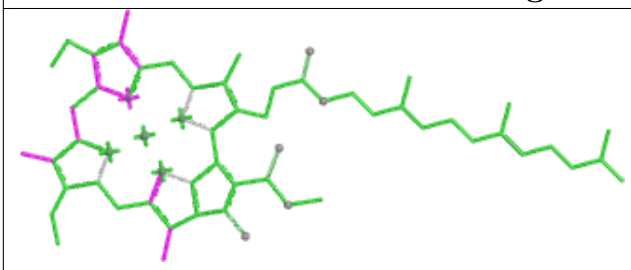
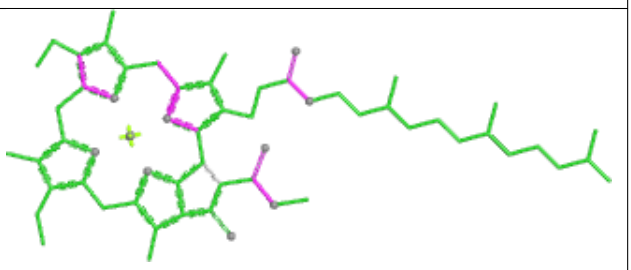
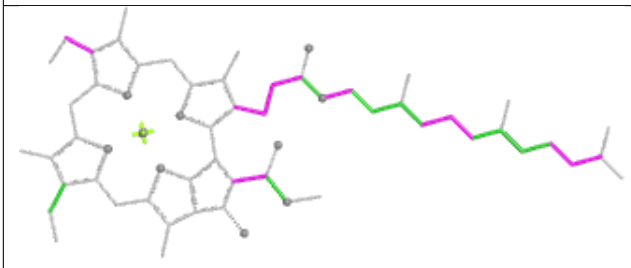
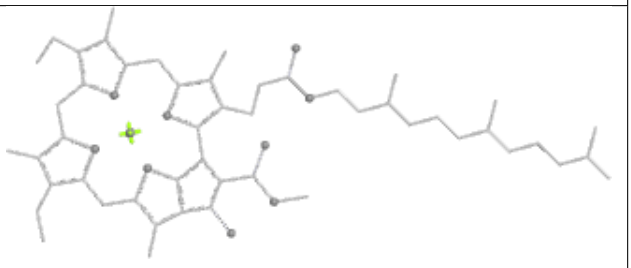
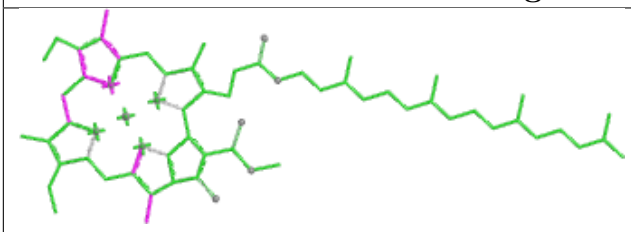


Rings

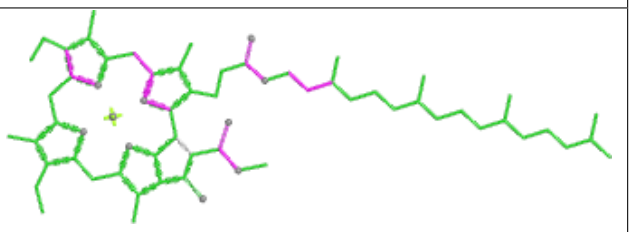
Ligand CLA a 611	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA Z 305	
	
Bond lengths	Bond angles
	
Torsions	Rings

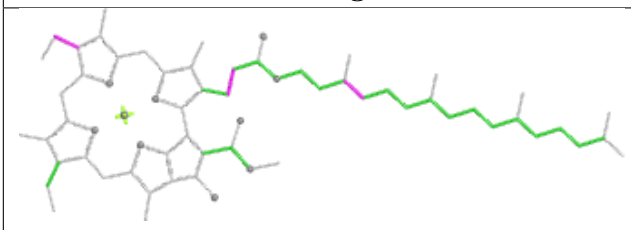
Ligand CLA B 838



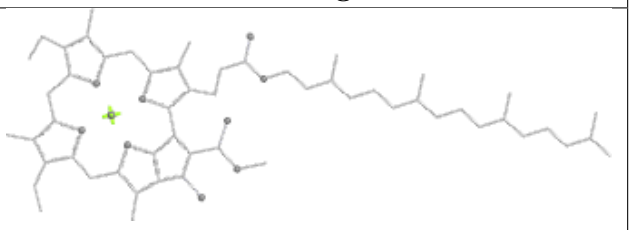
Bond lengths



Bond angles

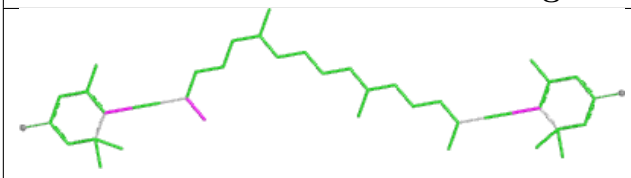


Torsions



Rings

Ligand II0 9 316



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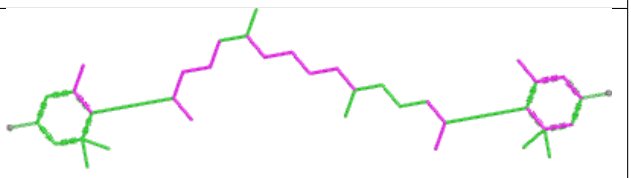
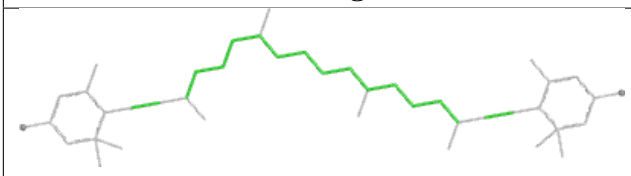
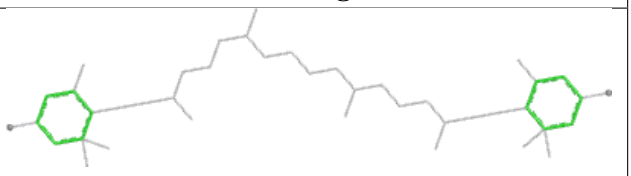


Bond angles

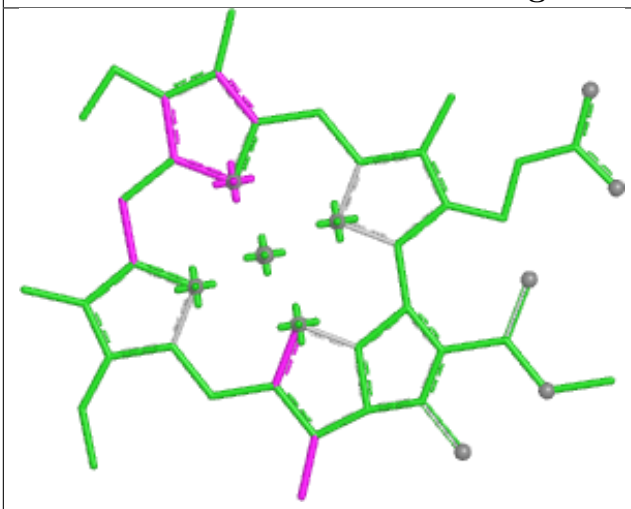


Torsions

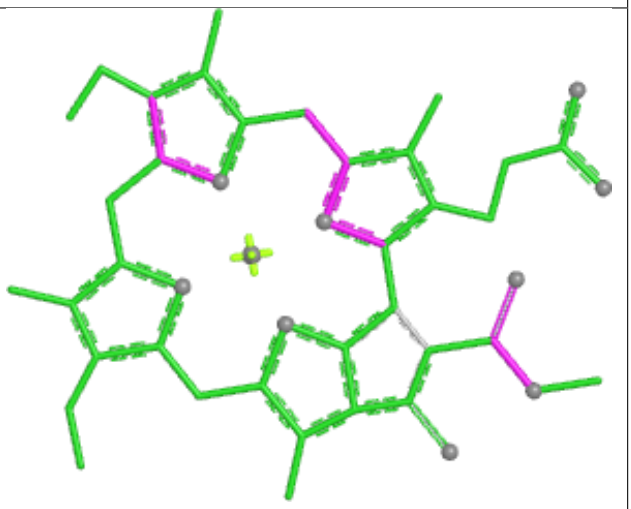


Rings

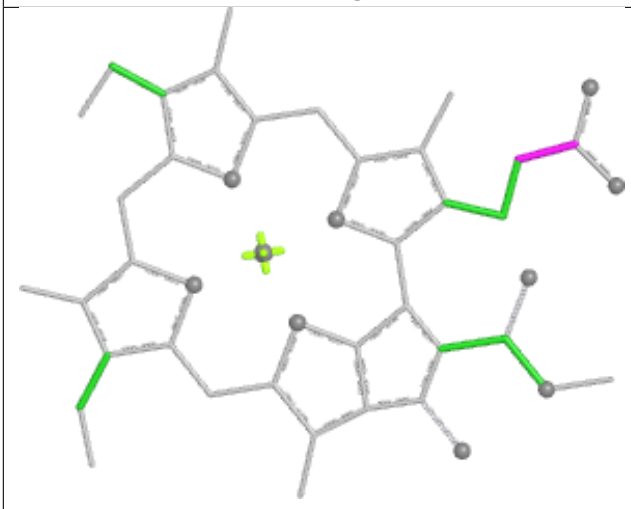
Ligand CLA 5 603



Bond lengths



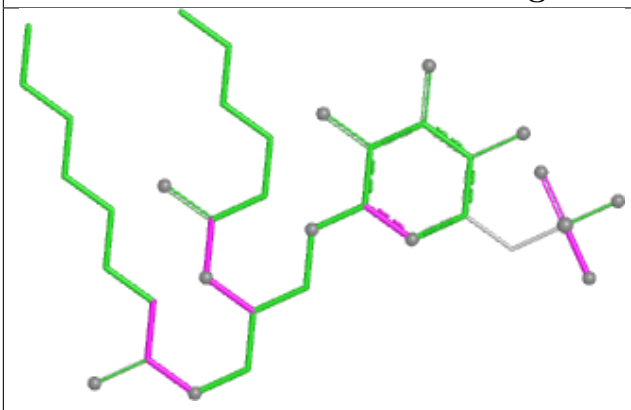
Bond angles



Torsions

Rings

Ligand SQD 3 320



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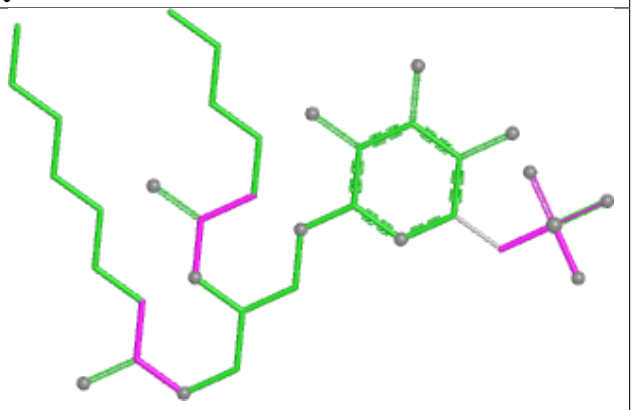

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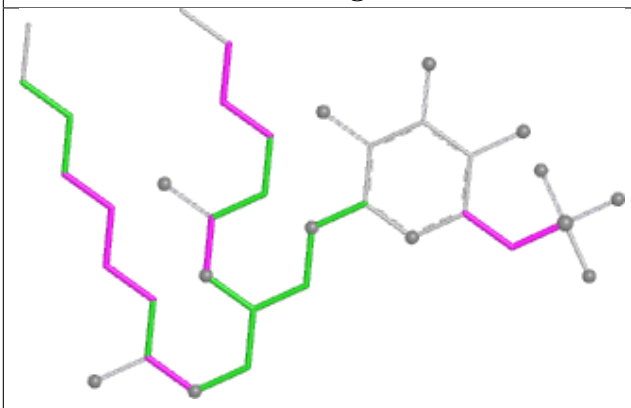
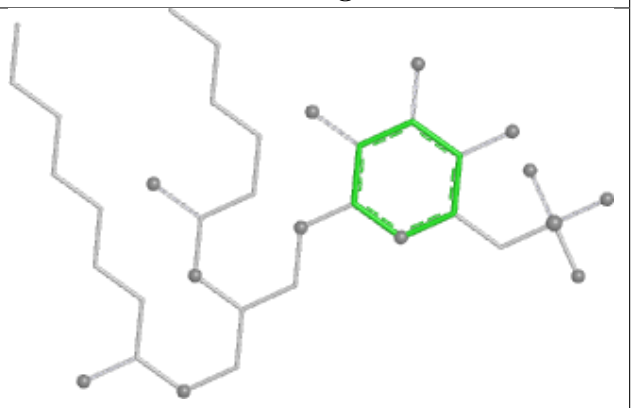
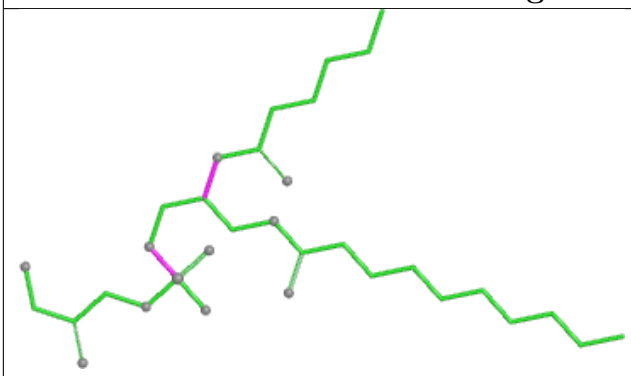


Torsions



Rings

Ligand LHG 8 315



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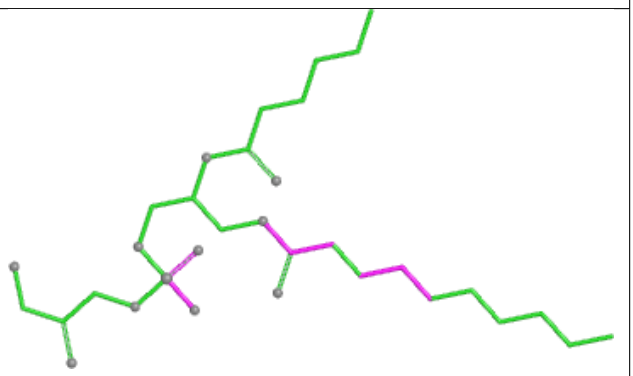
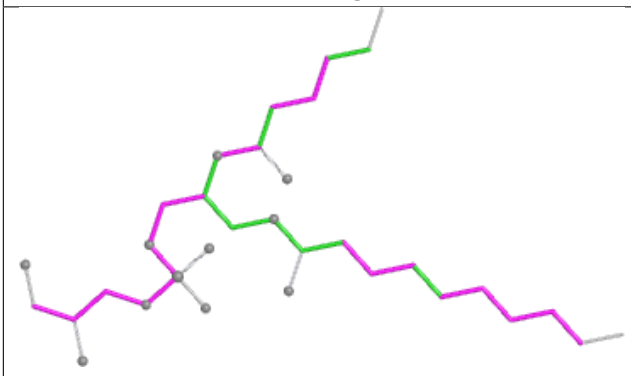


Bond angles



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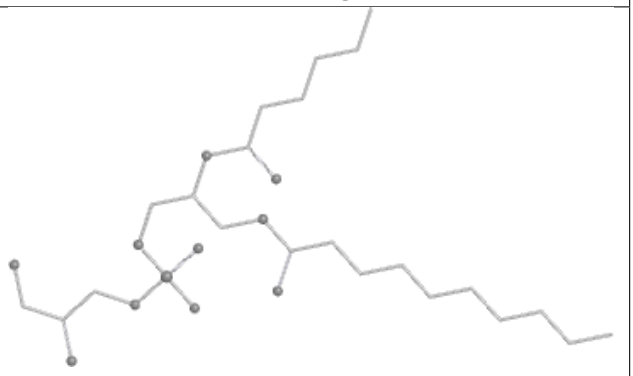
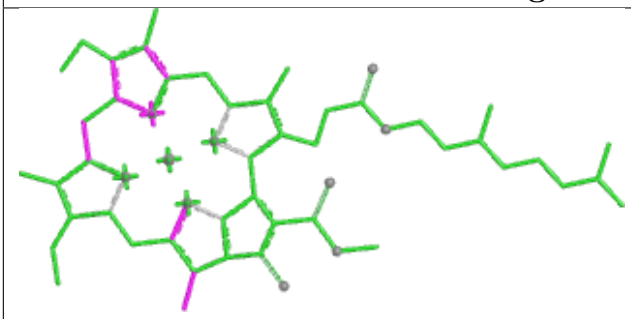


Rings

Ligand CLA 7 311



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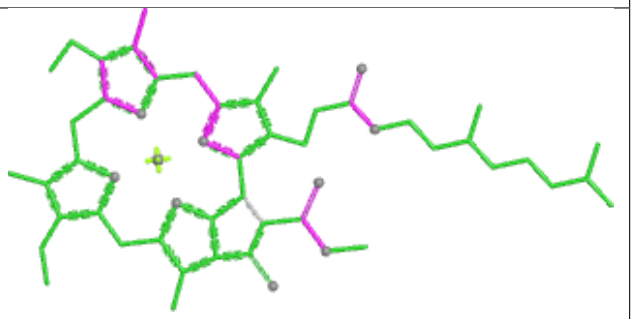
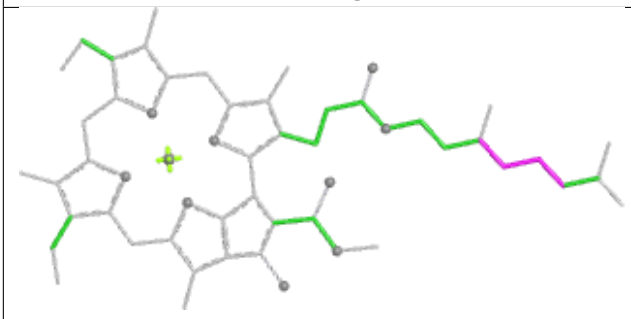


Bond angles



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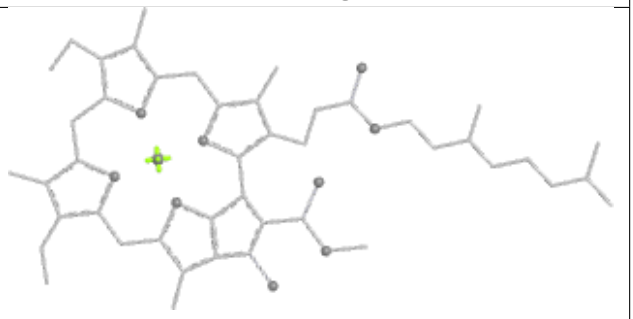
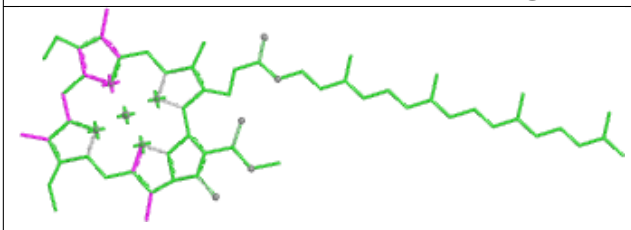


Rings

Ligand CLA A 822



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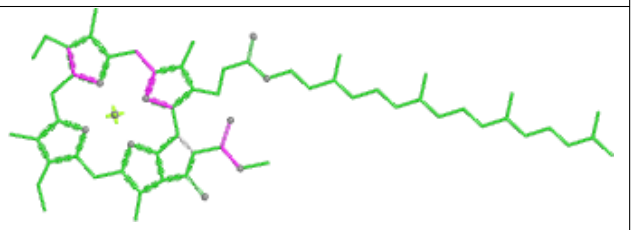
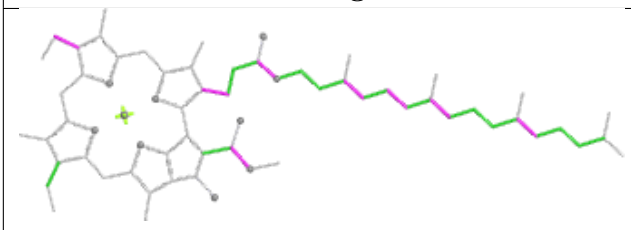


Bond angles



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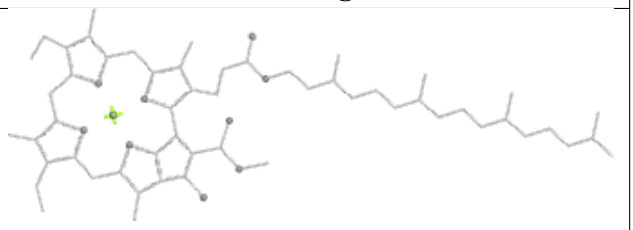
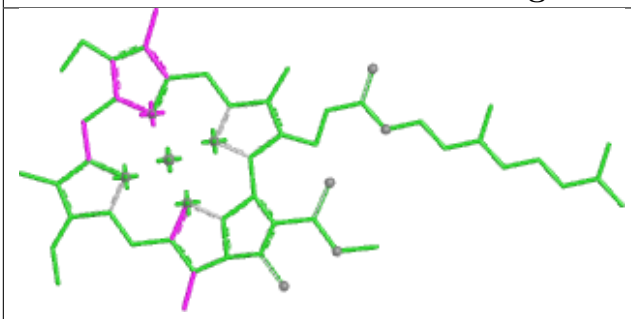


Rings

Ligand CLA 4 604



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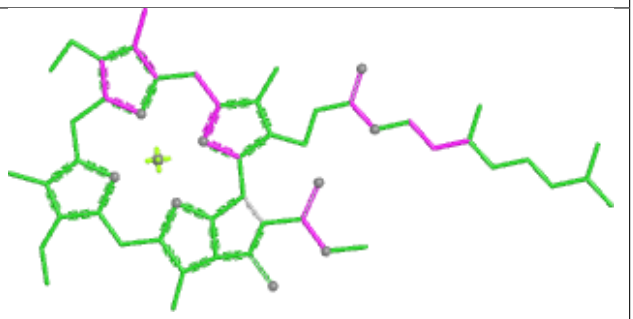
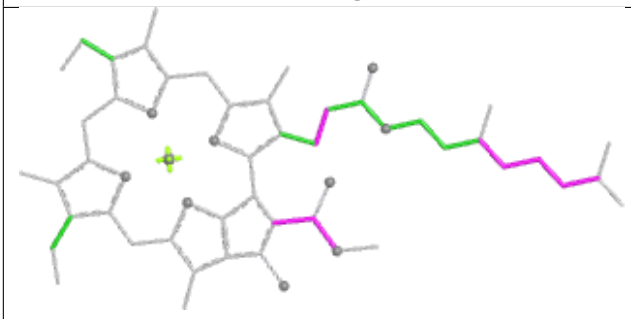


Bond angles



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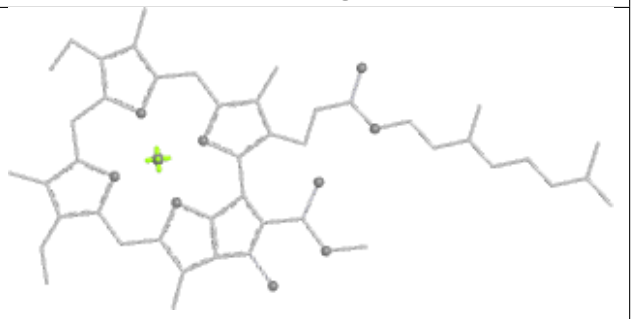
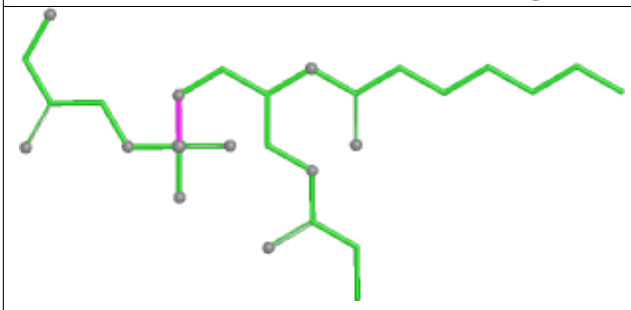


Rings

Ligand LHG a 617



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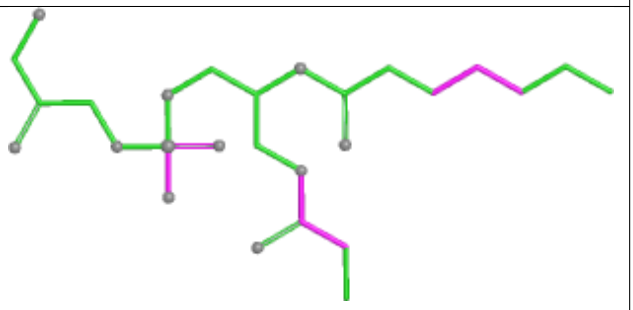
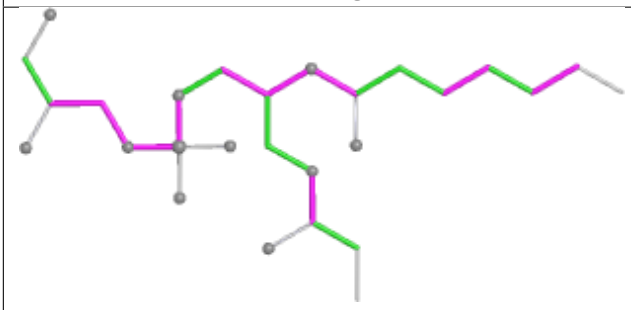


Bond angles



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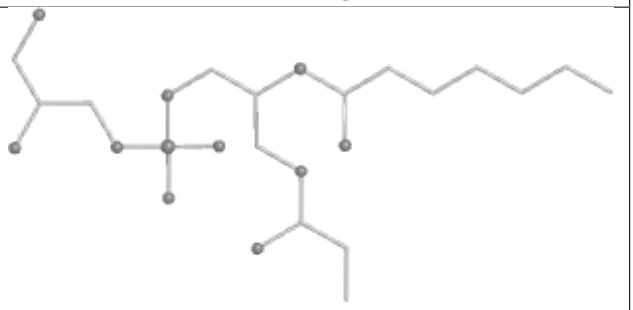
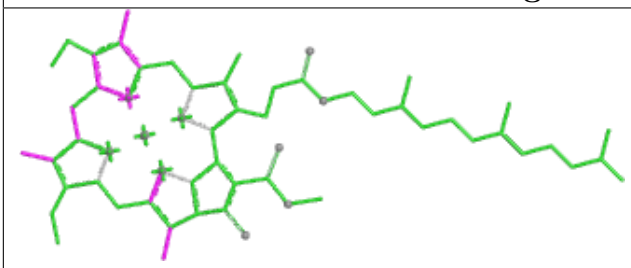


Rings

Ligand CLA A 830



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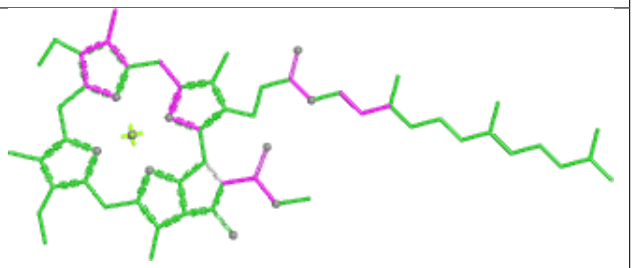

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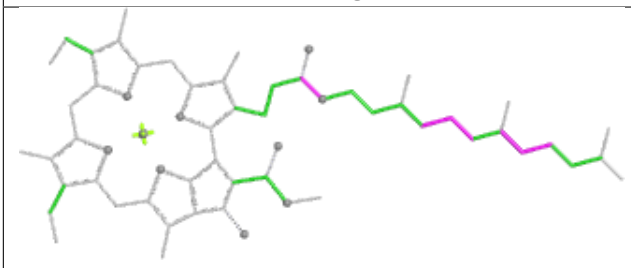

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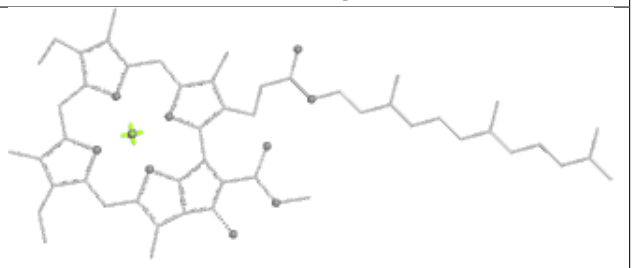
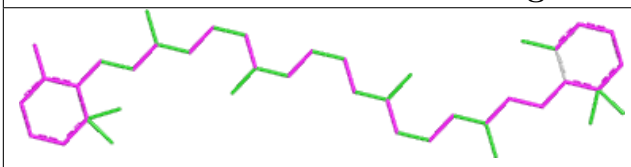


Rings

Ligand 8CT B 845



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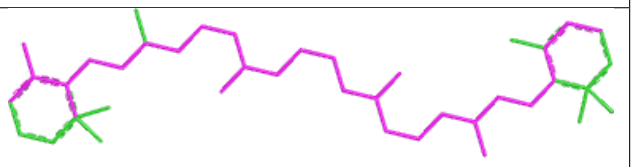
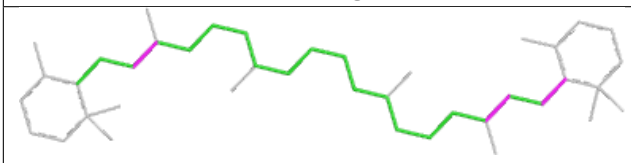
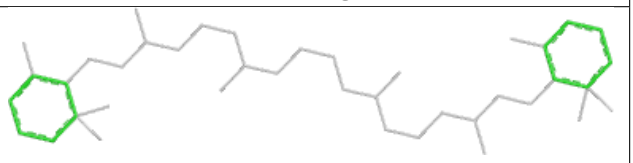


Bond angles

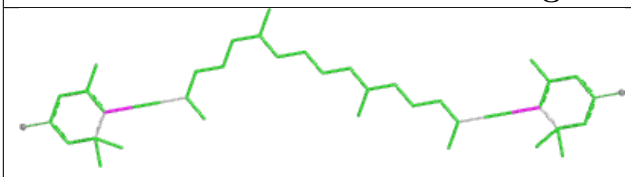


Torsions



Rings

Ligand II0 4 612



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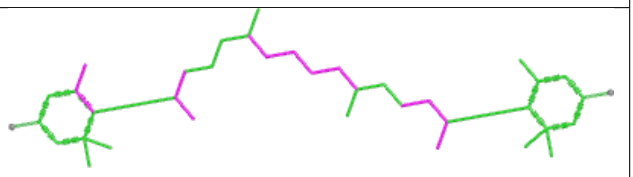
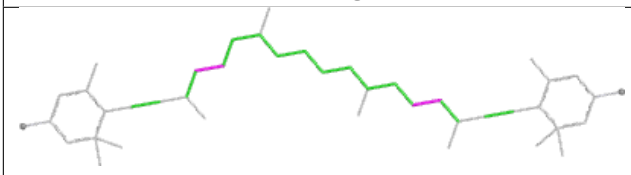


Bond angles



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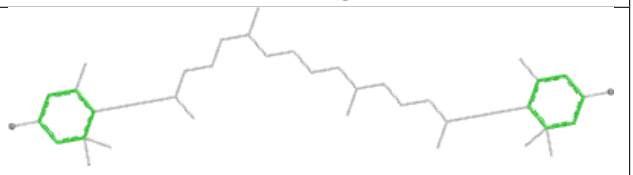
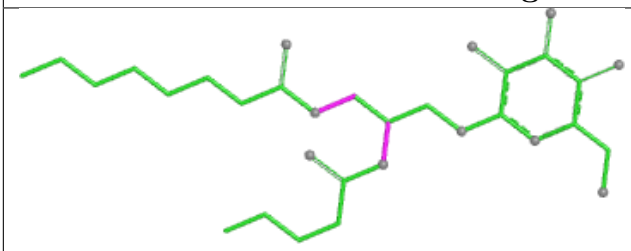


Rings

Ligand LMG F 204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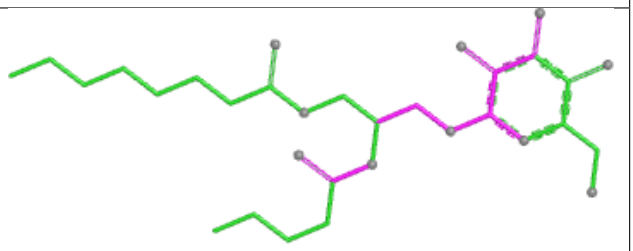
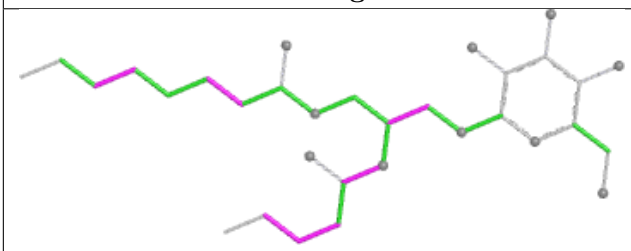
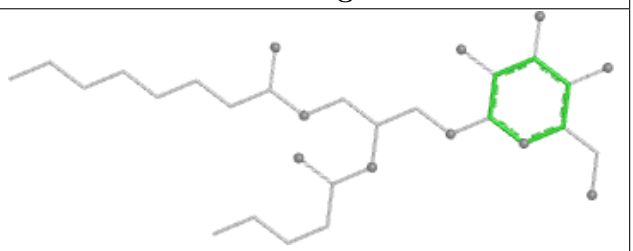
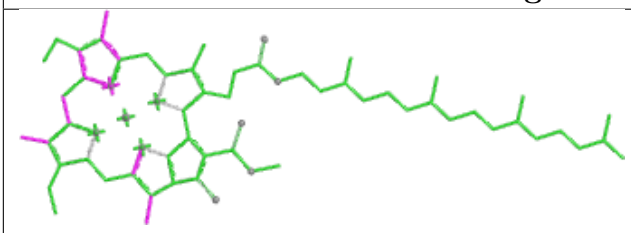

Bond angles


Torsions


Rings

Ligand CLA B 824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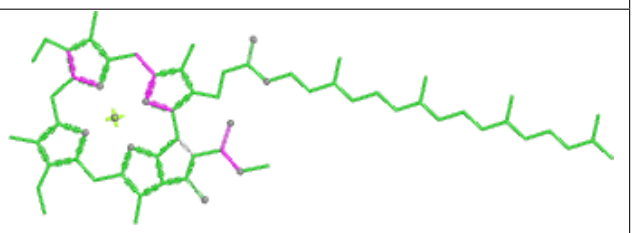
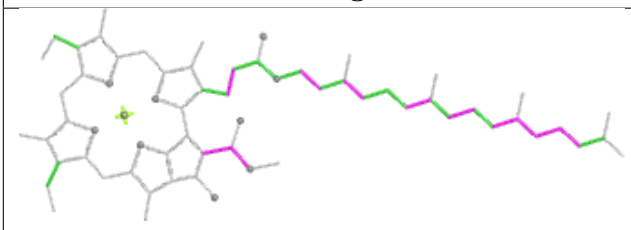
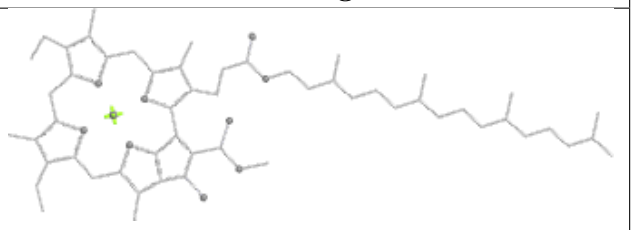
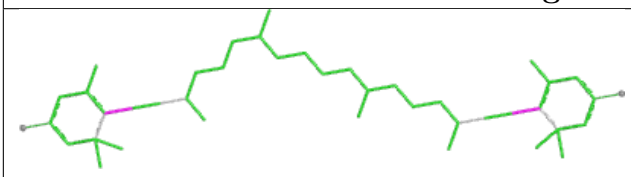

Bond angles


Torsions


Rings

Ligand II0 3 316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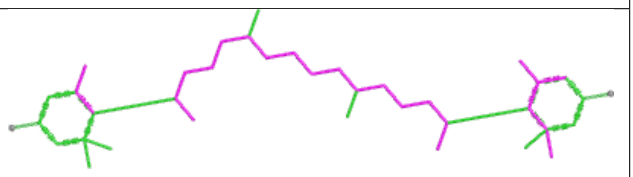
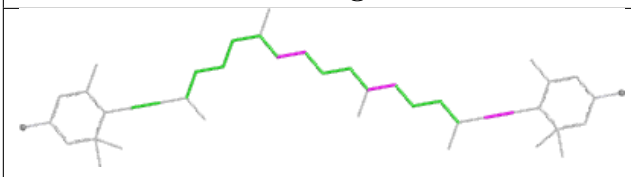
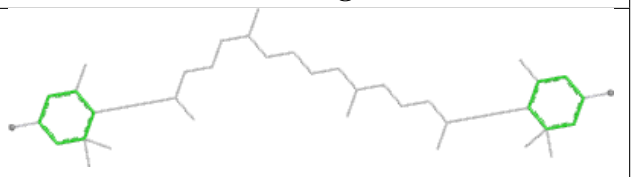
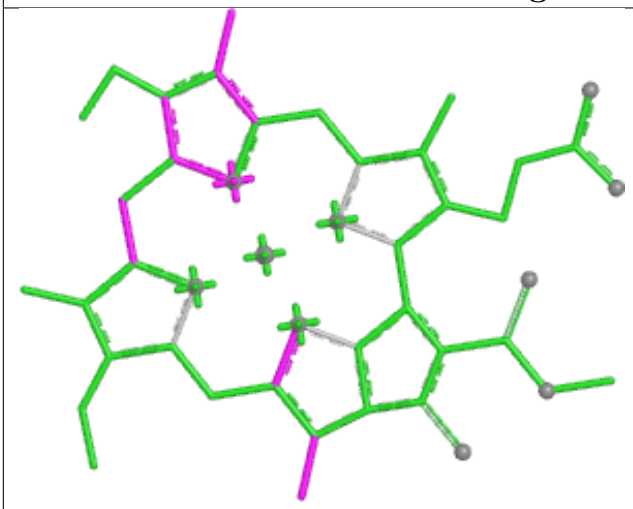

Bond angles


Torsions


Rings

Ligand CLA c 613



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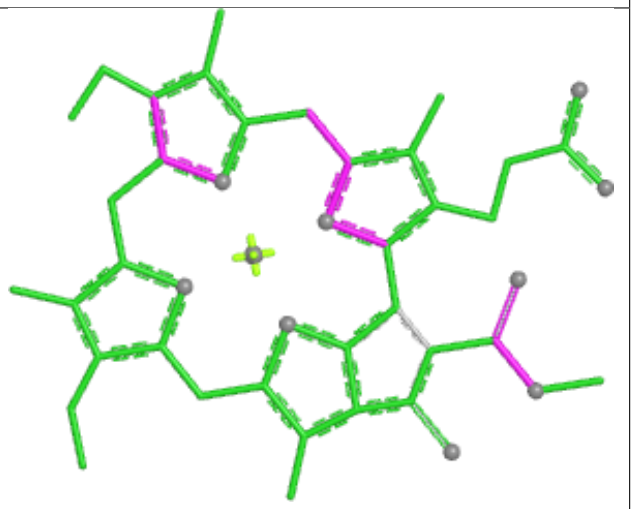
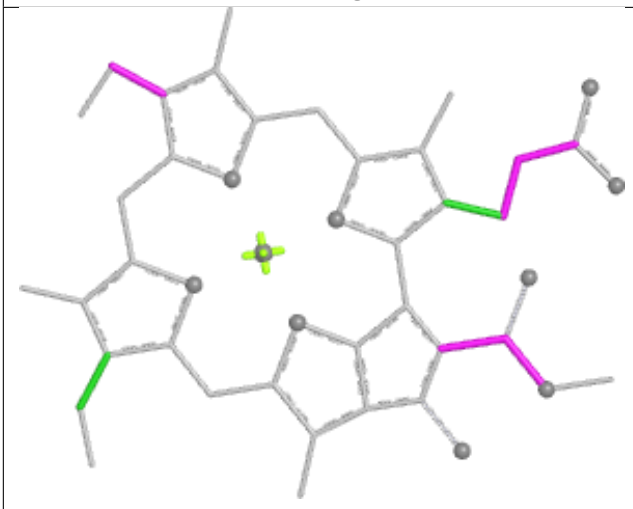


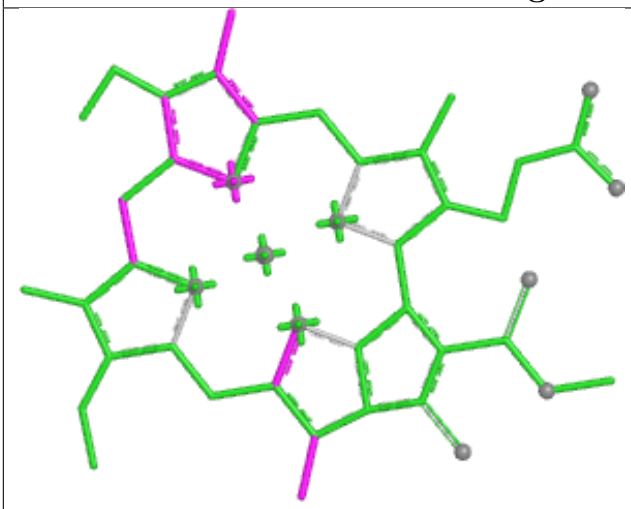
Bond angles



Torsions

Rings

Ligand CLA 1 611



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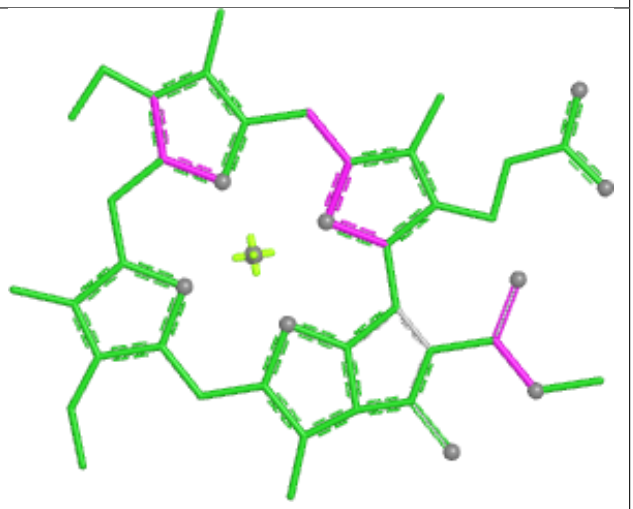
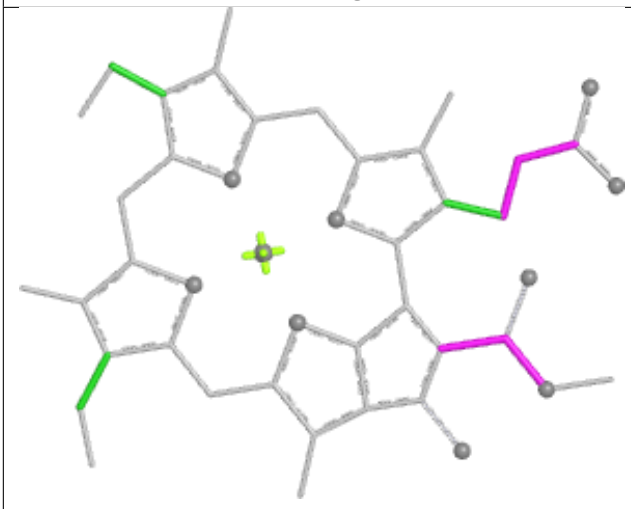


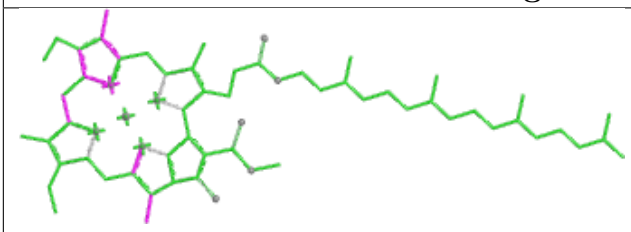
Bond angles



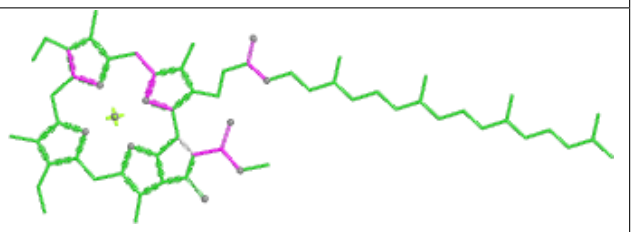
Torsions

Rings

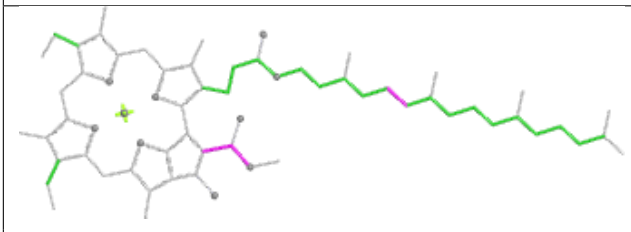
Ligand CLA A 832



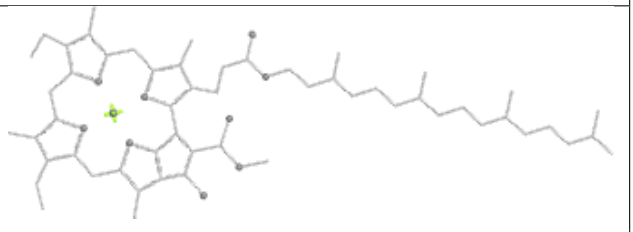
Bond lengths



Bond angles

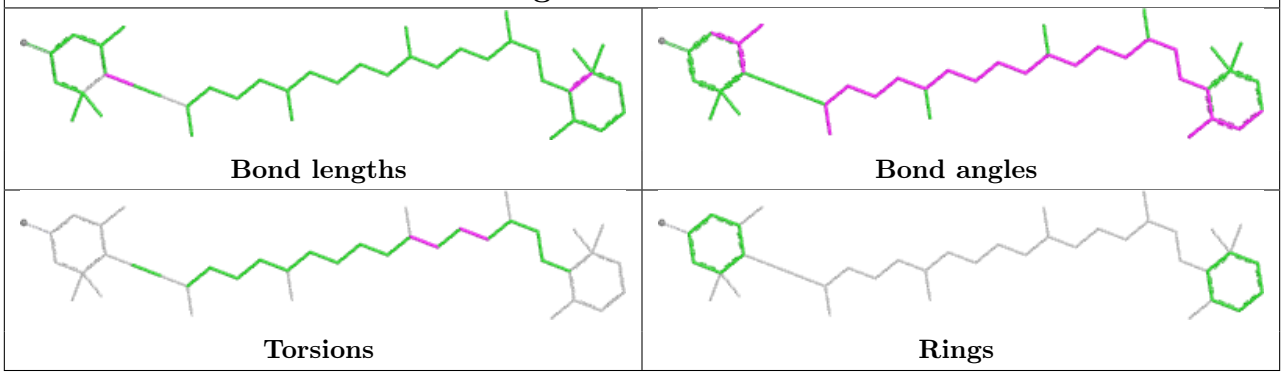


Torsions

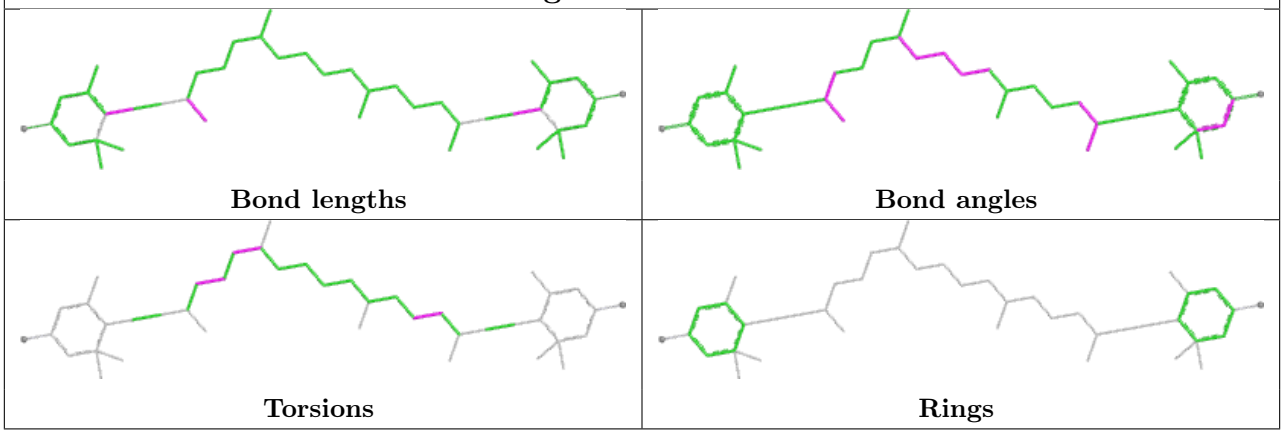


Rings

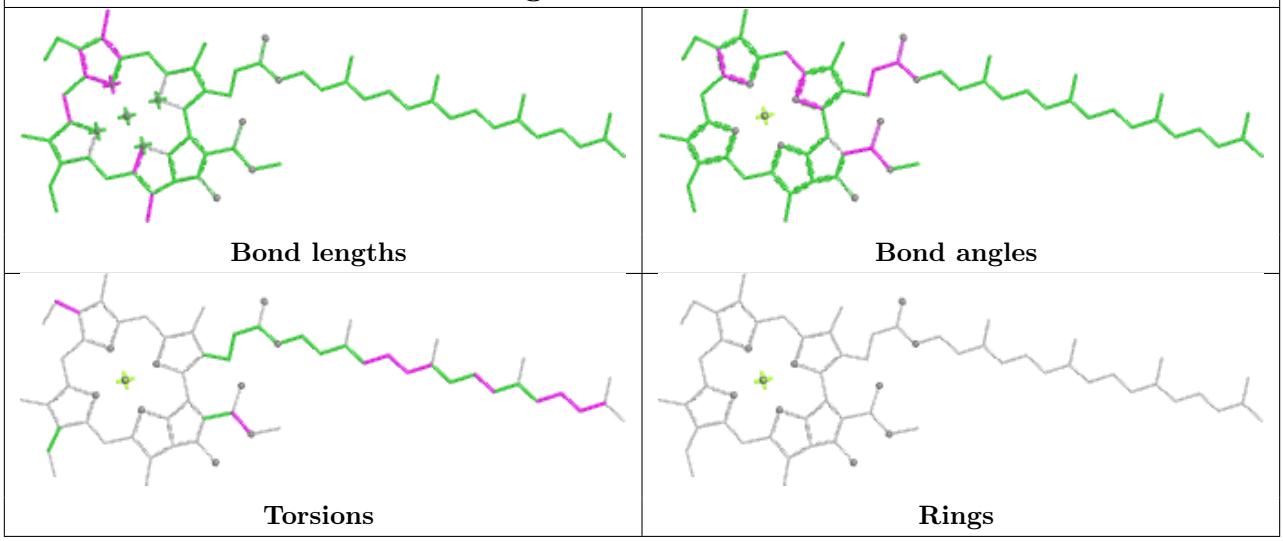
Ligand IHT 2 616



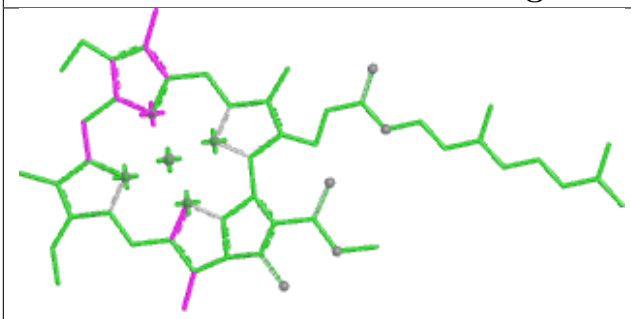
Ligand II0 8 313



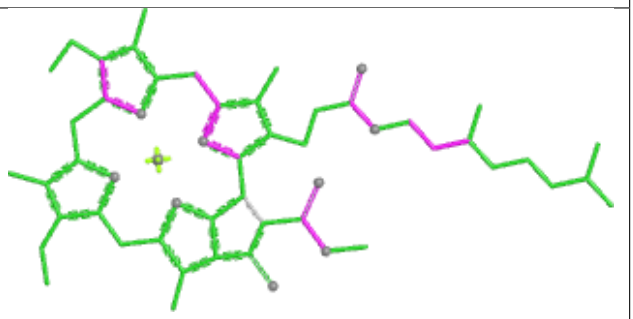
Ligand CLA A 837



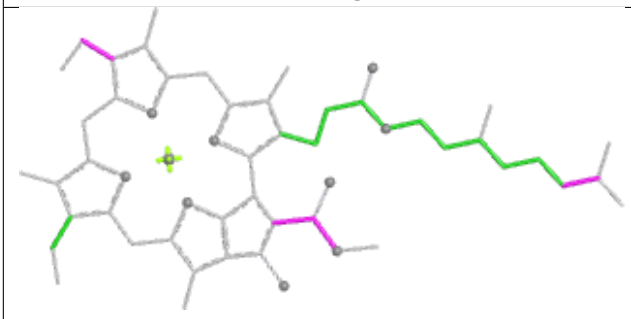
Ligand CLA F 202



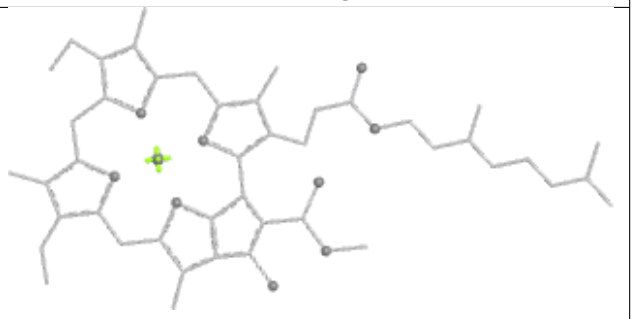
Bond lengths



Bond angles

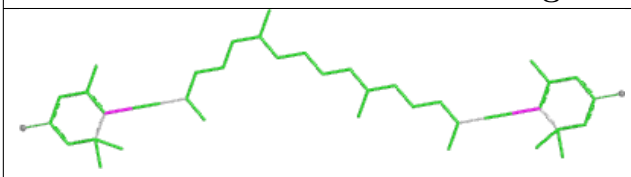


Torsions



Rings

Ligand II0 1 617



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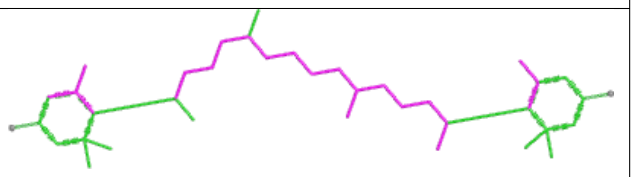
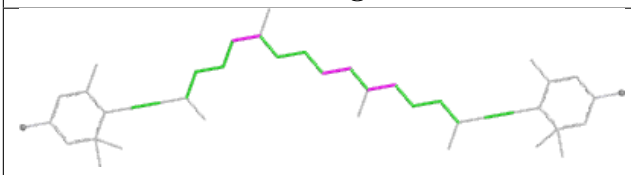
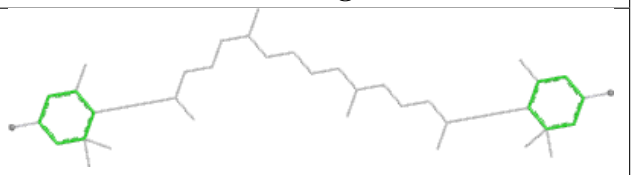


Bond angles

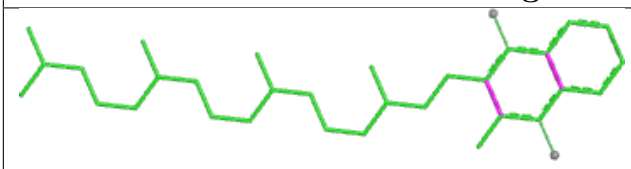


Torsions

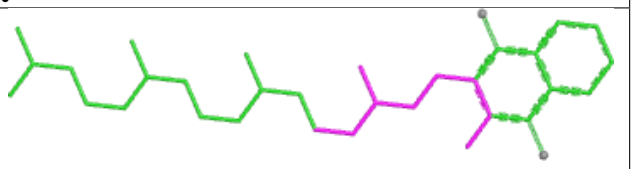


Rings

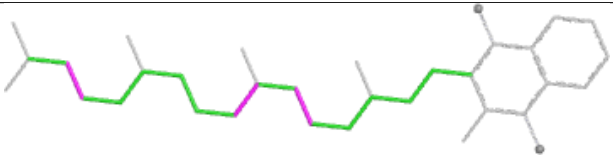
Ligand PQN B 842



Bond lengths



Bond angles



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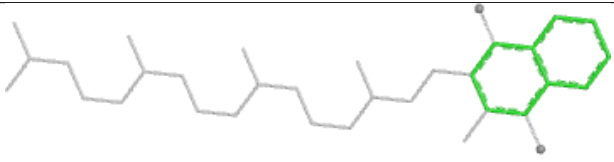
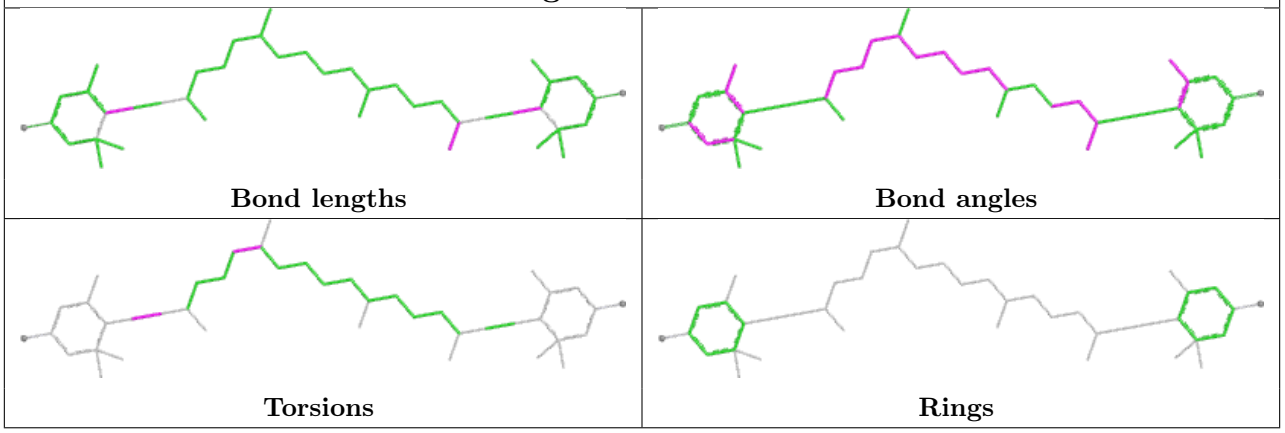
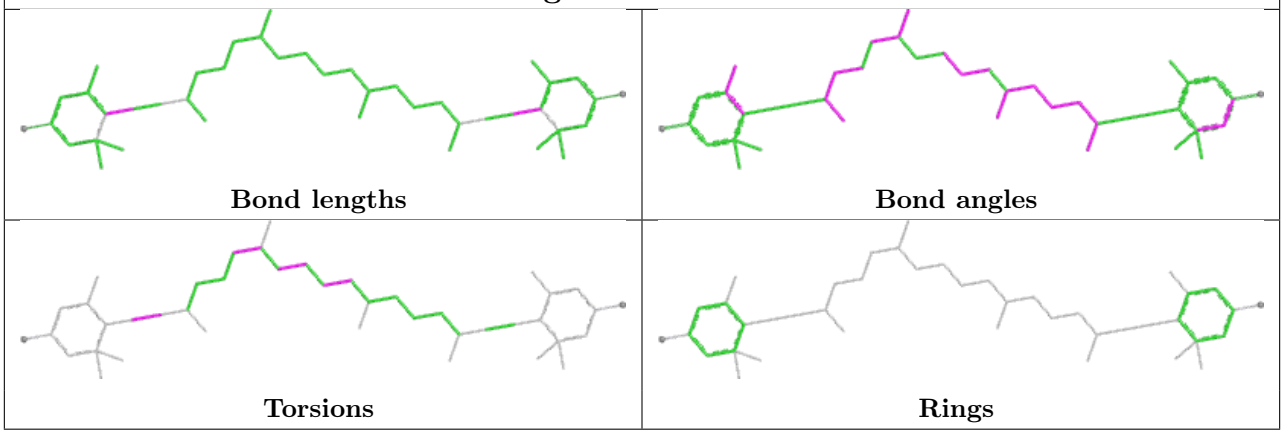


Rings

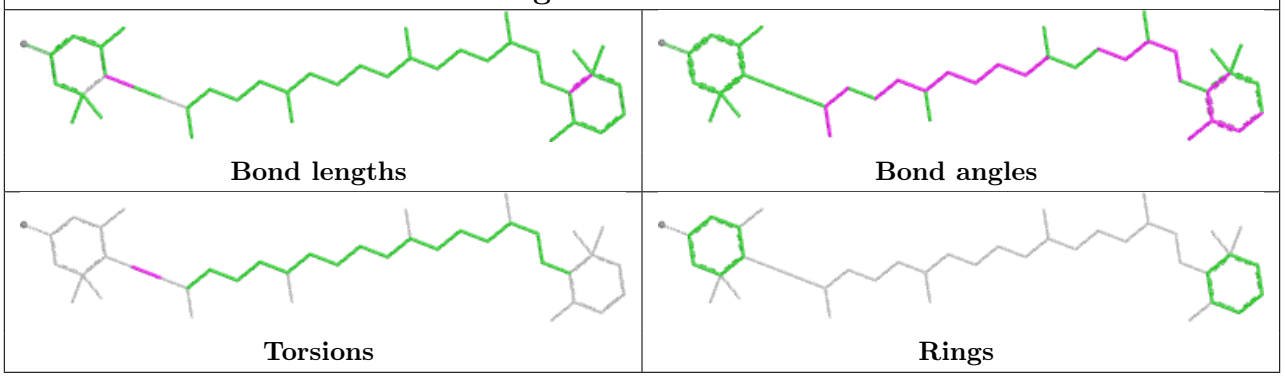
Ligand II0 b 614



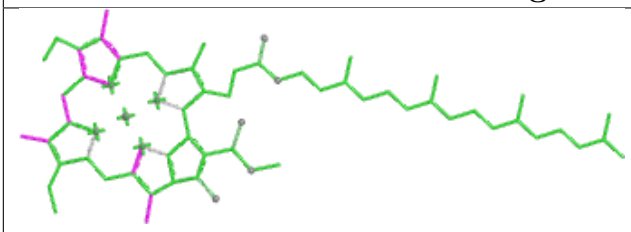
Ligand II0 9 319



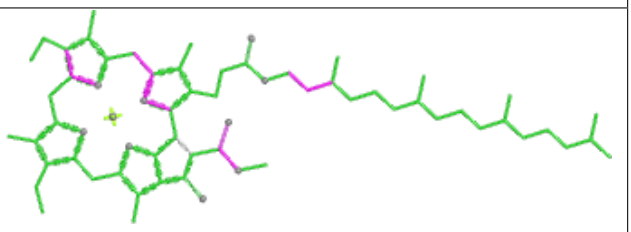
Ligand IHT 5 618



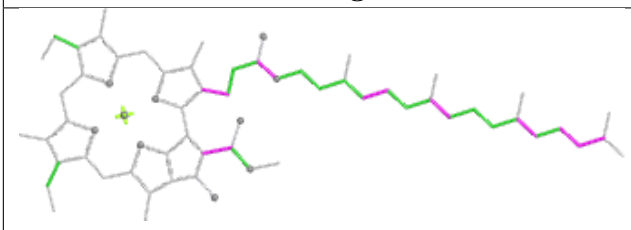
Ligand CLA c 606



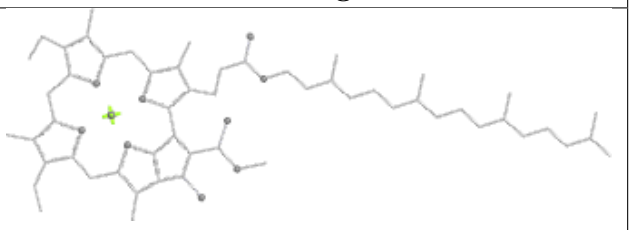
Bond lengths



Bond angles

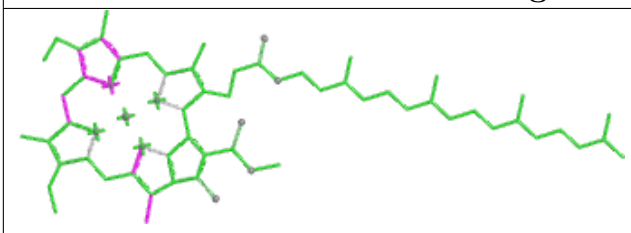


Torsions



Rings

Ligand CLA c 603



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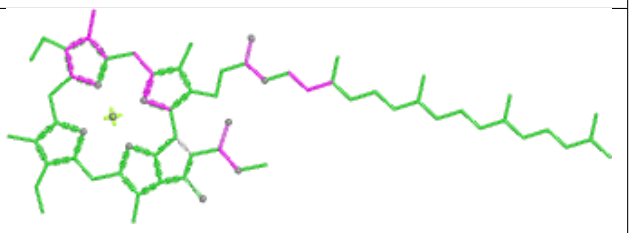

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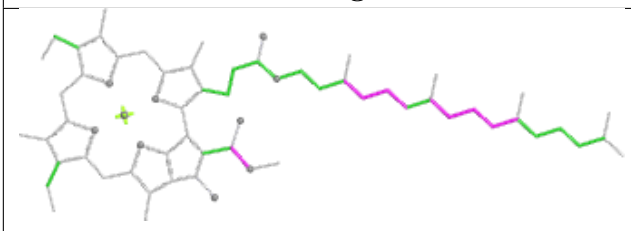

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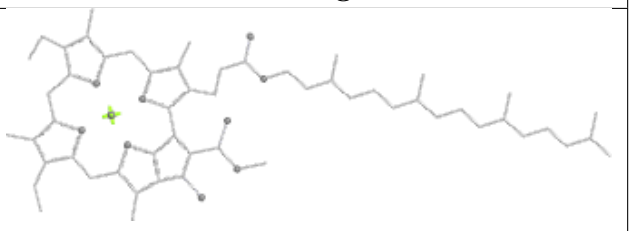
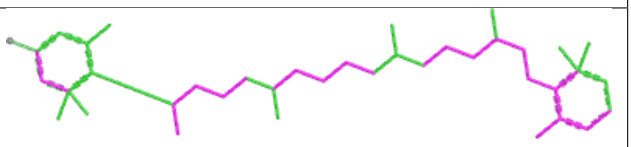


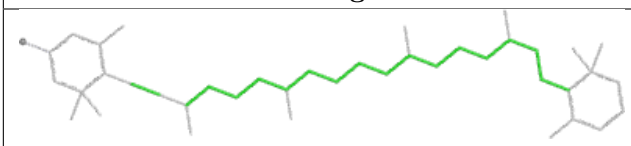
Rings

Ligand IHT d 617

Bond lengths



Bond angles



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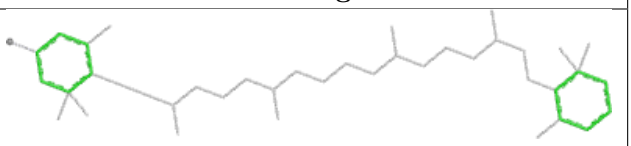
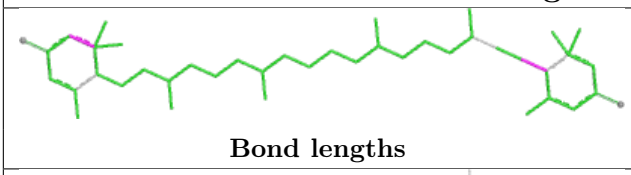


Rings

Ligand II3 e 613



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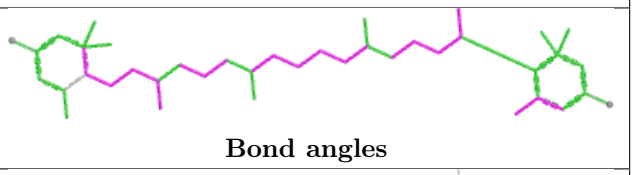
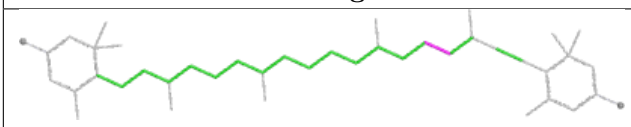


Bond angles



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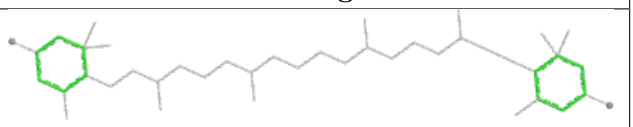
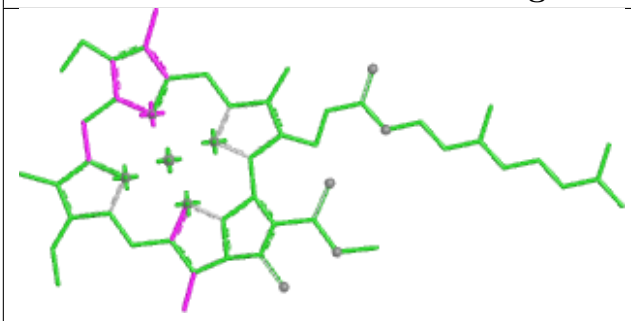


Rings

Ligand CLA 5 604



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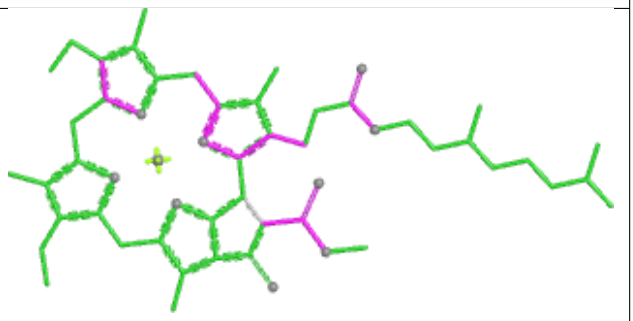

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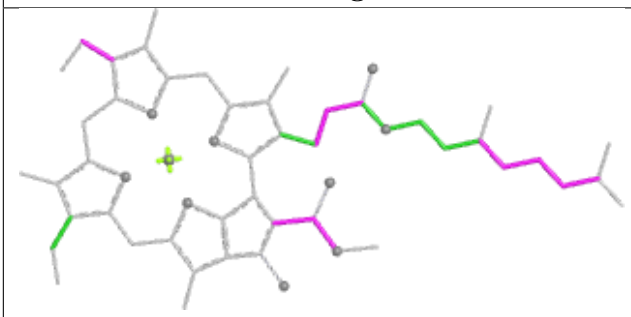
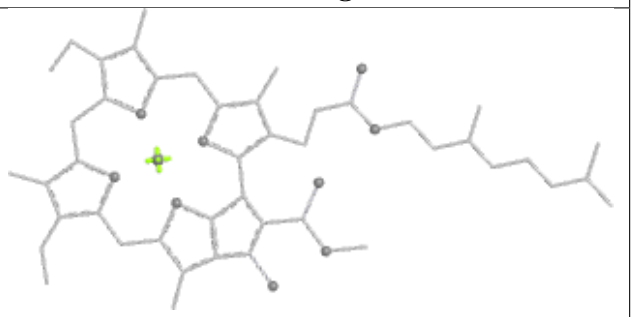
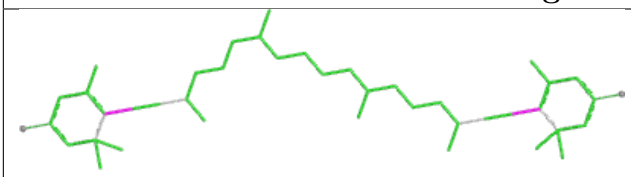


Torsions



Rings

Ligand II0 2 613



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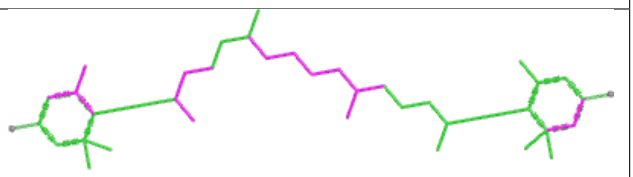

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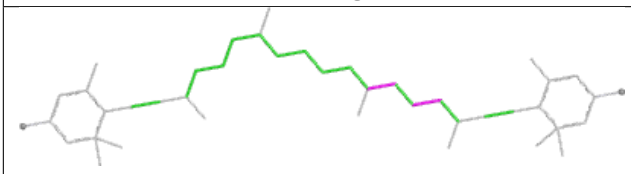

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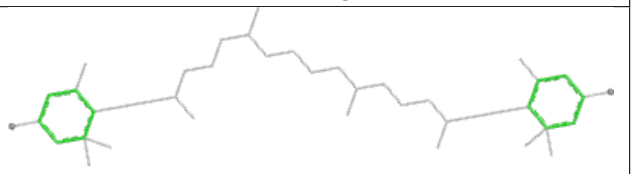
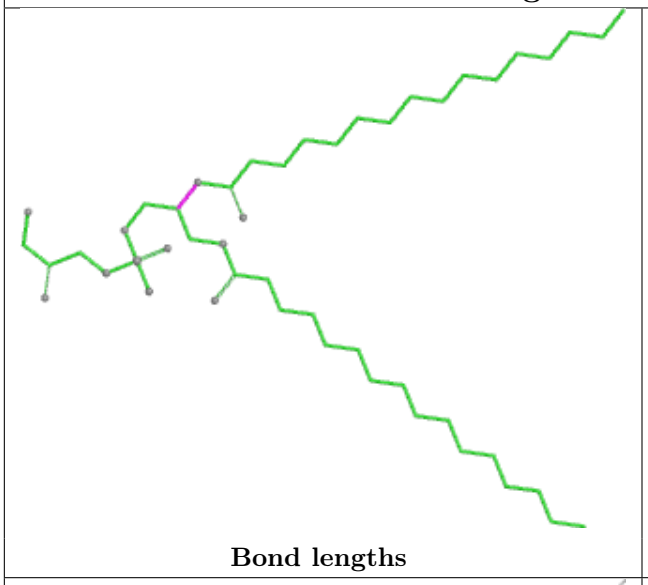


Rings

Ligand LHG A 850



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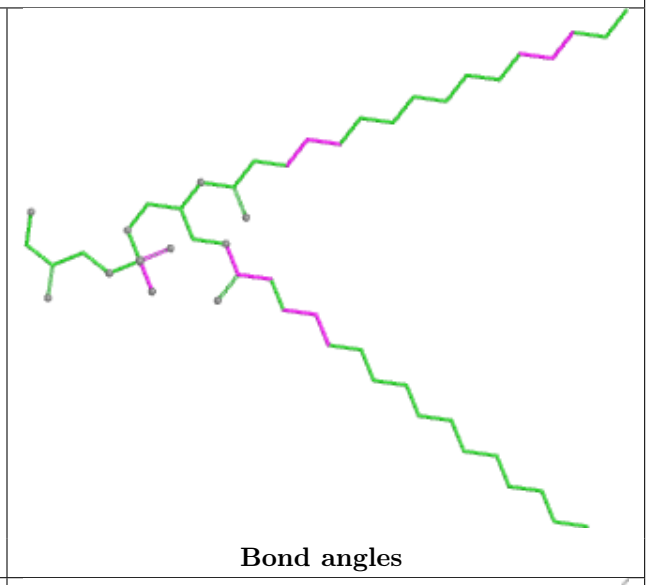
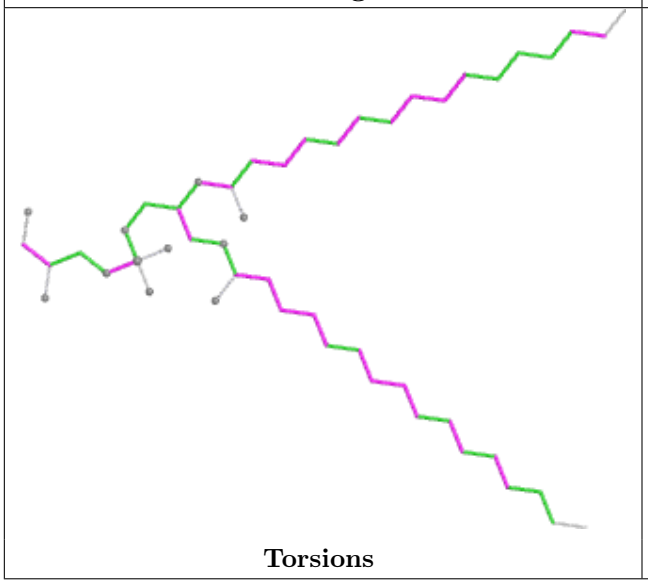
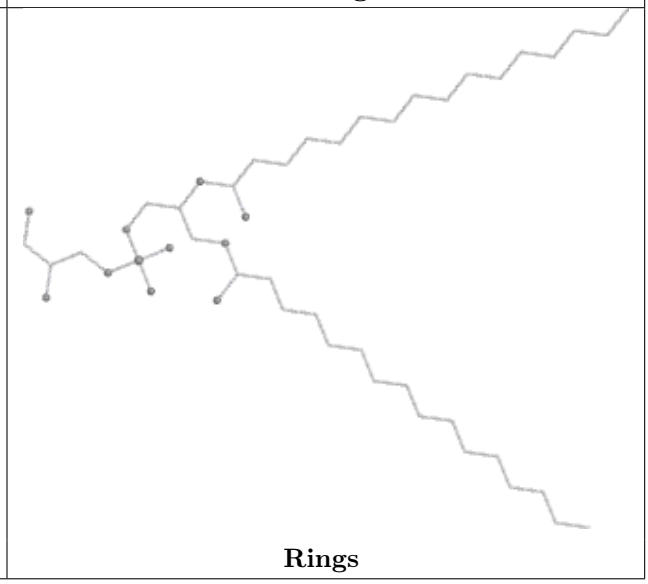


Bond angles

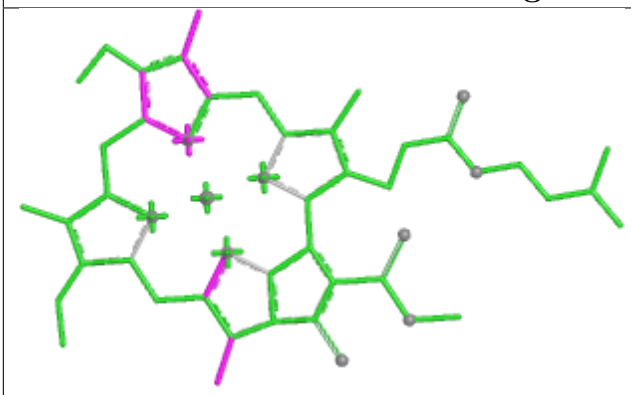


Torsions



Rings

Ligand CLA A 807



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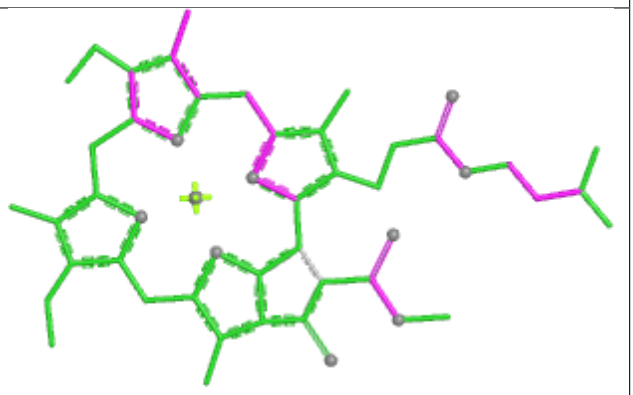
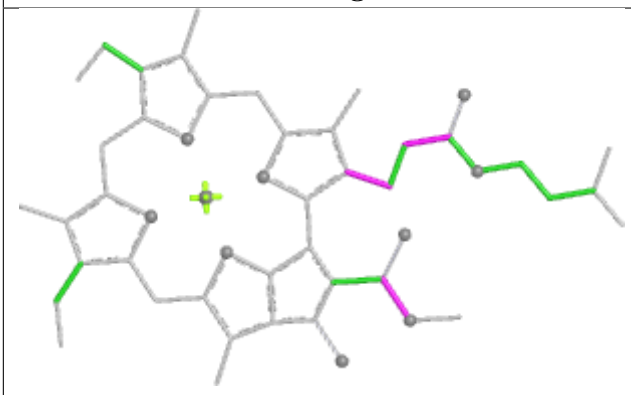


Bond angles



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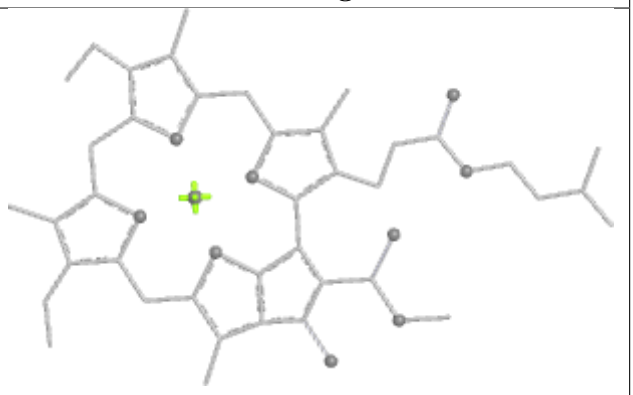
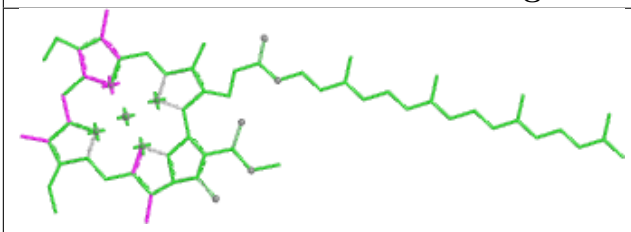
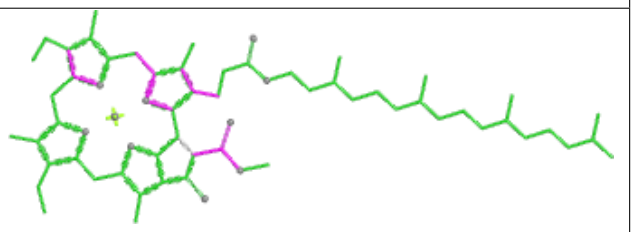


Rings

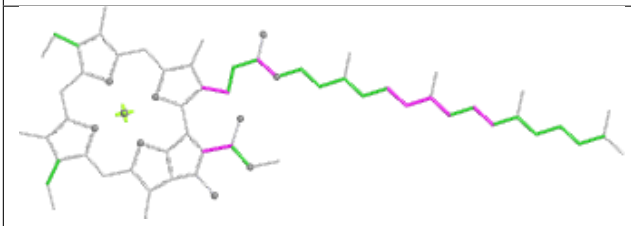
Ligand CLA A 841



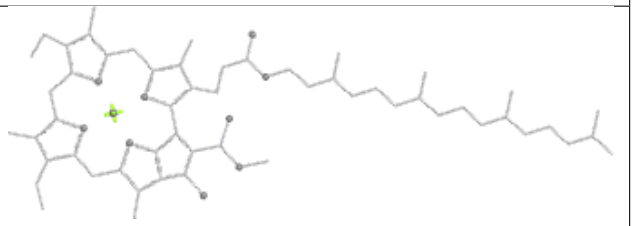
Bond lengths



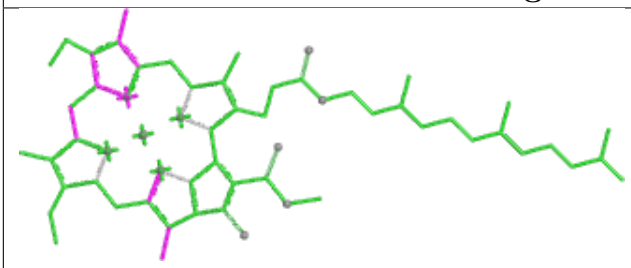
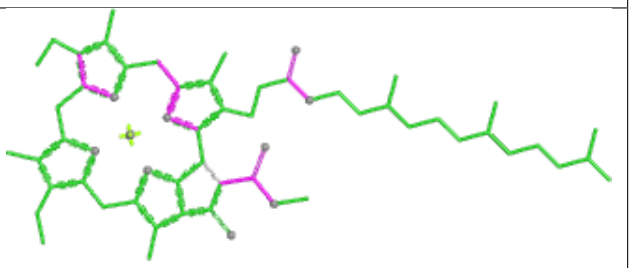
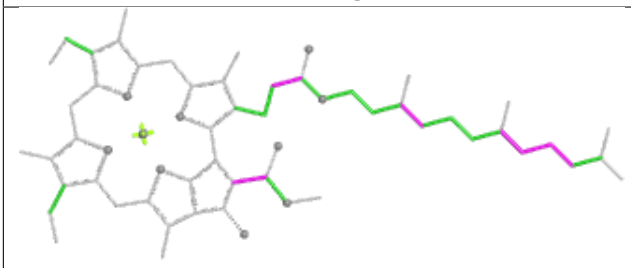
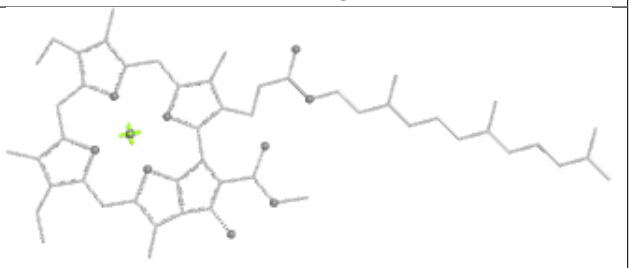
Bond angles

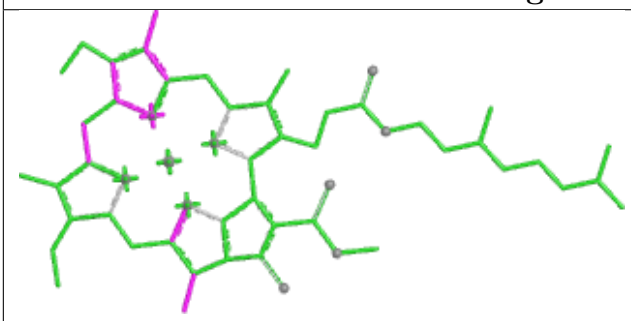
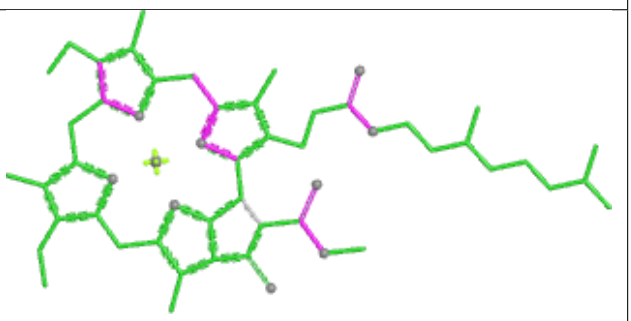
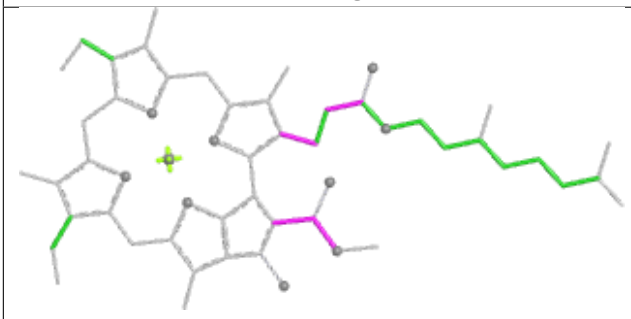
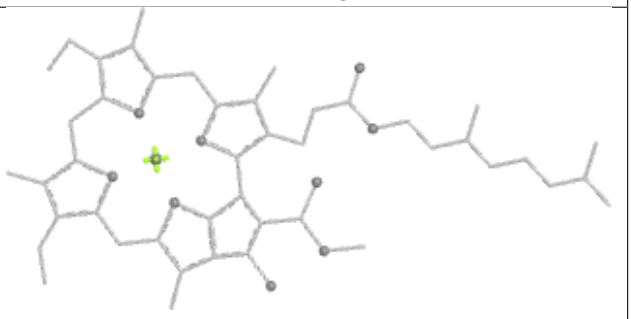


Torsions

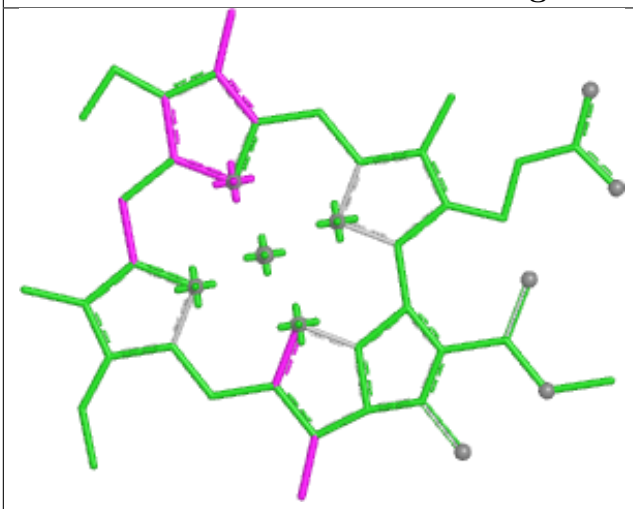


Rings

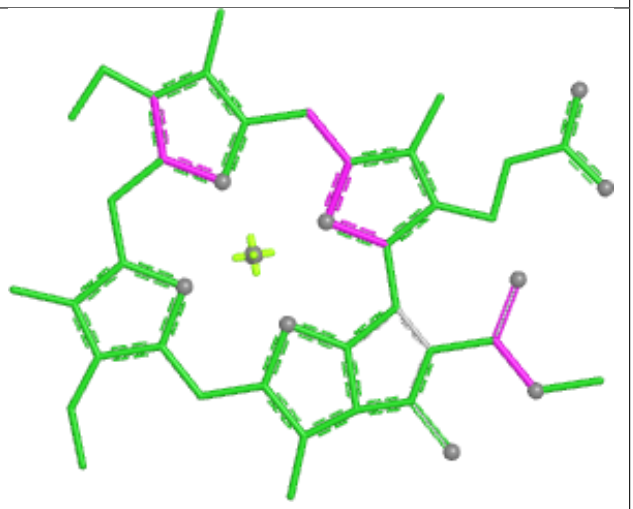
Ligand CLA B 822	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA Z 303	
	
Bond lengths	Bond angles
	
Torsions	Rings

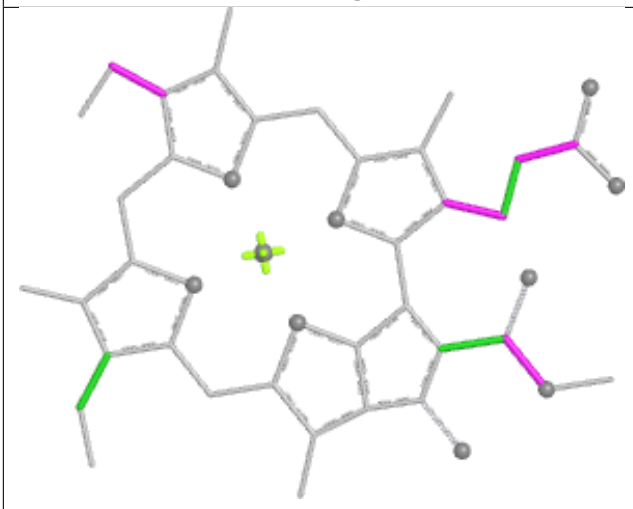
Ligand CLA c 605



Bond lengths



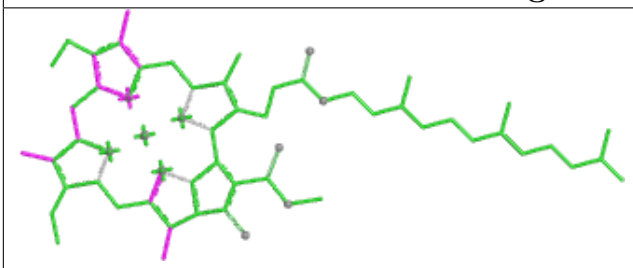
Bond angles



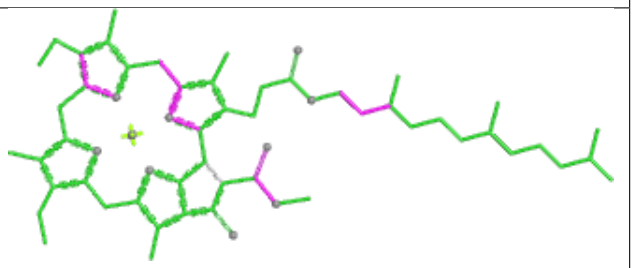
Torsions

Rings

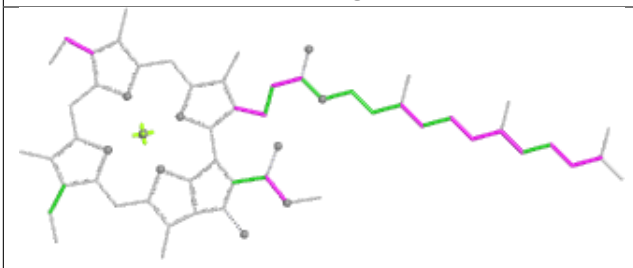
Ligand CLA 3 308



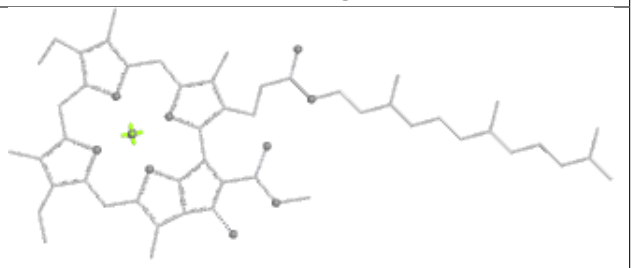
Bond lengths



Bond angles

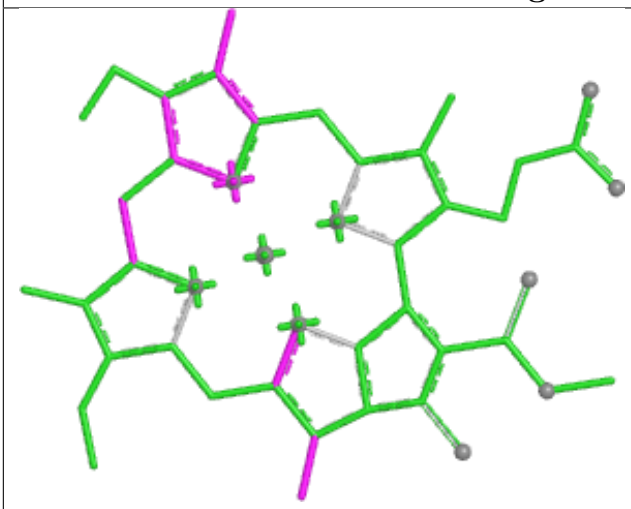


Torsions



Rings

Ligand CLA 9 306



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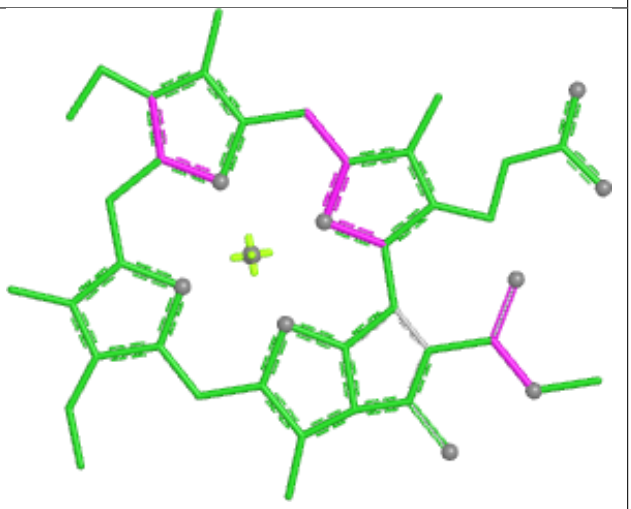
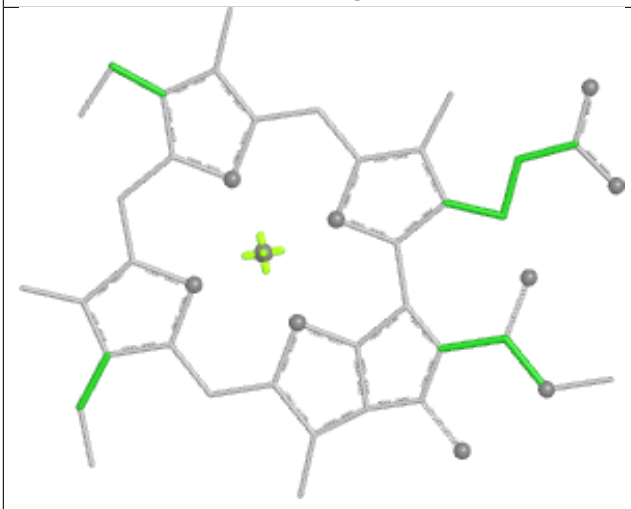


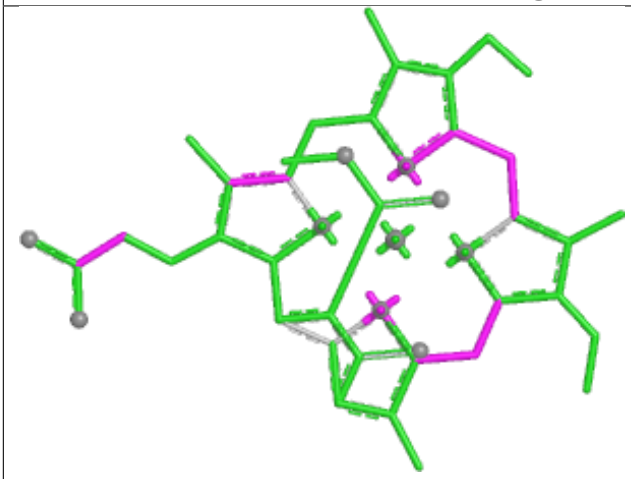
Bond angles



Torsions

Rings

Ligand KC2 4 605



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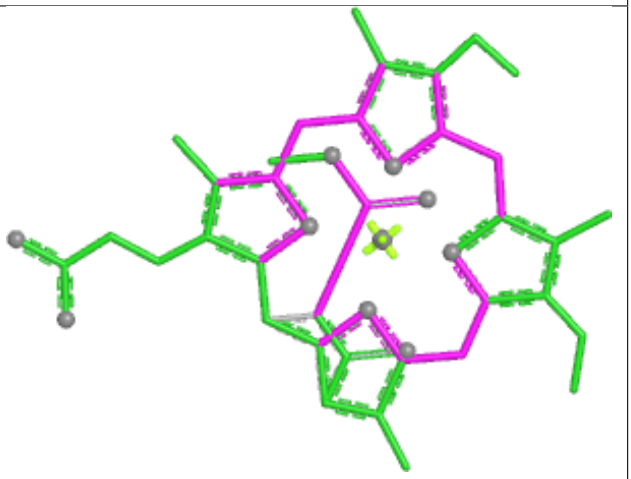
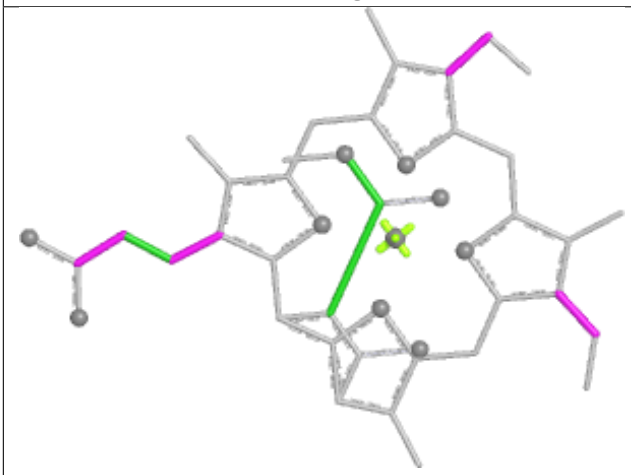


Bond angles



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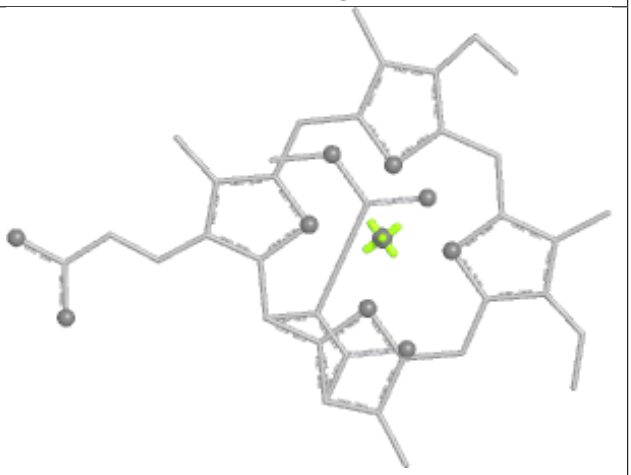
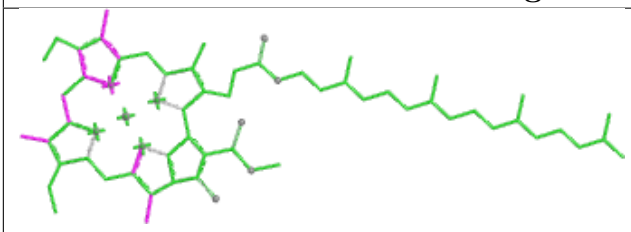


Rings

Ligand CLA B 823



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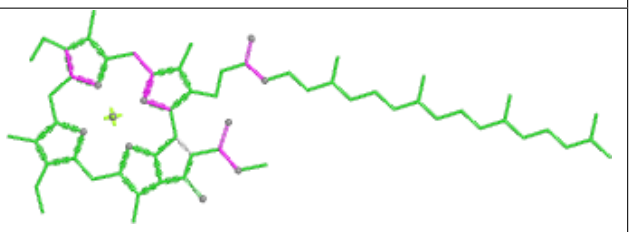

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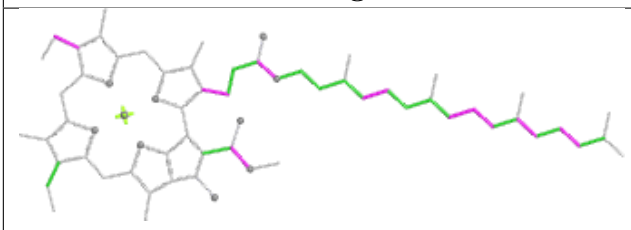

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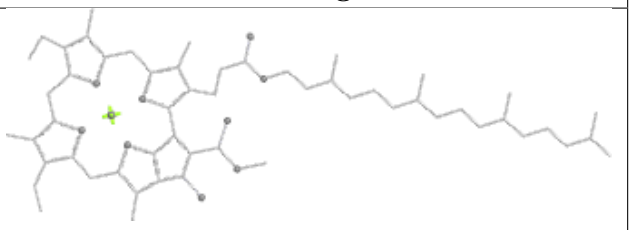
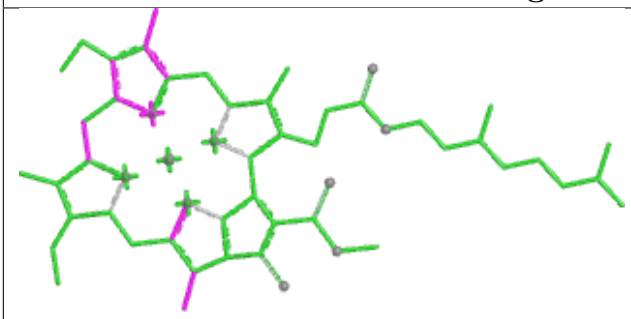


Rings

Ligand CLA b 611



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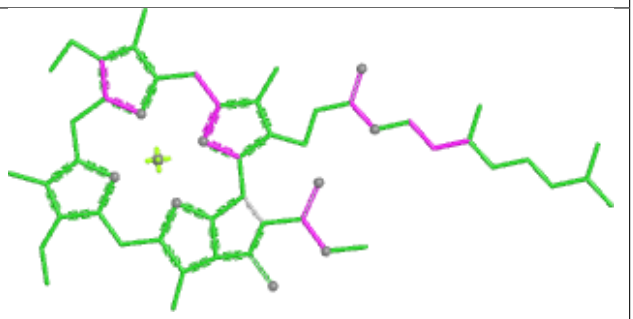
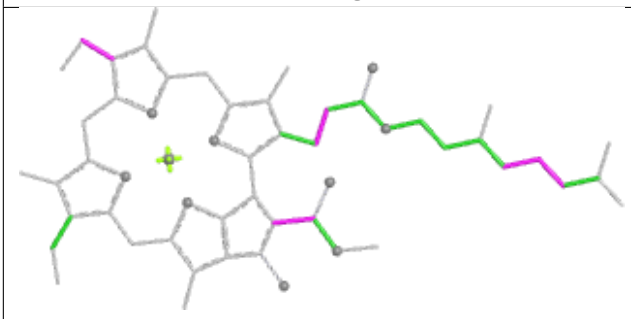


Bond angles



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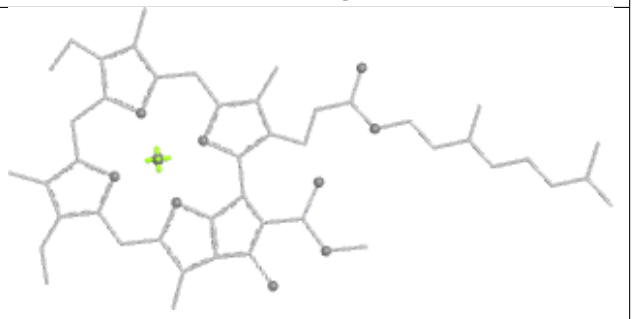
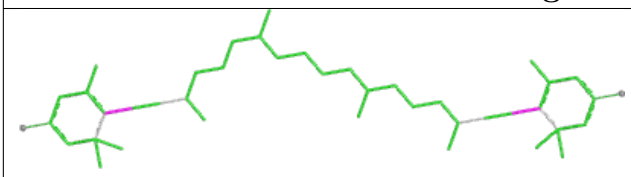
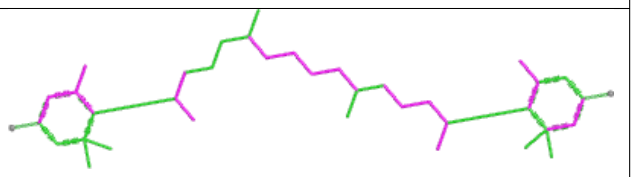


Rings

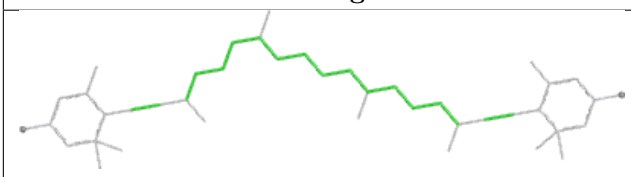
Ligand II0 6 614



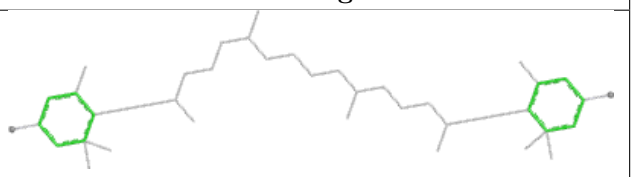
Bond lengths



Bond angles

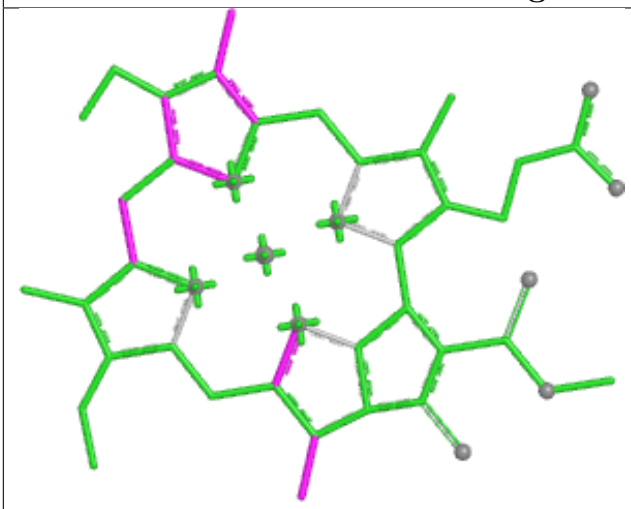


Torsions



Rings

Ligand CLA 1 604



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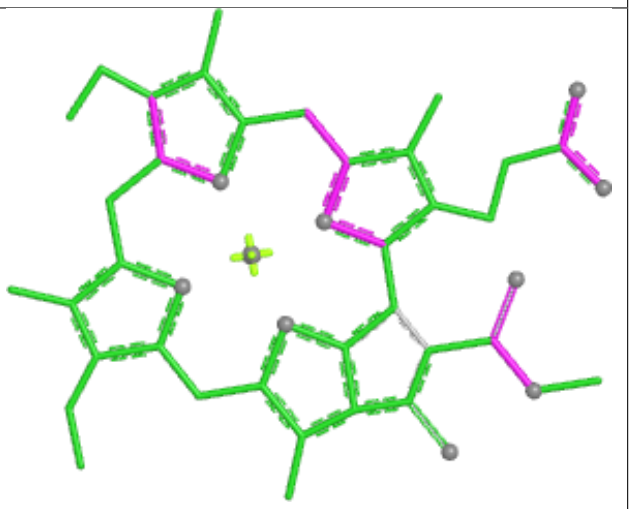
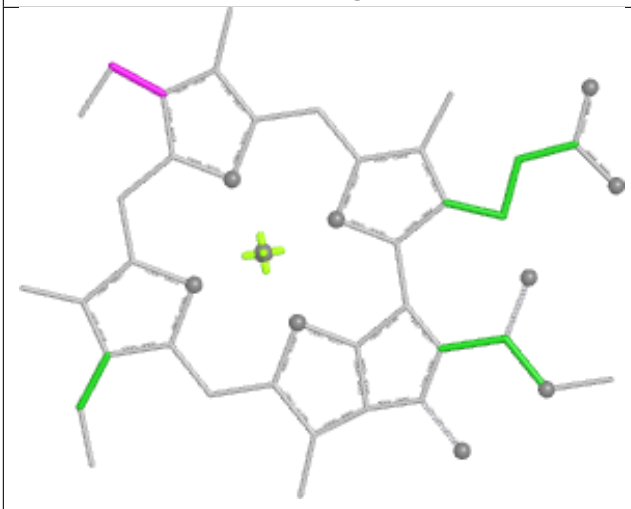


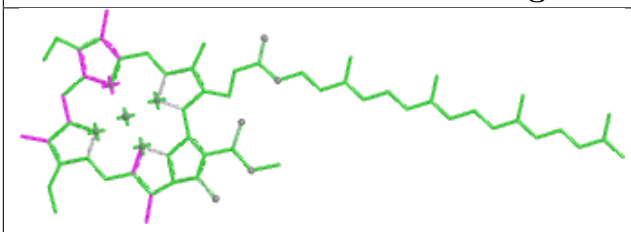
Bond angles



Torsions

Rings

Ligand CLA a 606



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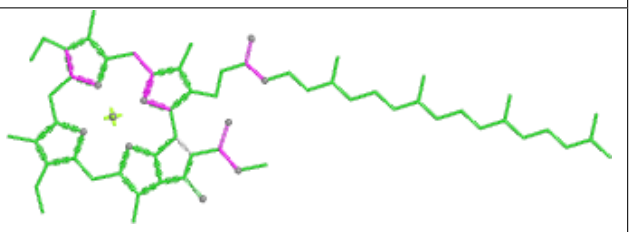
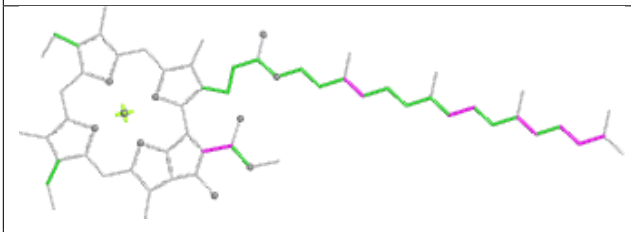


Bond angles



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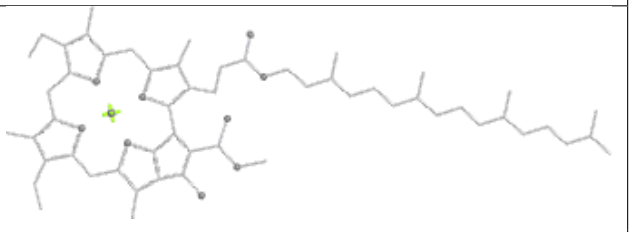
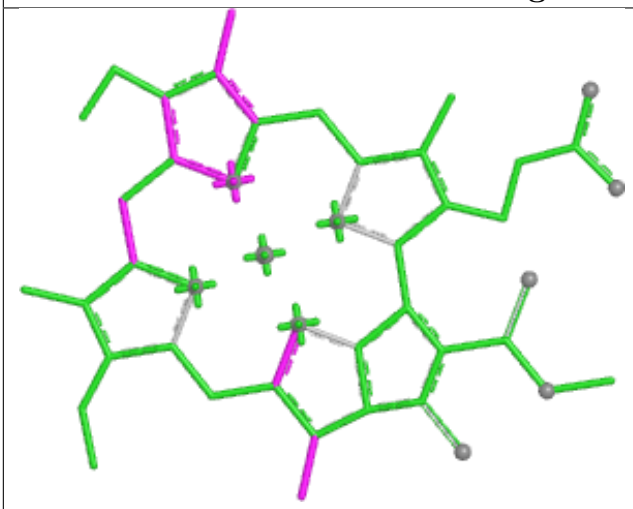


Rings

Ligand CLA 2 612



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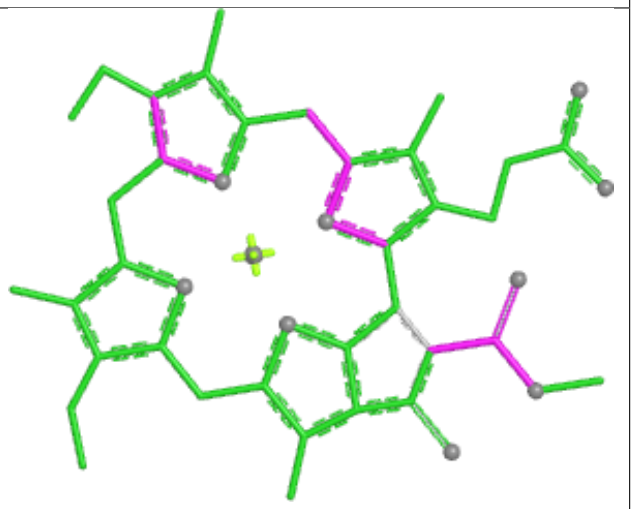
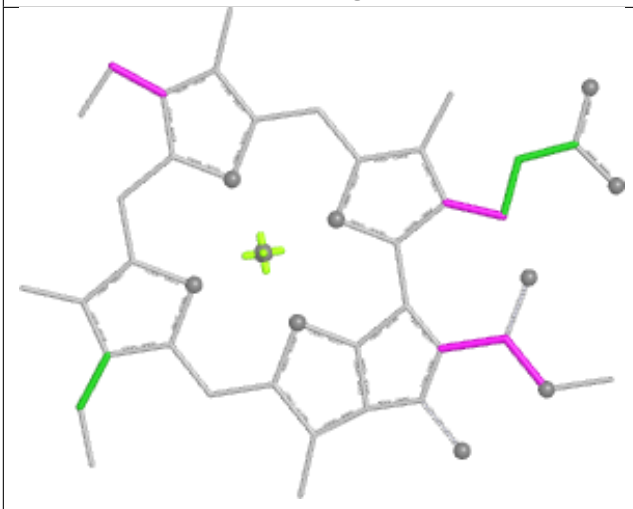


Bond angles

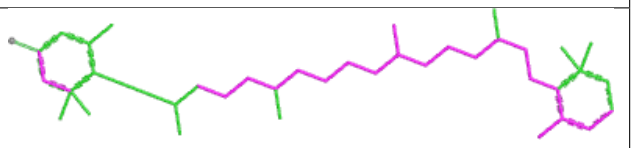


Torsions

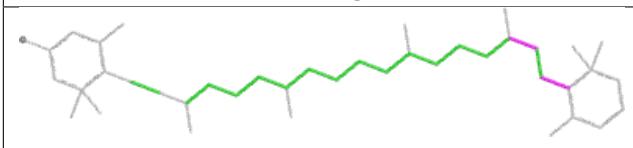
Rings

Ligand IHT c 620

Bond lengths



Bond angles



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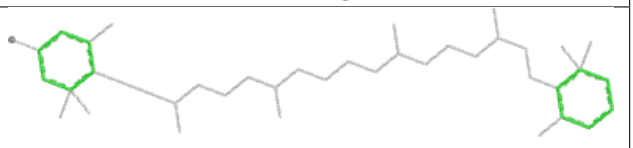
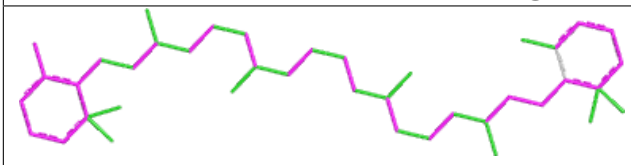
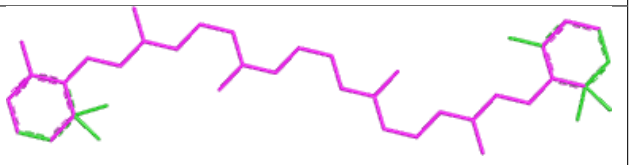
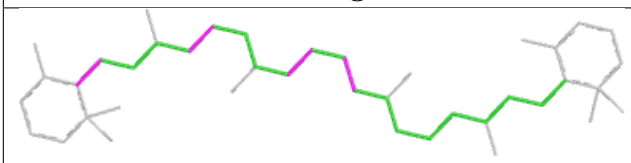
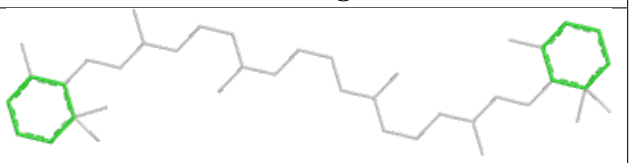


Rings

Ligand 8CT R 203	
 Bond lengths	 Bond angles
 Torsions	 Rings

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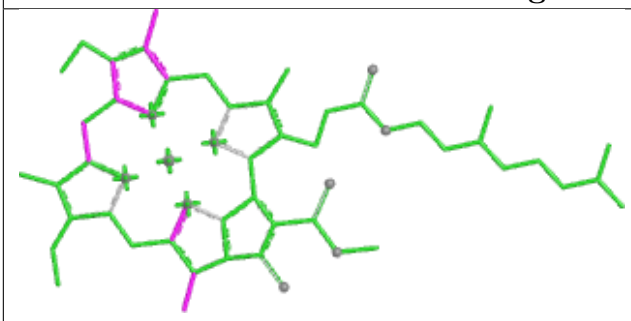
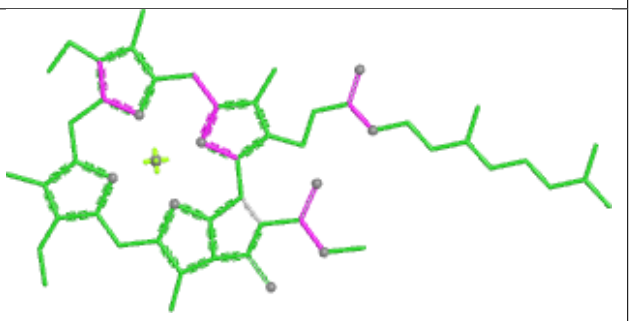
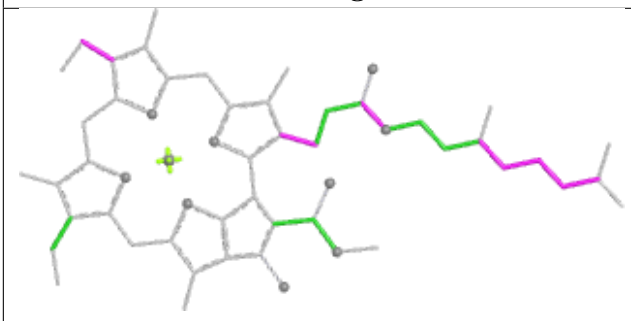
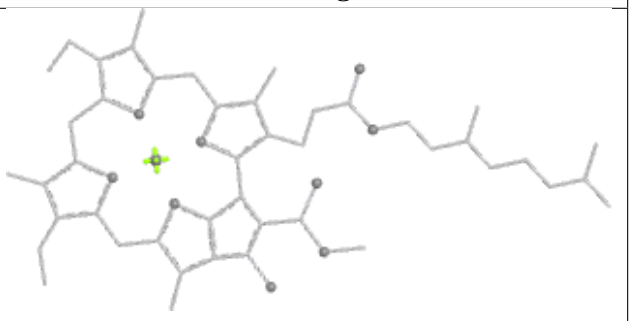
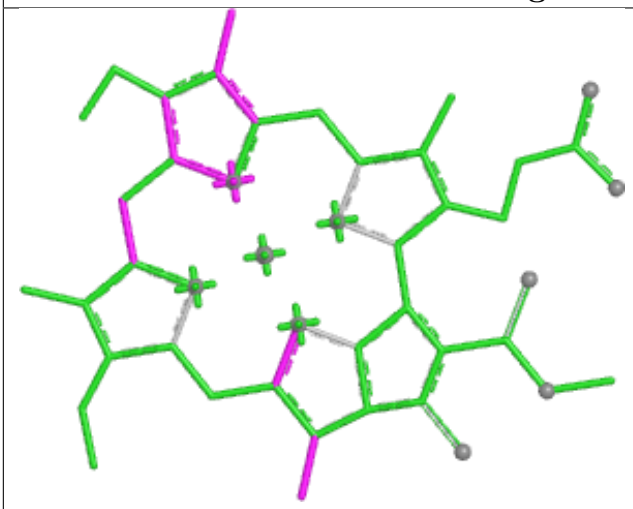
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA 3 313



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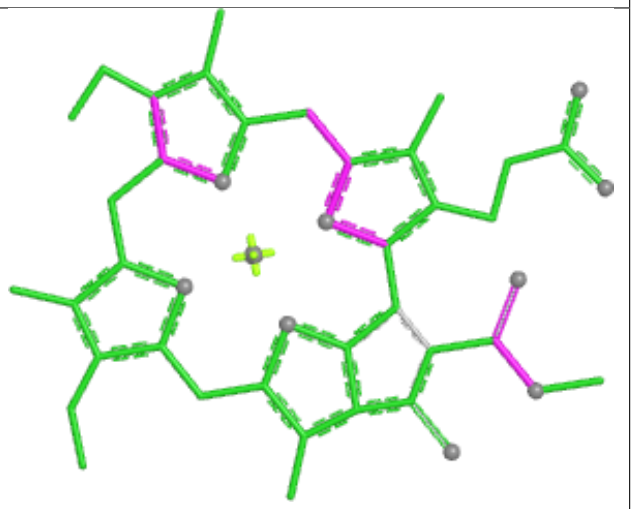

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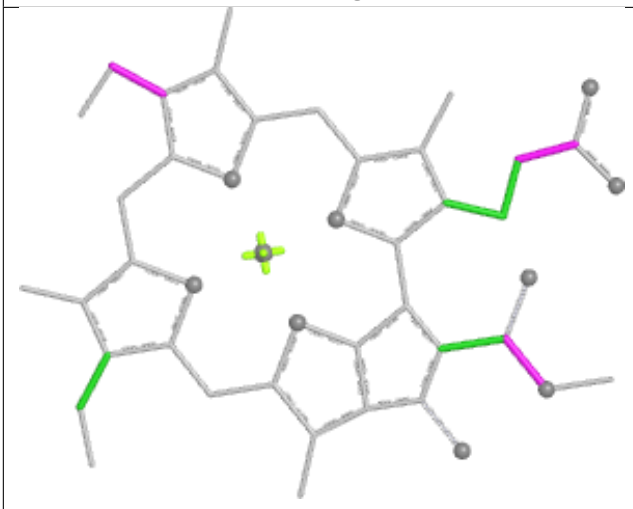
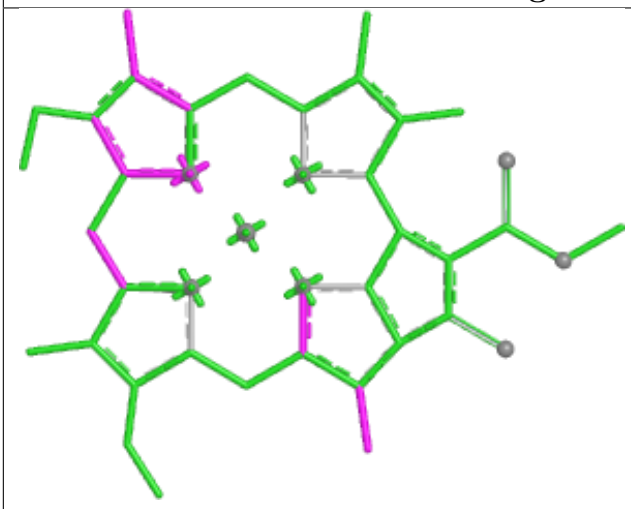


Torsions

Rings

Ligand CLA e 608



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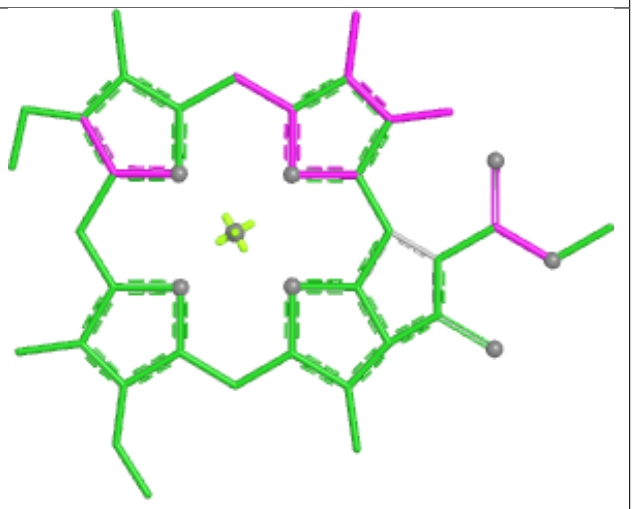

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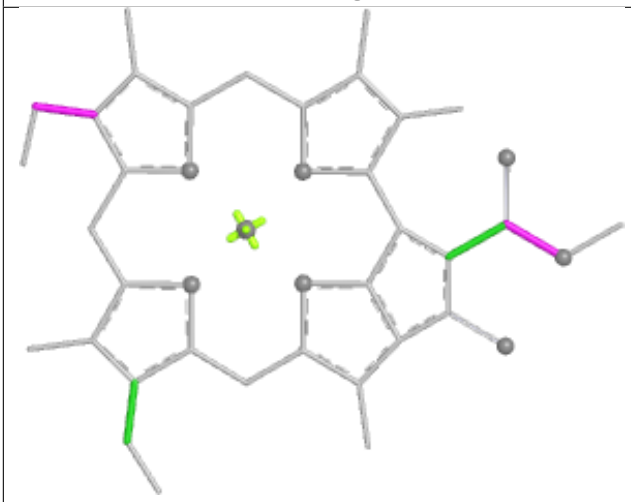

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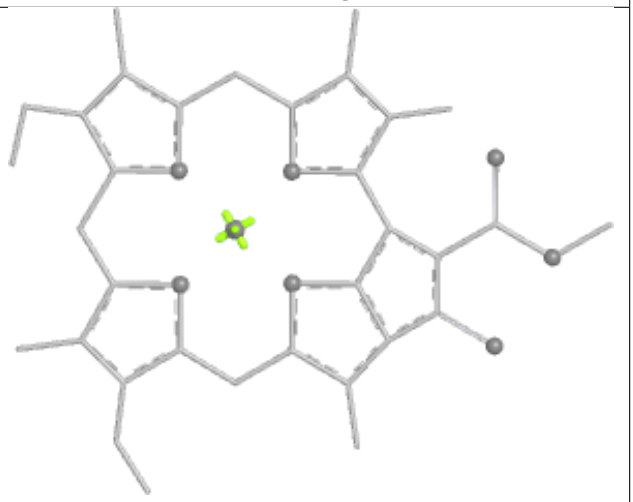

Rings

Ligand IHT Z 301

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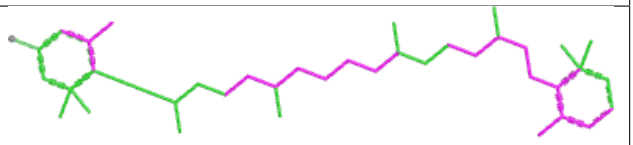

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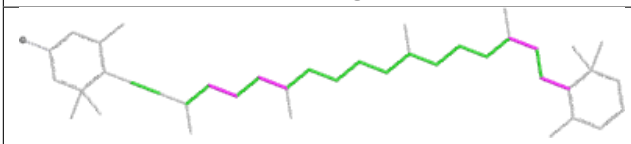

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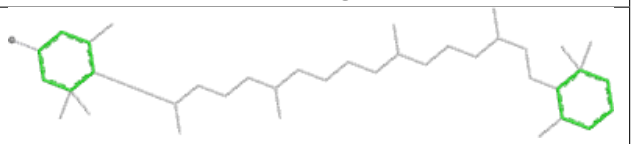
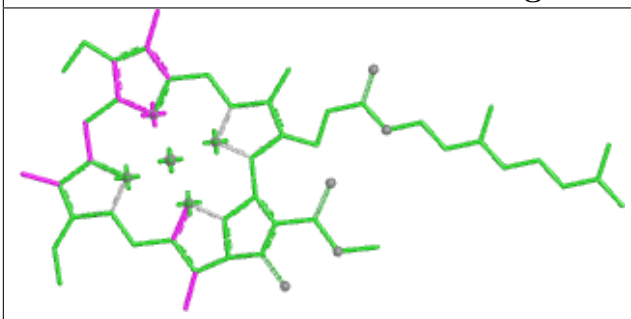


Rings

Ligand CLA B 812



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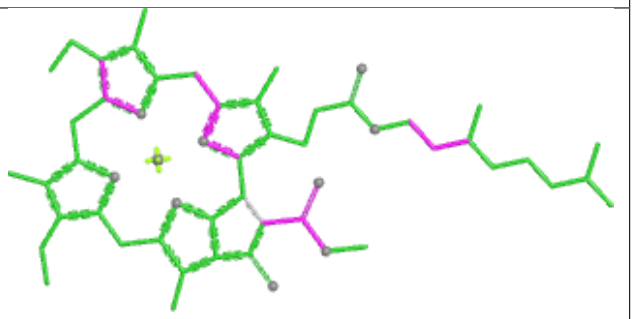

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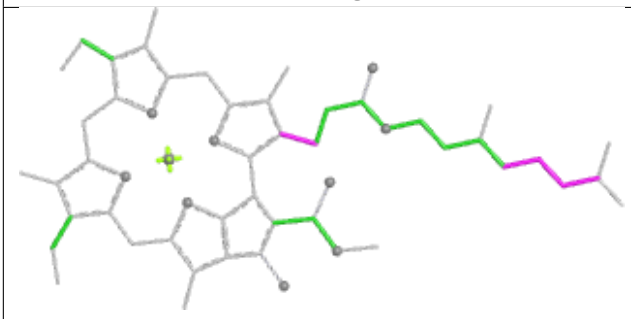

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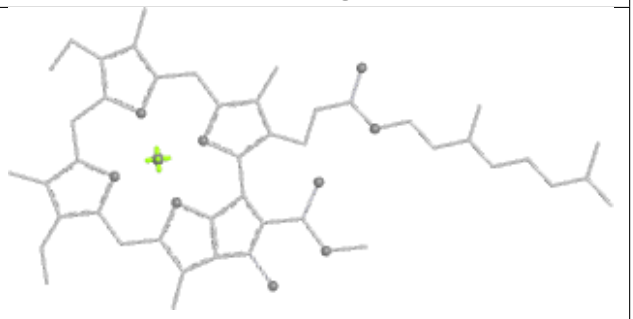
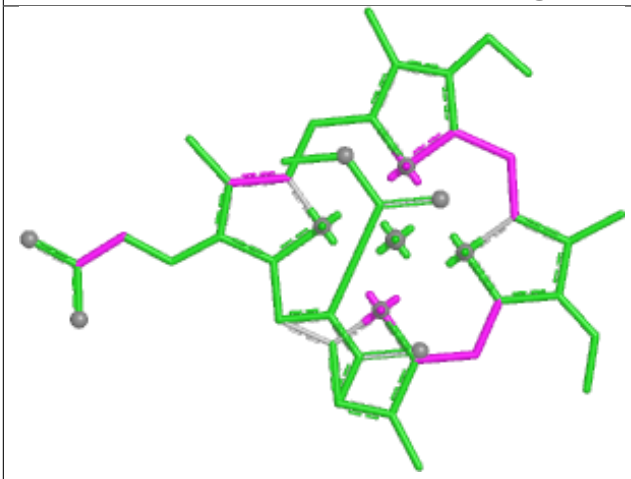


Rings

Ligand KC2 e 609



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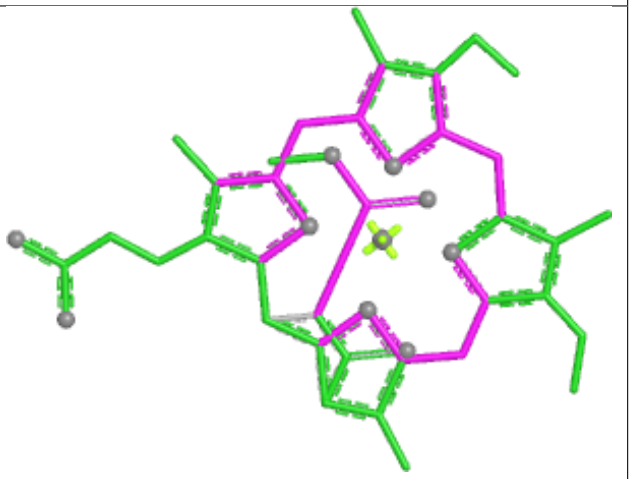

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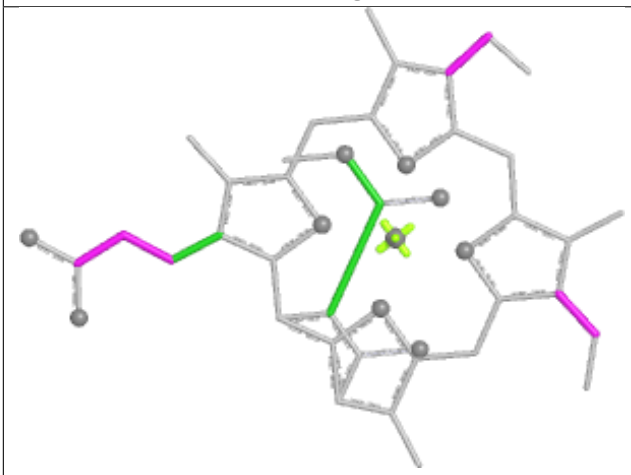

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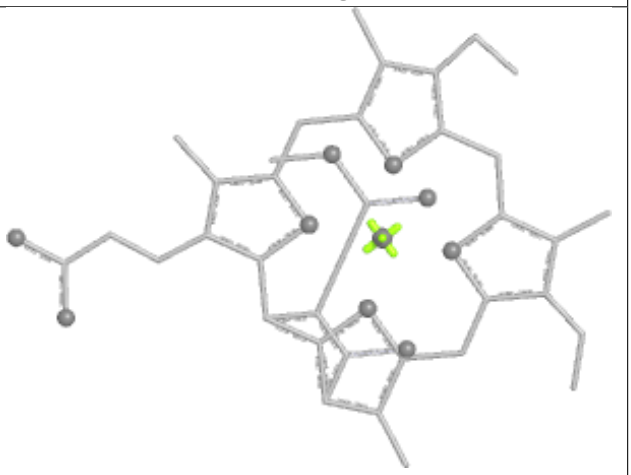
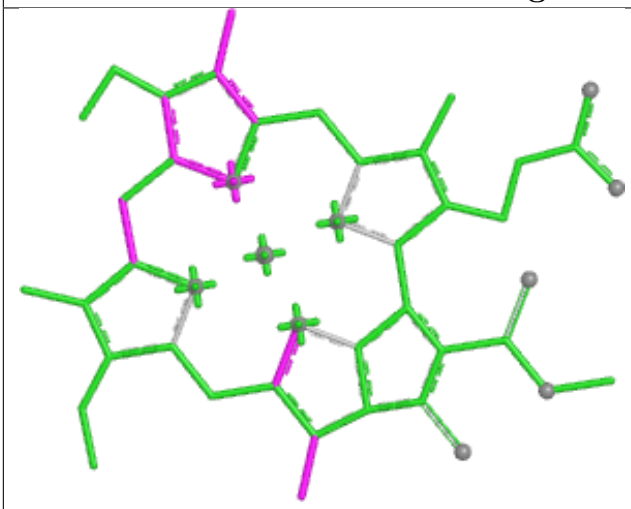


Rings

Ligand CLA 9 314



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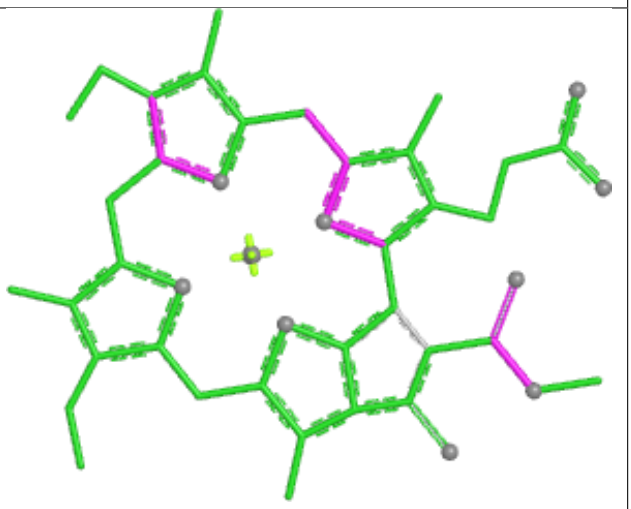

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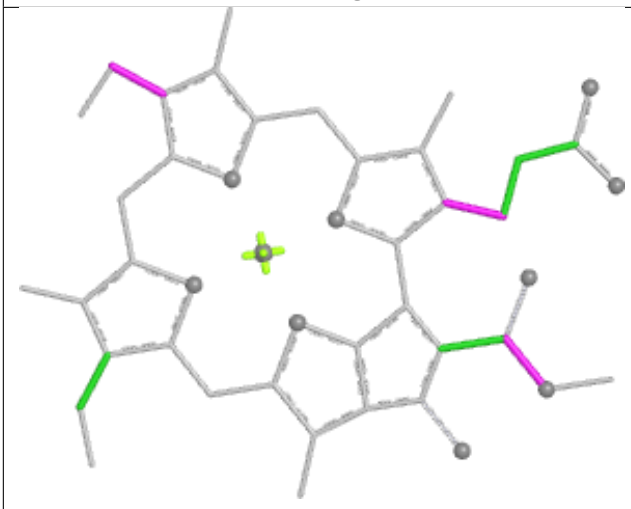
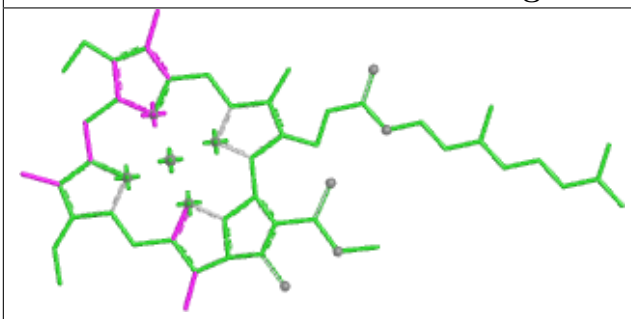


Torsions

Rings

Ligand CLA K 102



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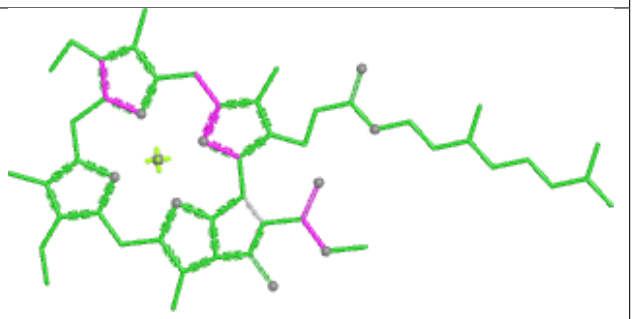

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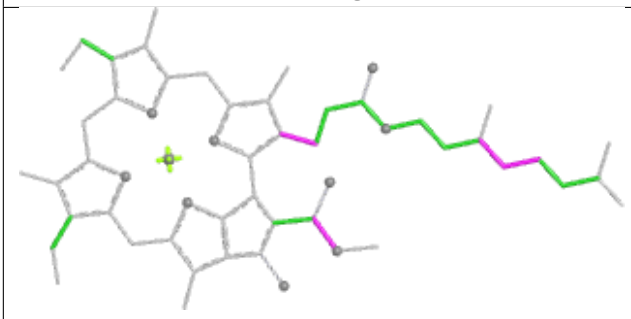

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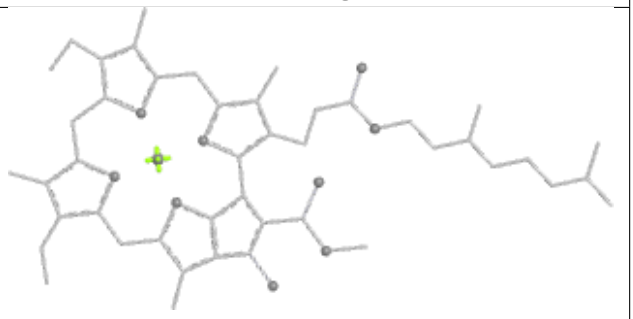
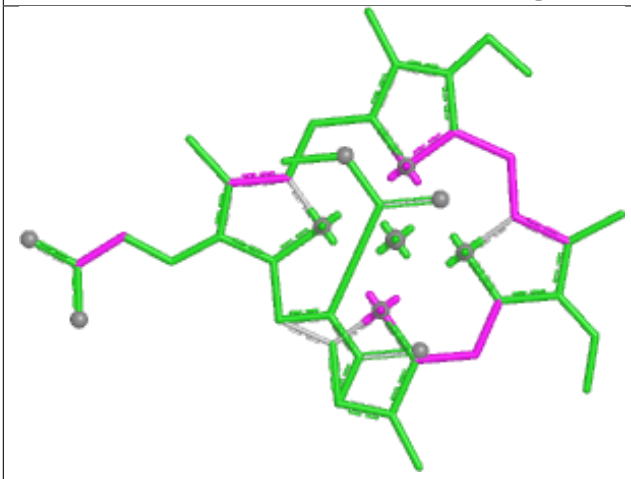


Rings

Ligand KC2 2 610



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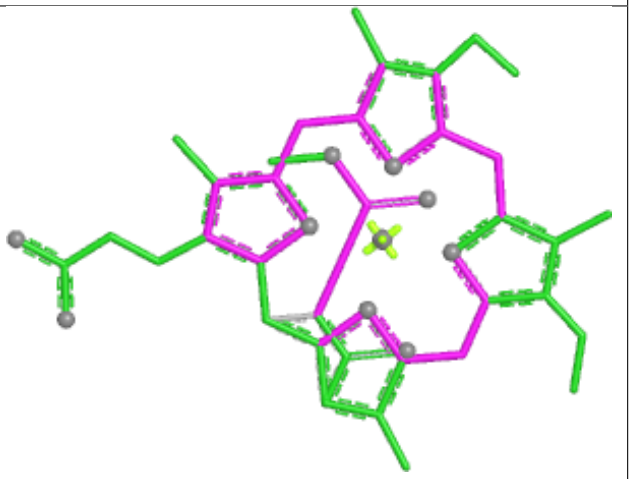

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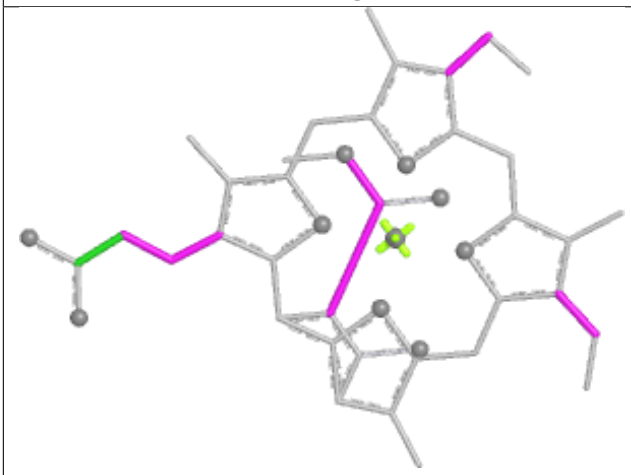

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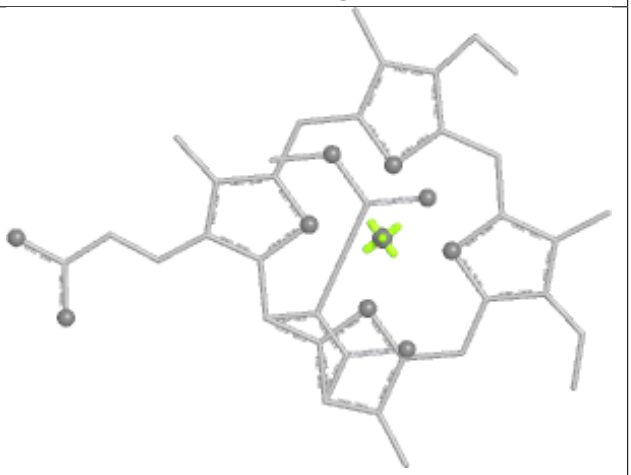
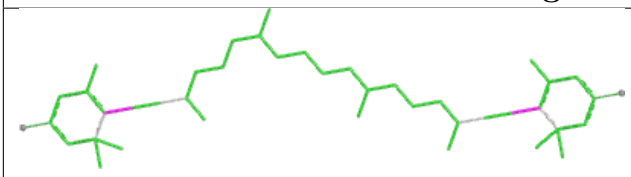


Rings

Ligand II0 3 315



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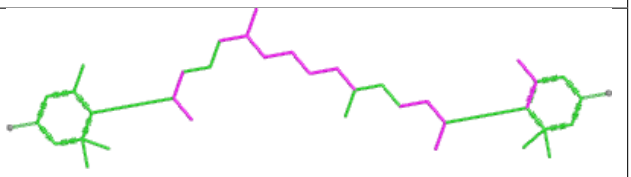

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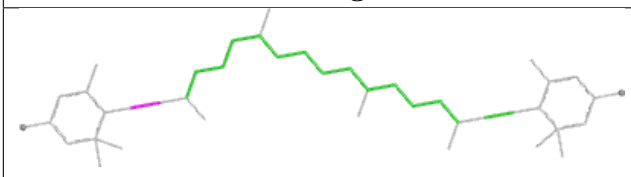

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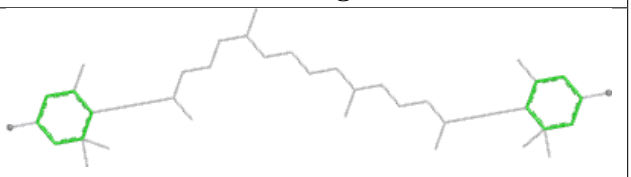
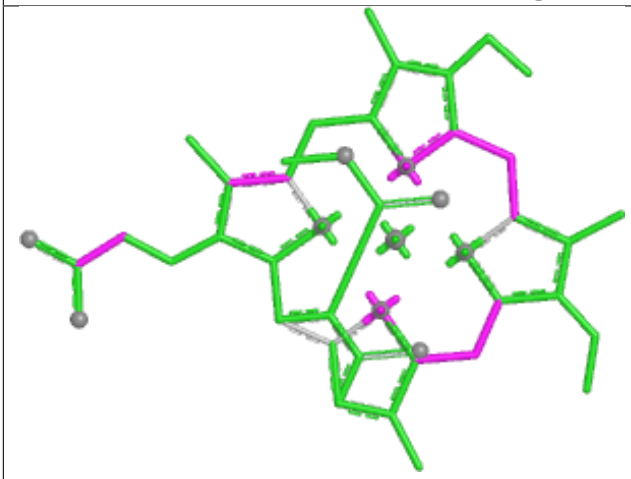


Rings

Ligand KC2 7 310



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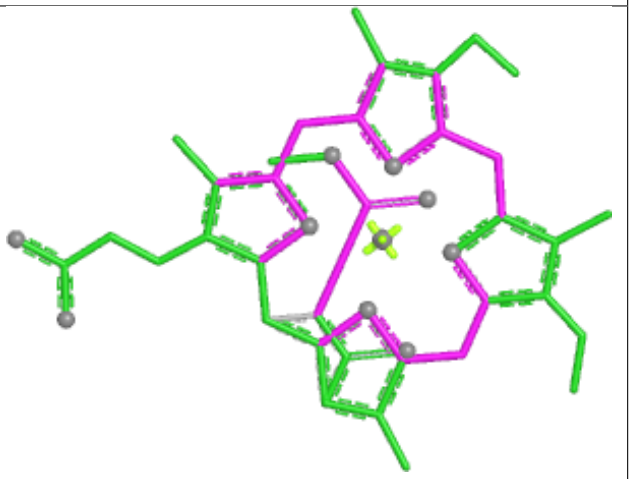

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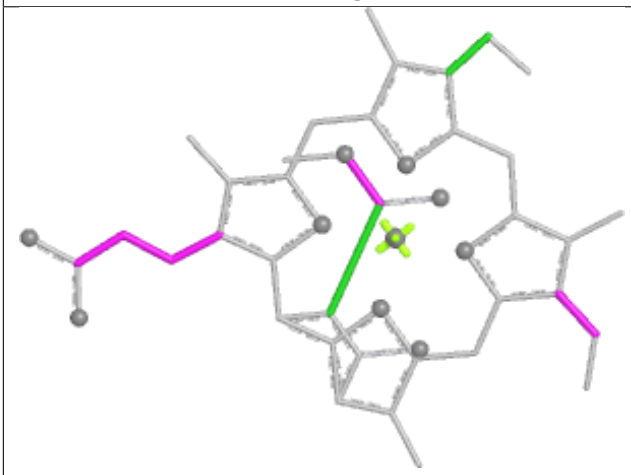

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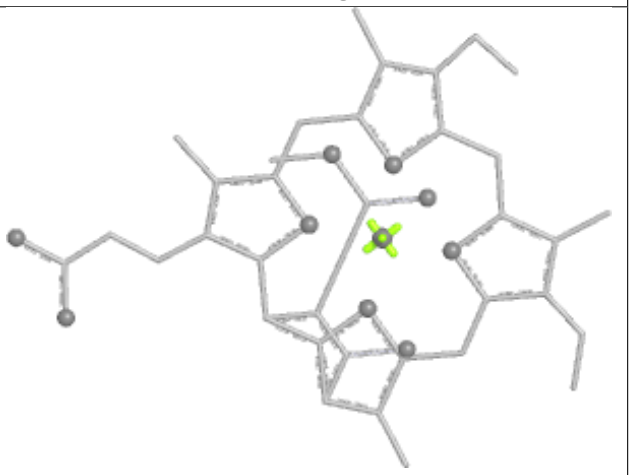
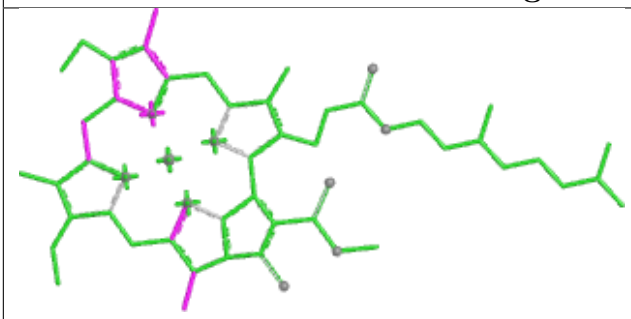
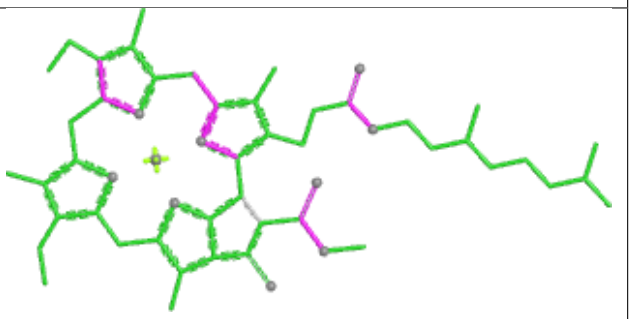


Rings

Ligand CLA A 802	
	
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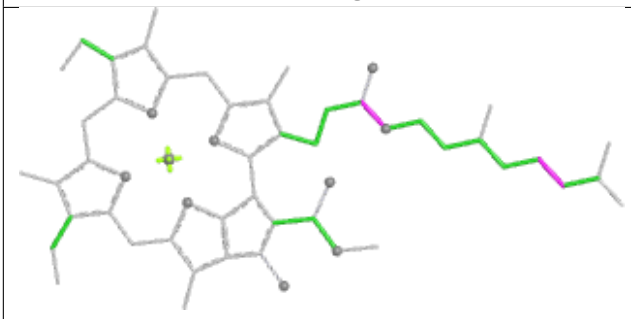
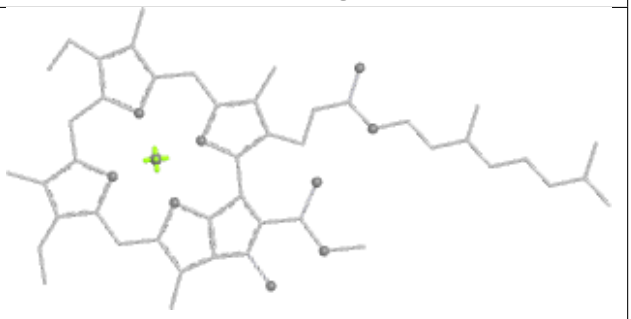
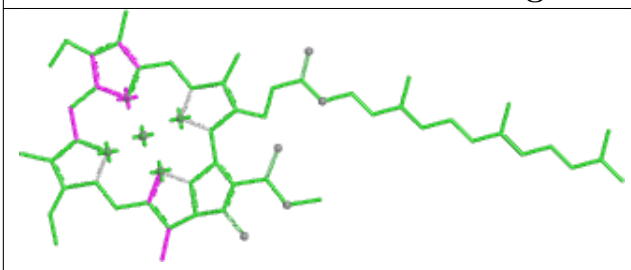
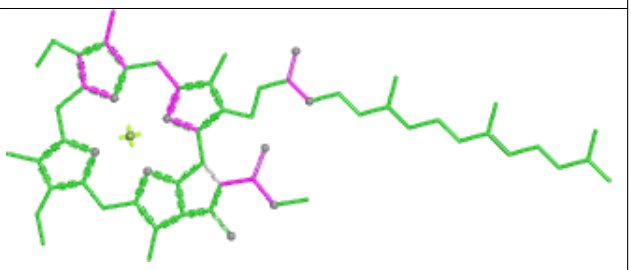
	
Torsions	Rings

Ligand CLA L 202	
	
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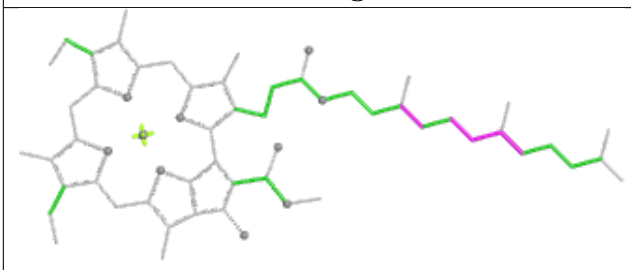
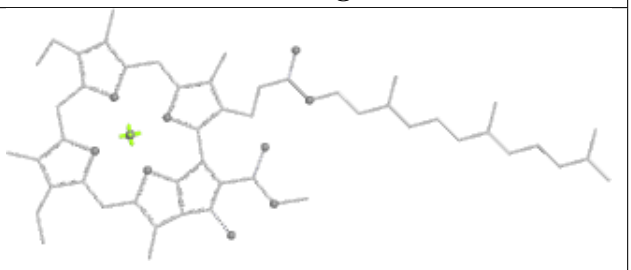
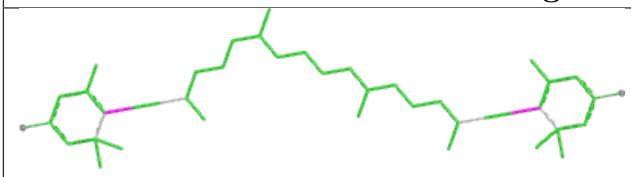
	
Torsions	Rings

Ligand II0 7 314



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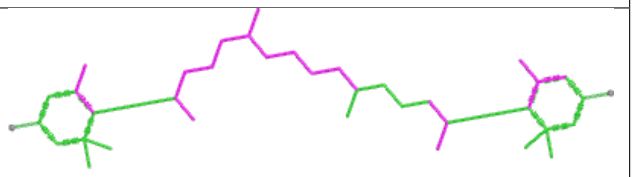
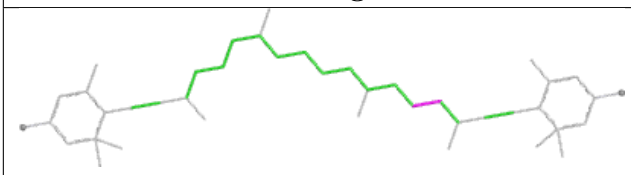
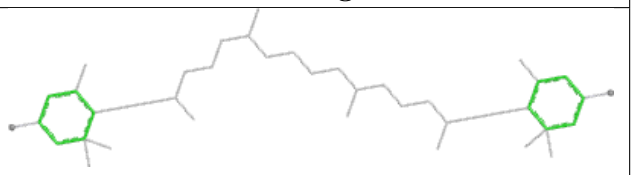


Bond angles

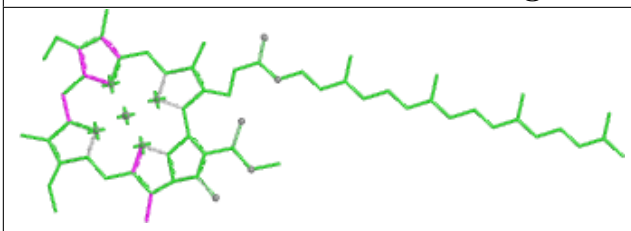


Torsions



Rings

Ligand CLA A 826



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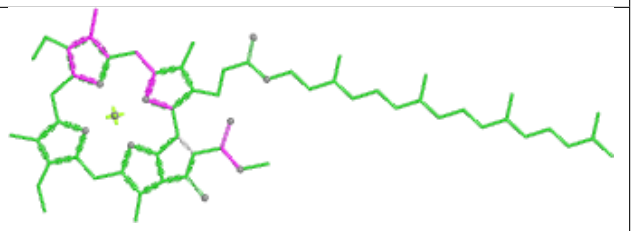

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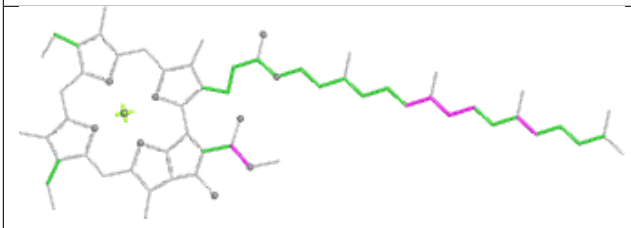
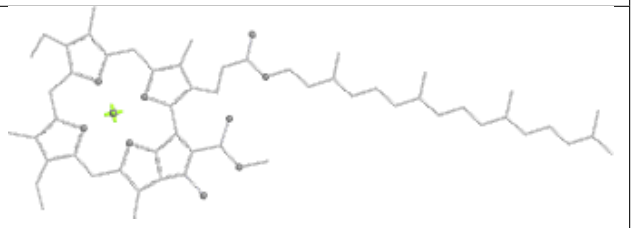
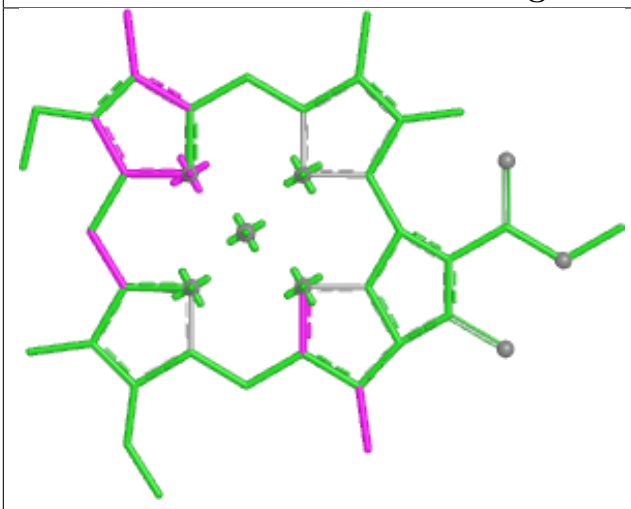


Torsions



Rings

Ligand CLA 9 312



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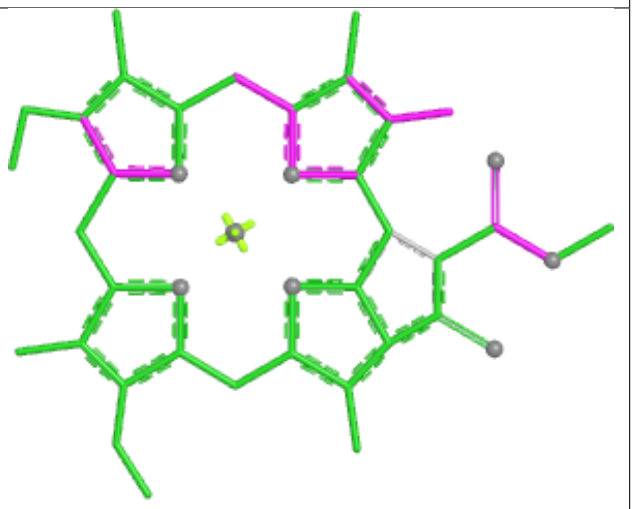
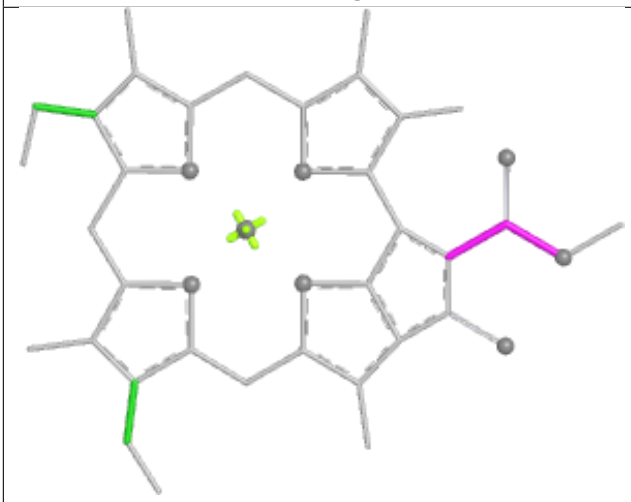


Bond angles



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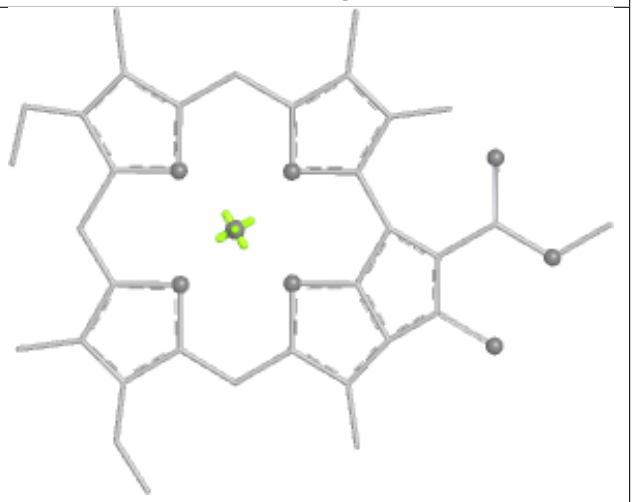
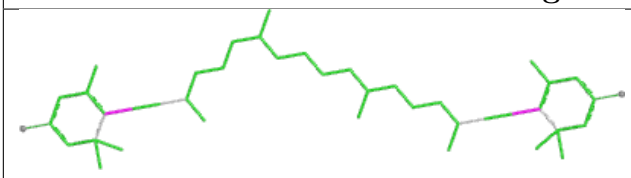


Rings

Ligand II0 7 317



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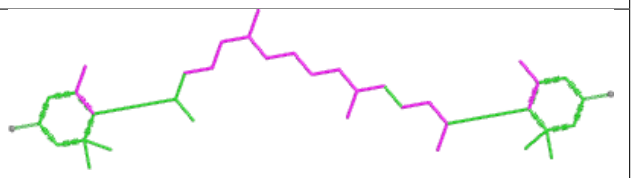

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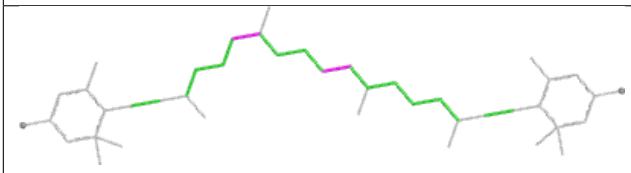

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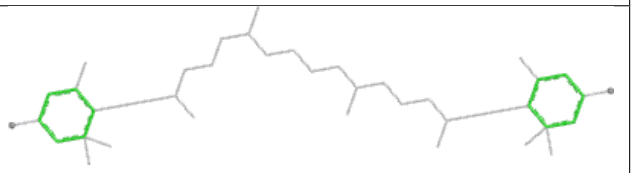
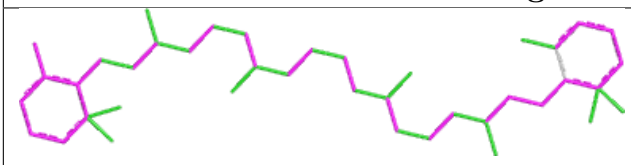


Rings

Ligand 8CT B 848



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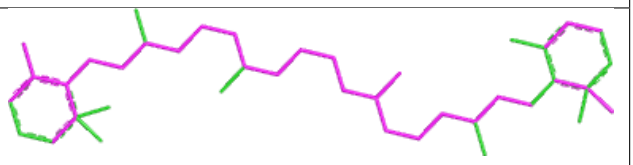
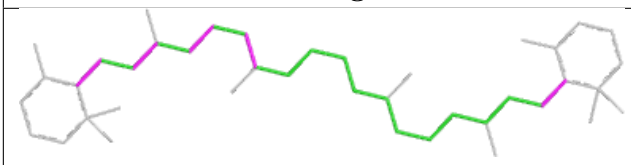


Bond angles



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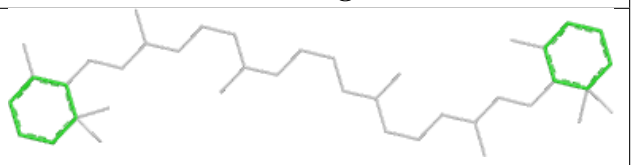
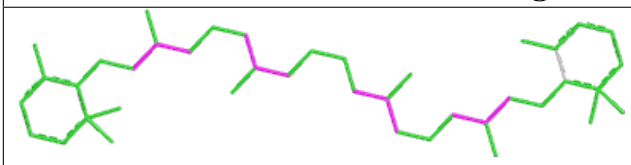


Rings

Ligand 8CT 4 616



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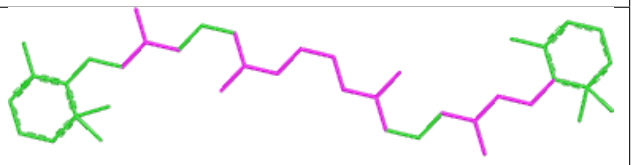

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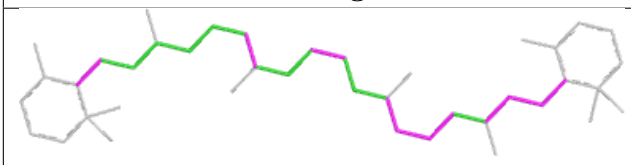

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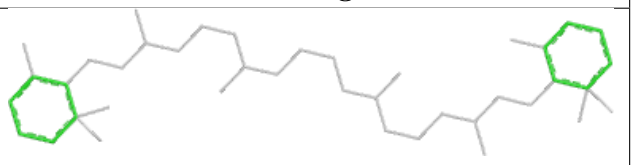
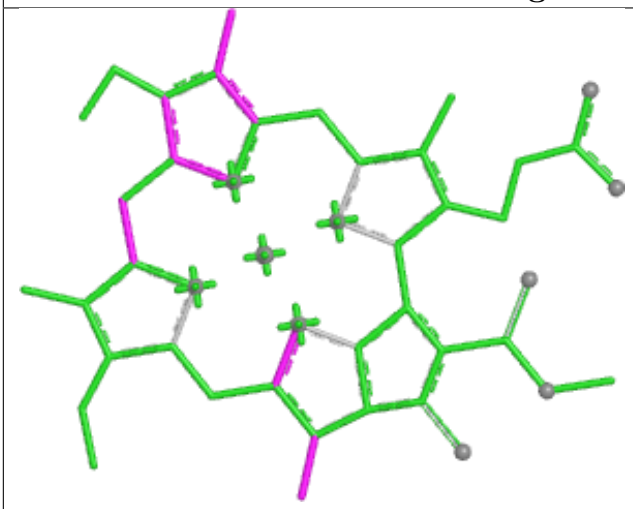


Rings

Ligand CLA 1 601



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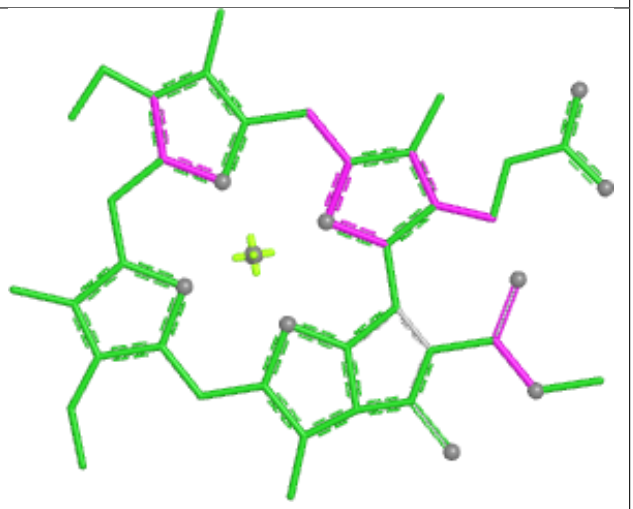

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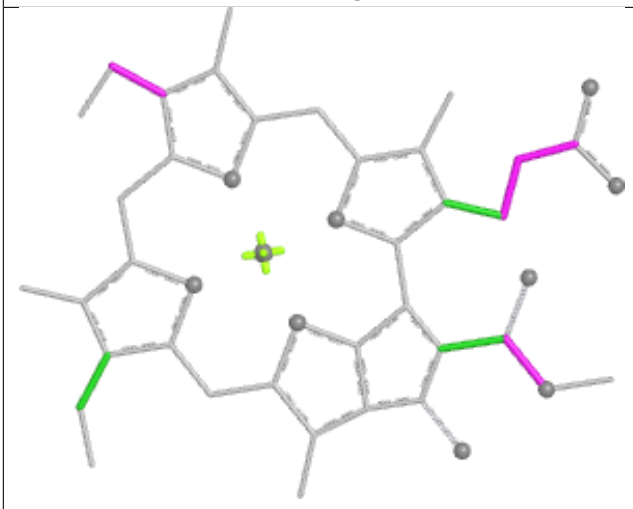

Torsions

Rings

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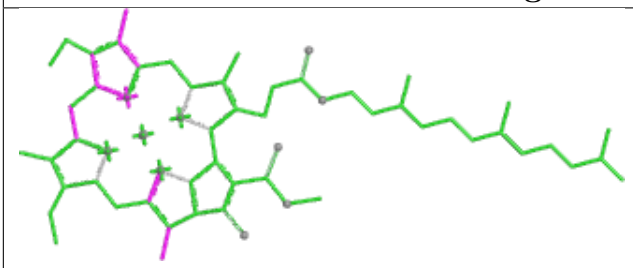

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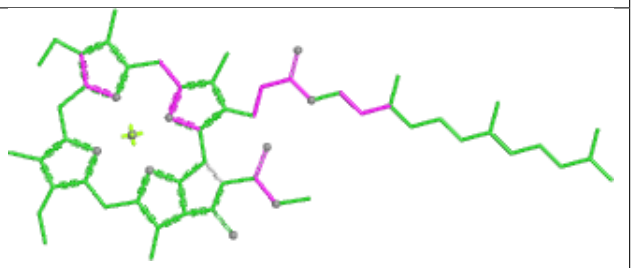

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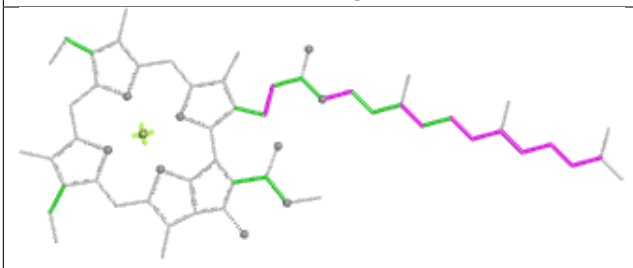
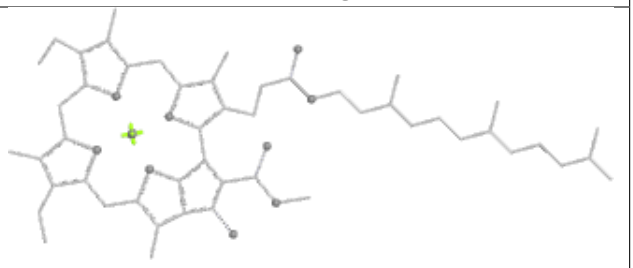


Torsions



Rings

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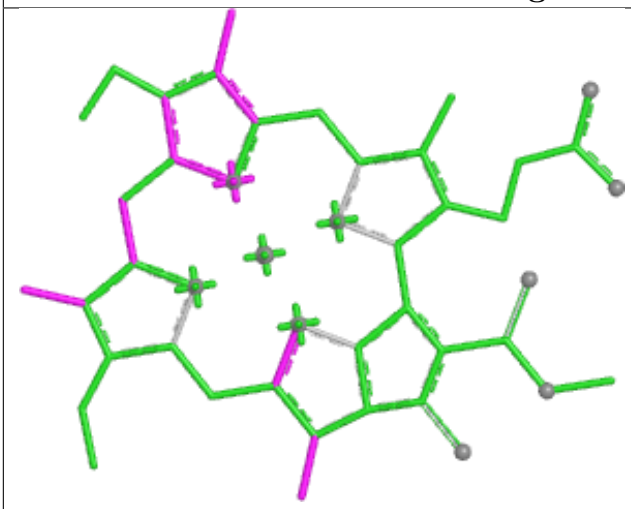

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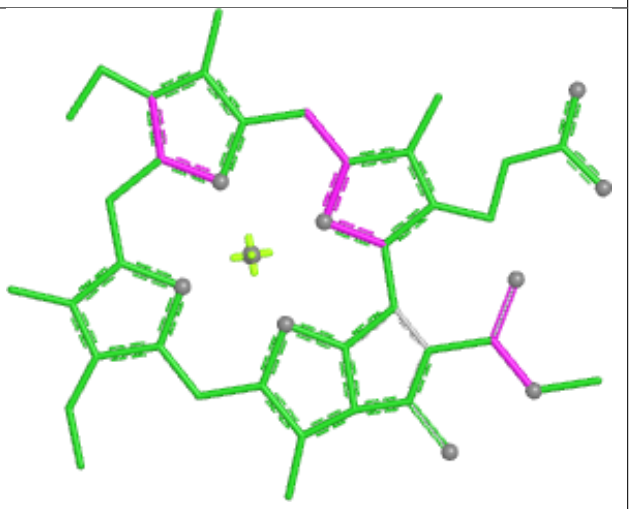

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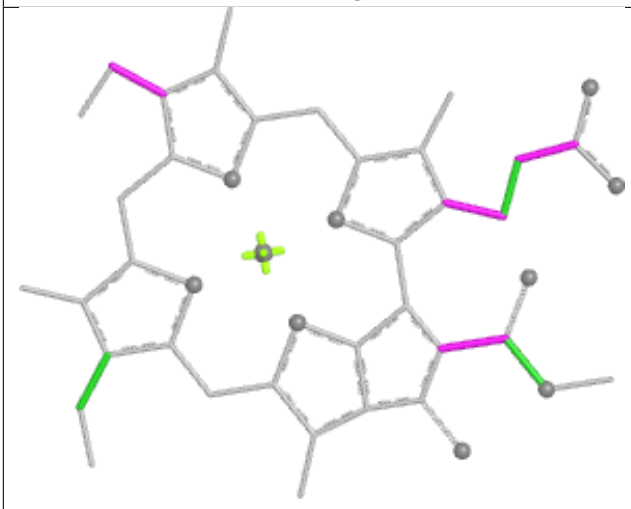
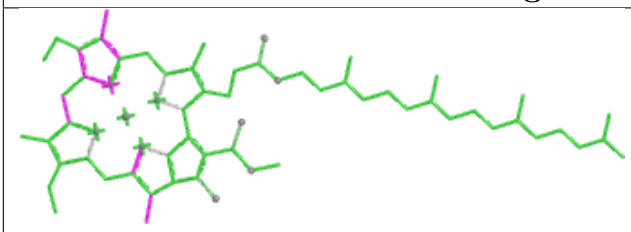


Torsions

Rings

Ligand CLA A 818



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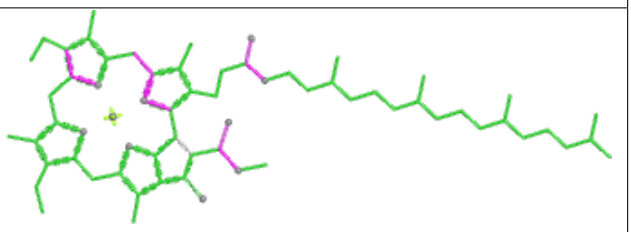

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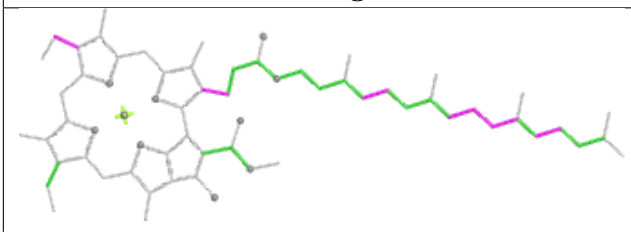

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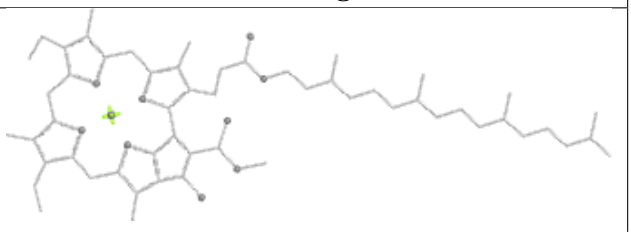
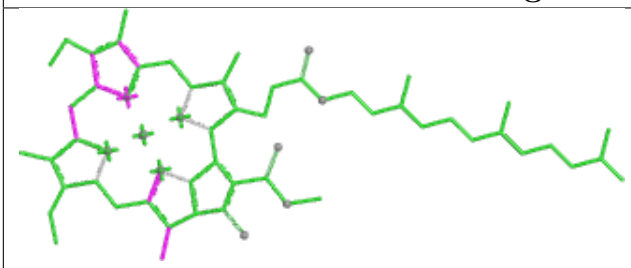


Rings

Ligand CLA B 831



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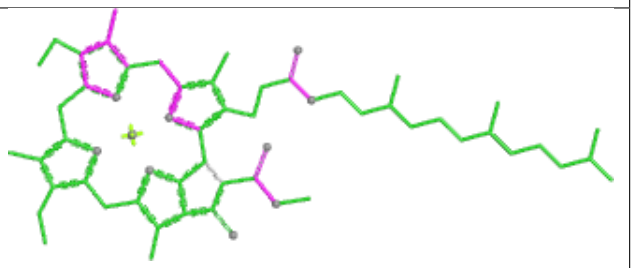

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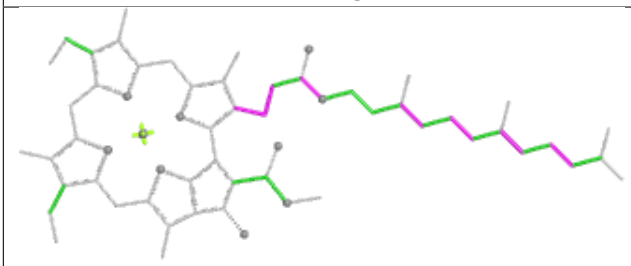

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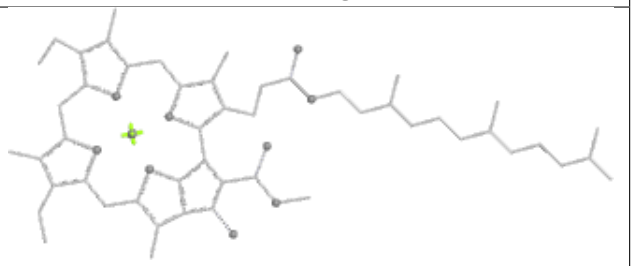
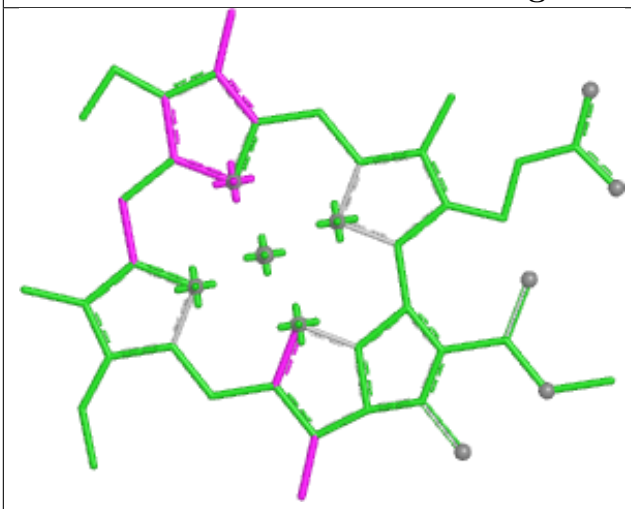


Rings

Ligand CLA 7 306



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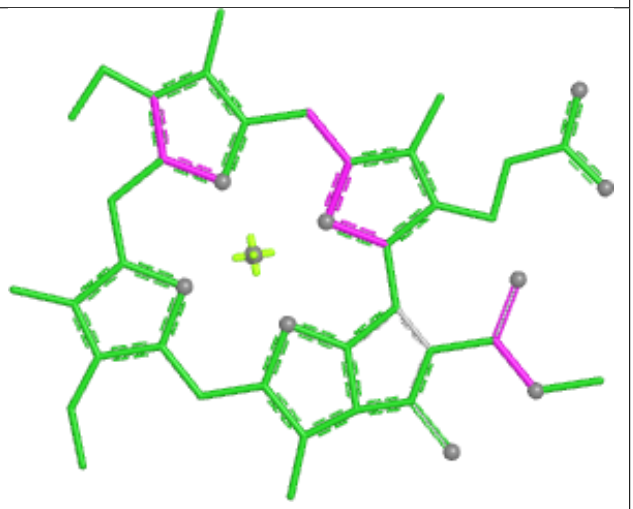

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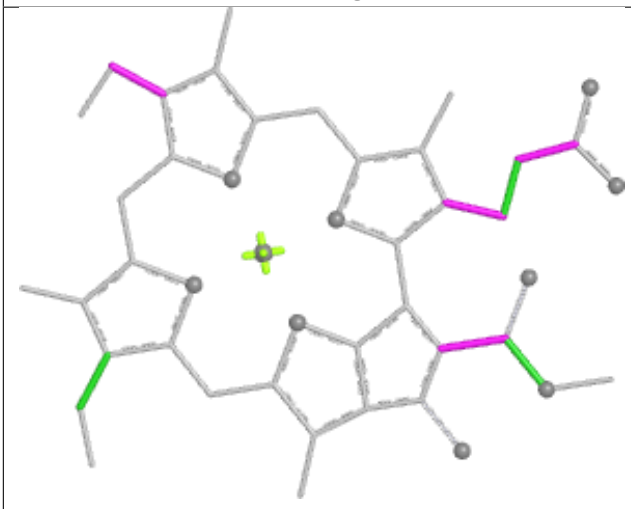
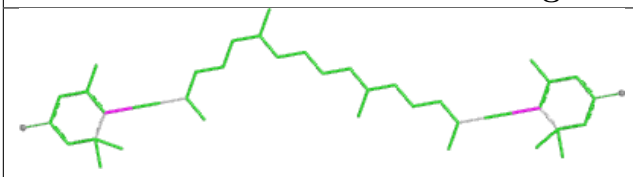


Torsions

Rings

Ligand II0 3 318



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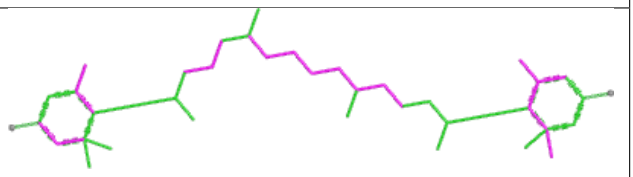

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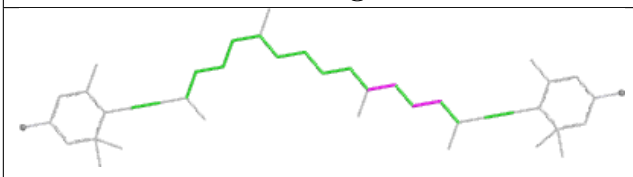

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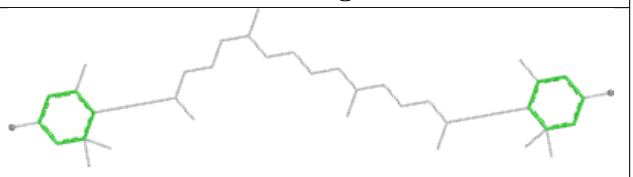
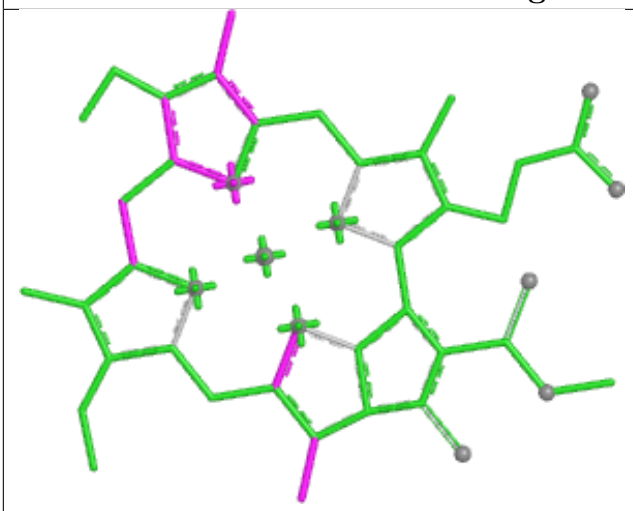


Rings

Ligand CLA 6 603



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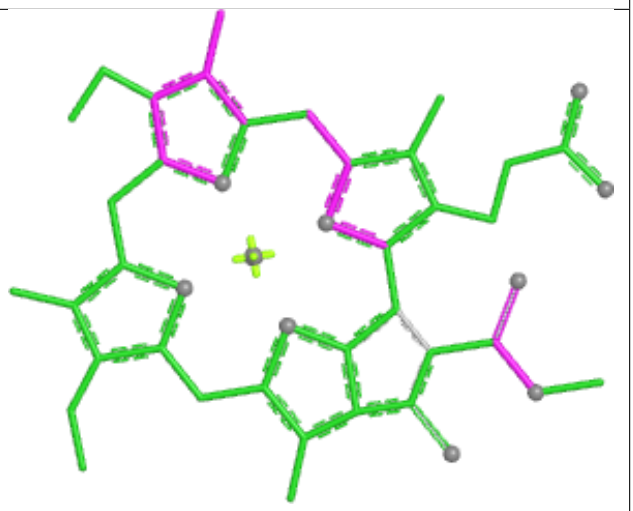
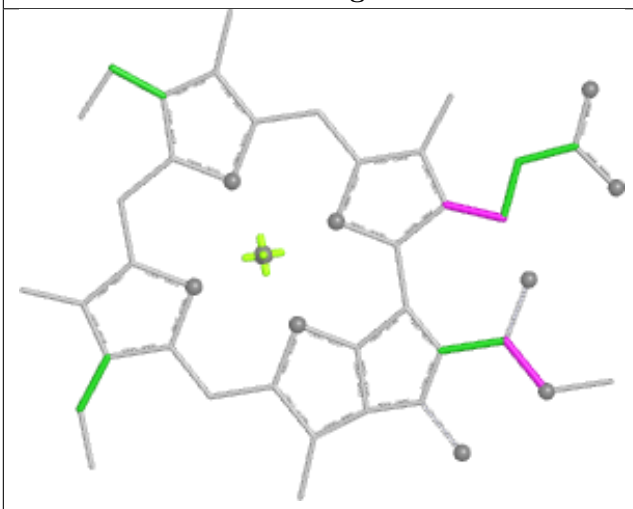
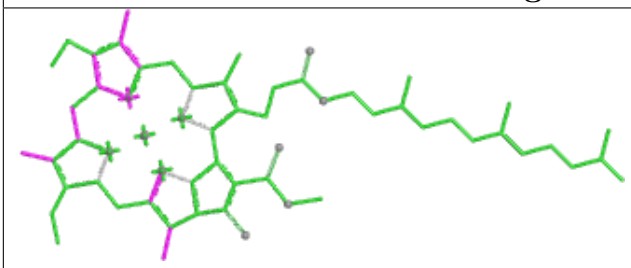
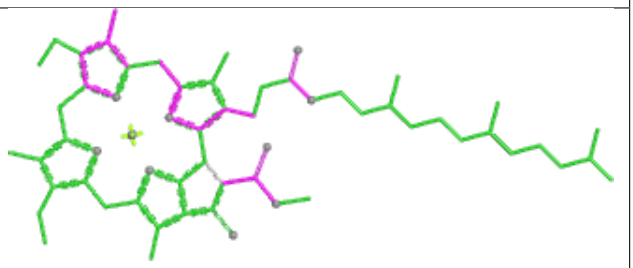
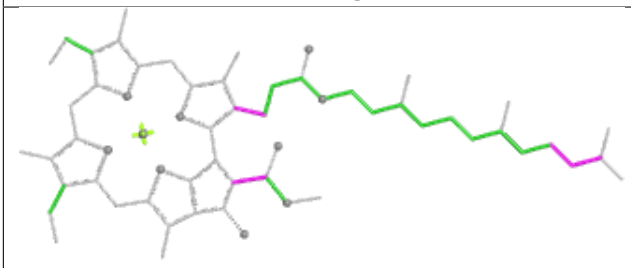
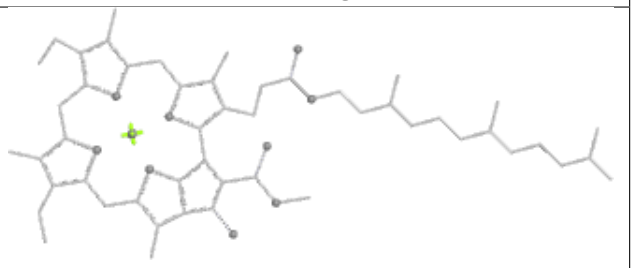


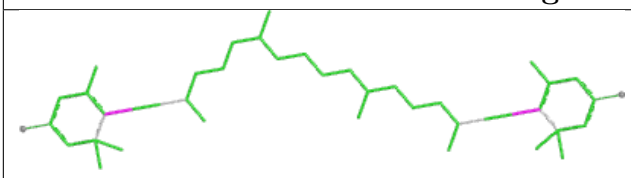
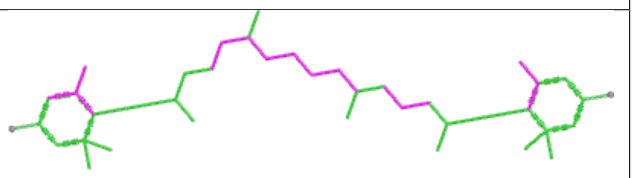
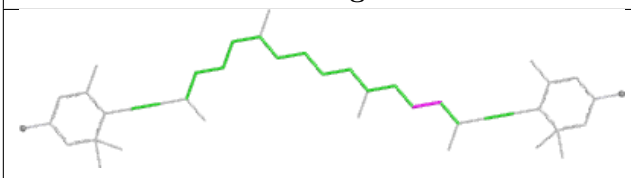
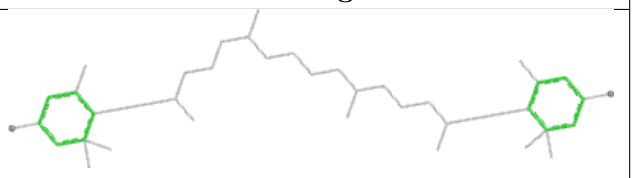
Bond angles



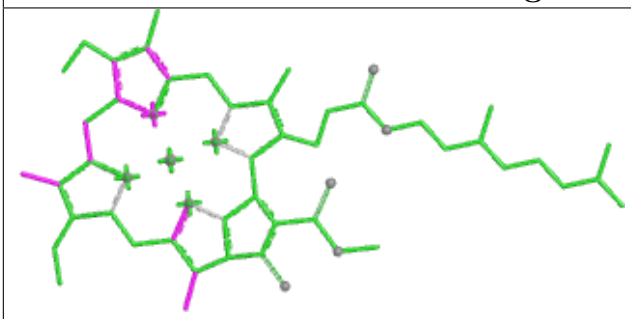
Torsions

Rings

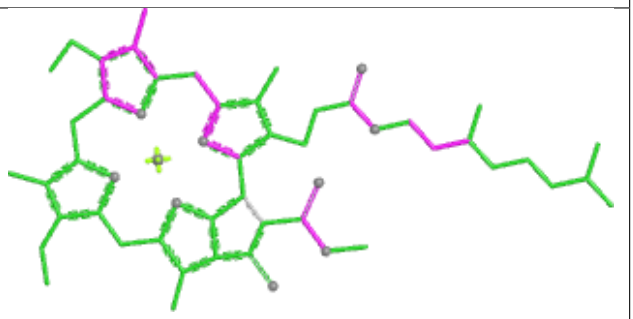
Ligand CLA B 825	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand II0 d 615	
	
Bond lengths	Bond angles
	
Torsions	Rings

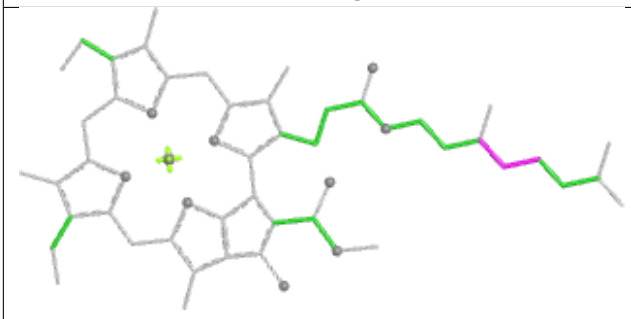
Ligand CLA B 835



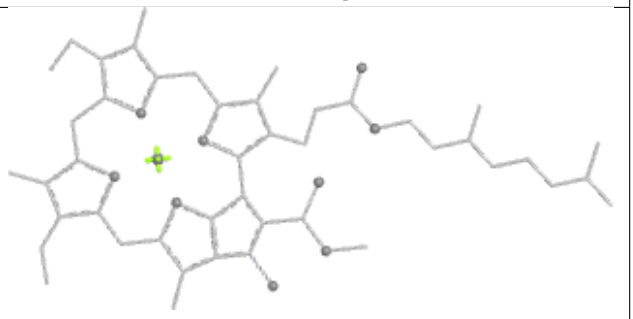
Bond lengths



Bond angles

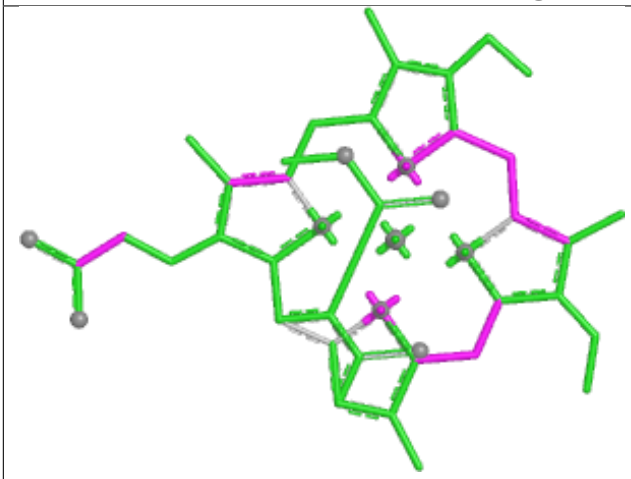


Torsions



Rings

Ligand KC2 6 613



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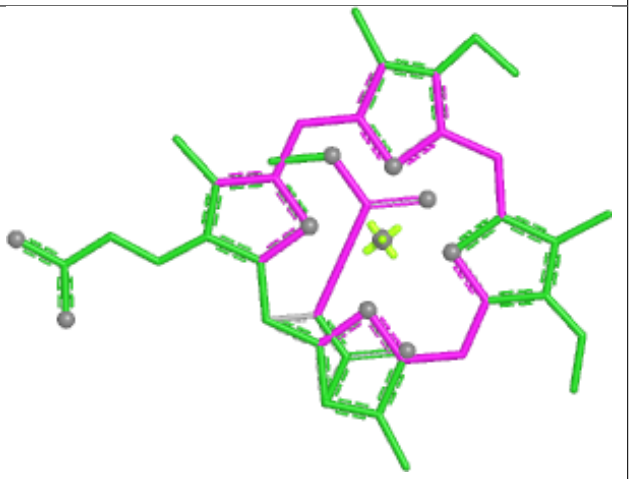

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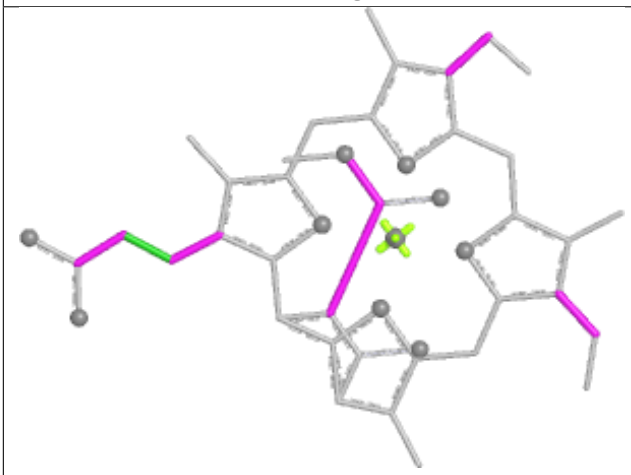

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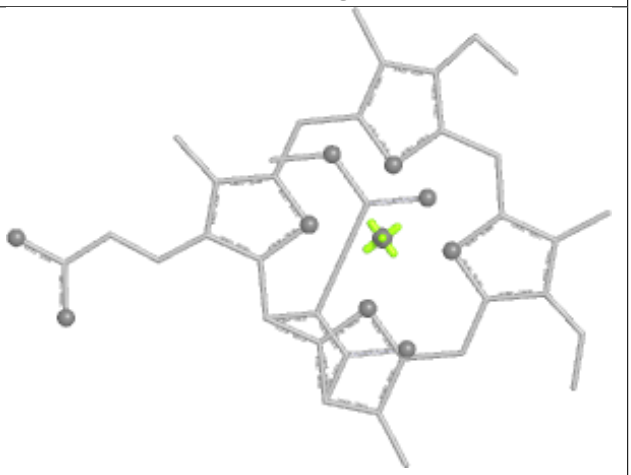
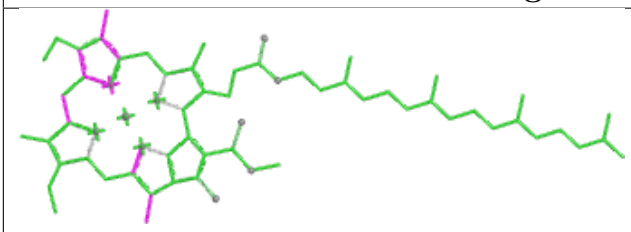


Rings

Ligand CLA B 810



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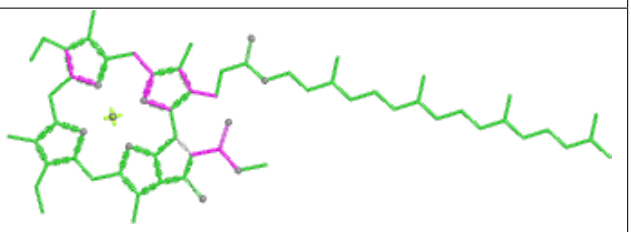
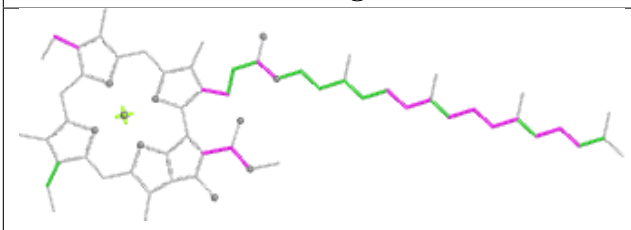


Bond angles



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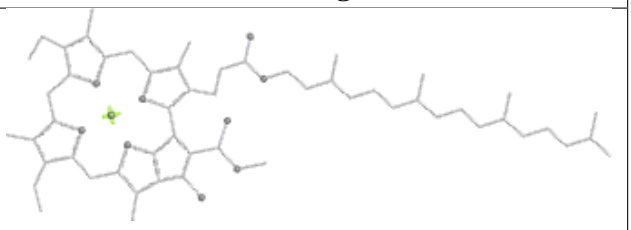
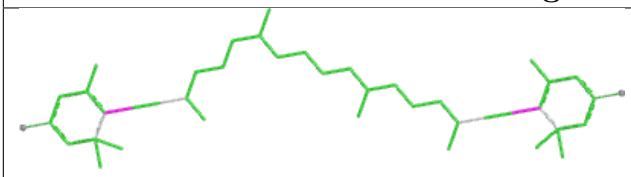


Rings

Ligand II0 7 315



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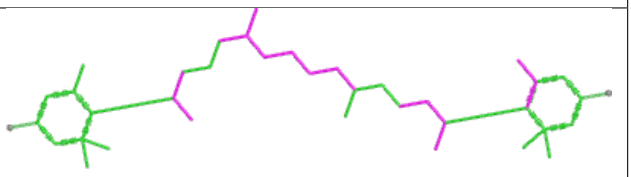

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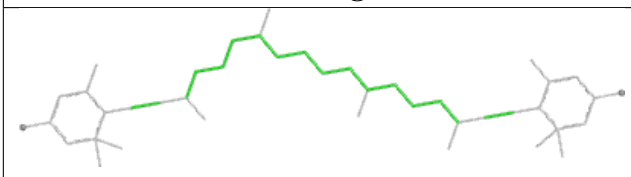

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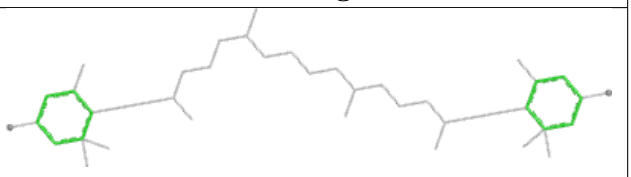
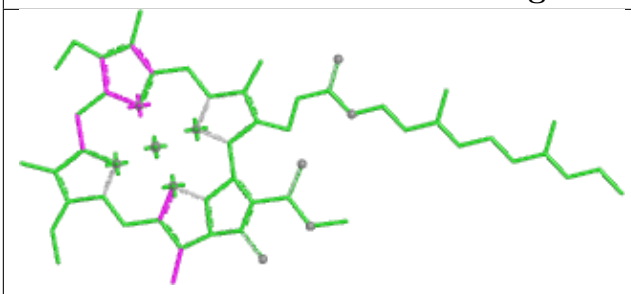


Rings

Ligand CLA 9 307



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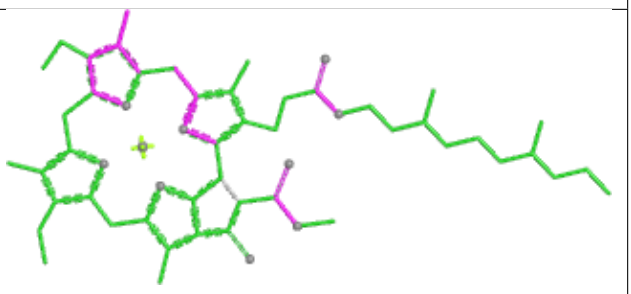

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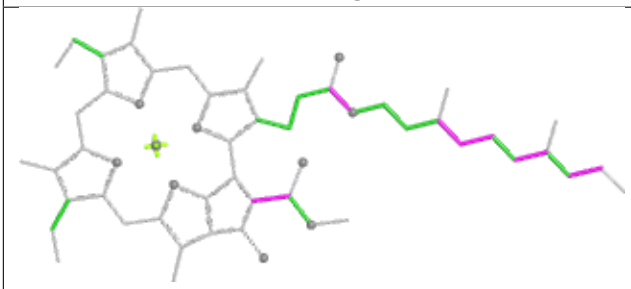

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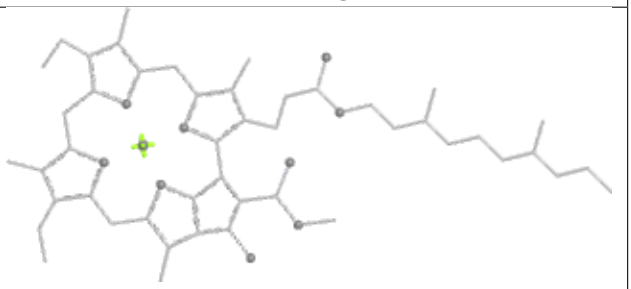
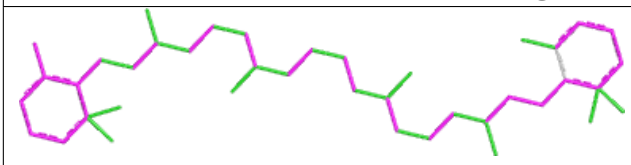


Rings

Ligand 8CT I 101



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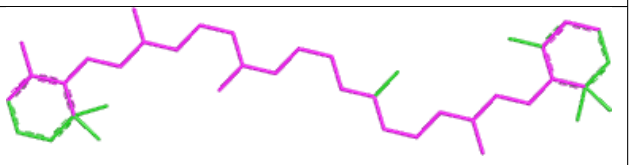

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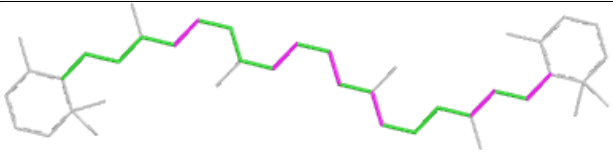

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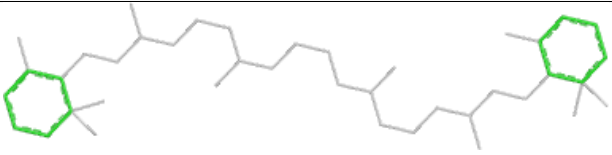
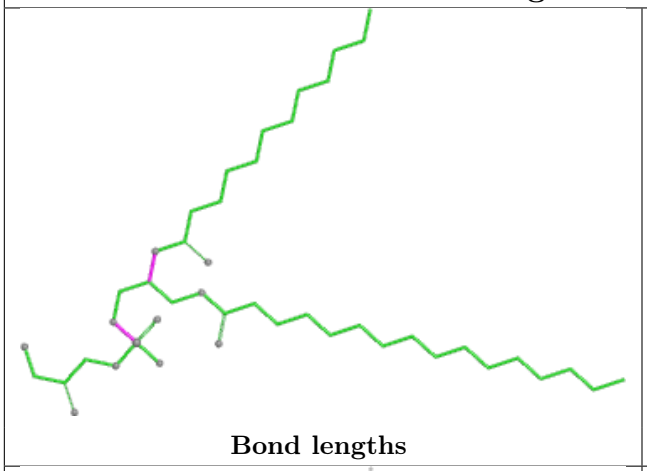


Rings

Ligand LHG 4 620



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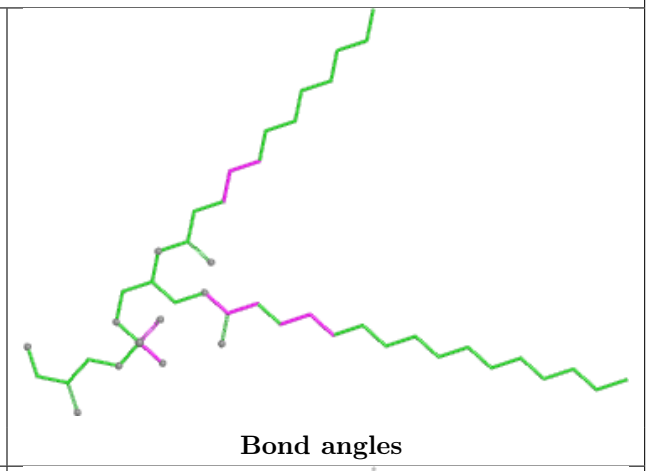
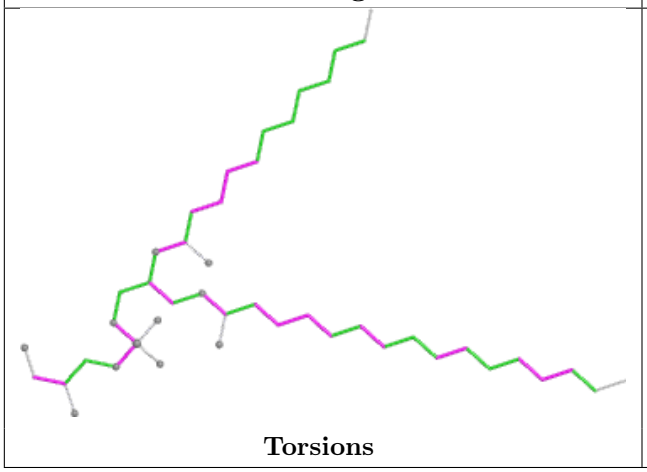


Bond angles



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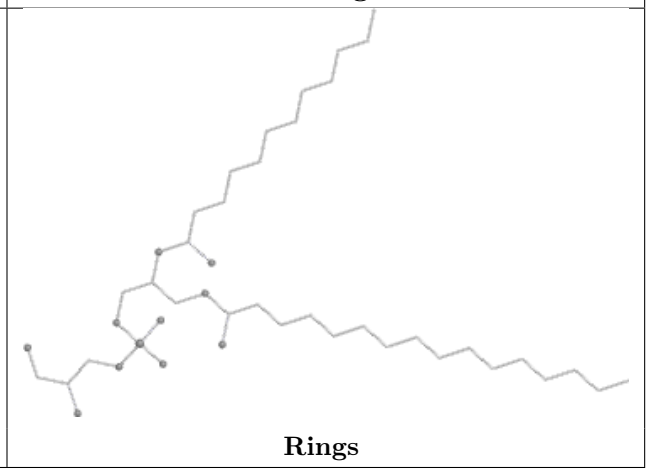
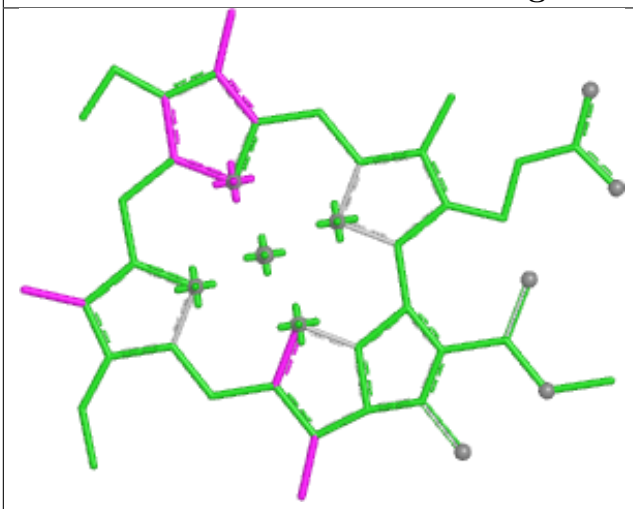


Rings

Ligand CLA 7 307



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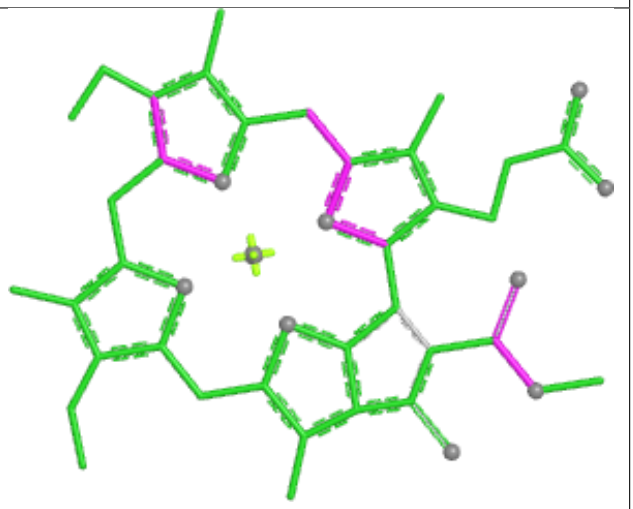

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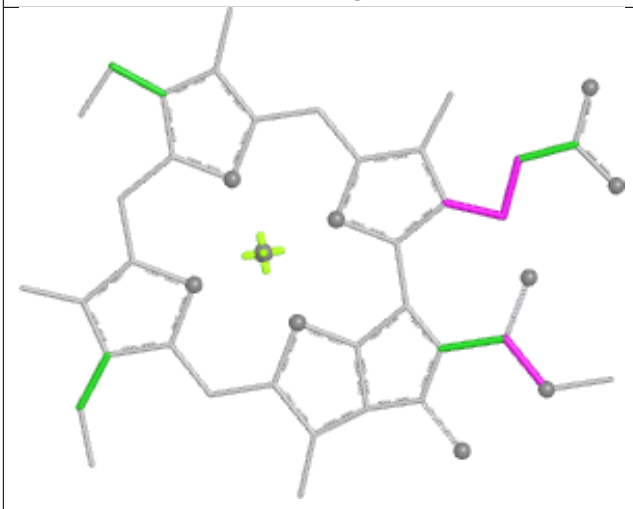
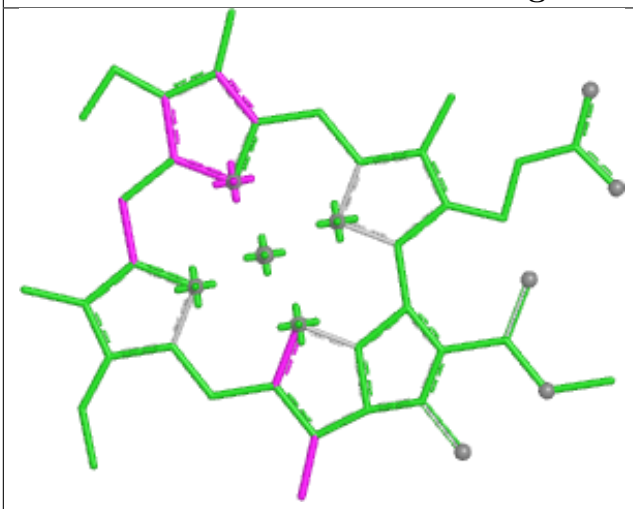


Torsions

Rings

Ligand CLA 5 611



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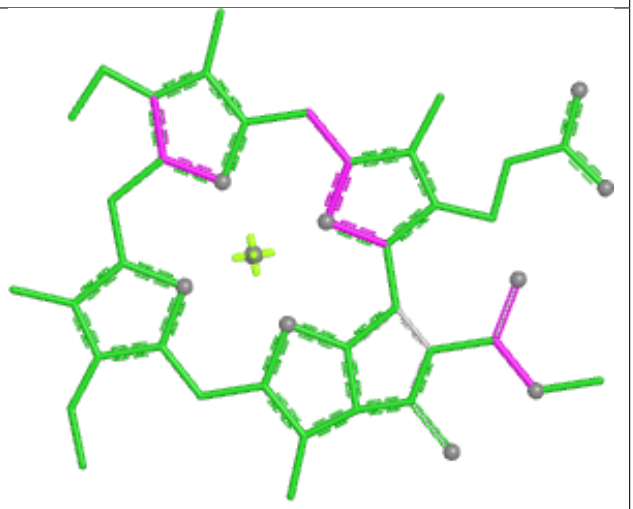

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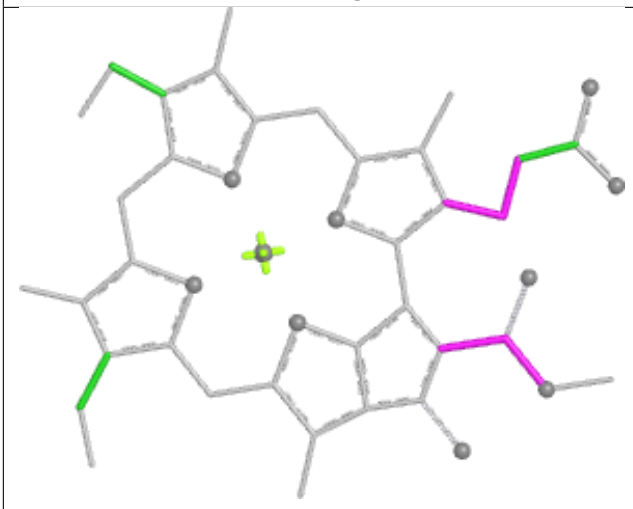
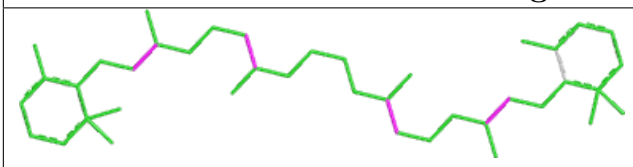


Torsions

Rings

Ligand 8CT b 615



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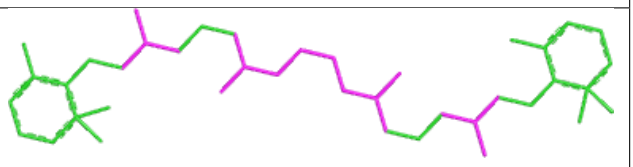
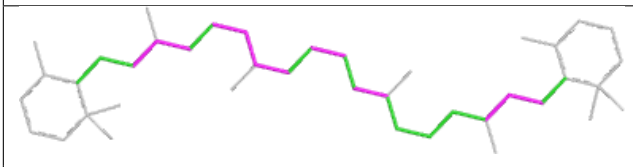


Bond angles



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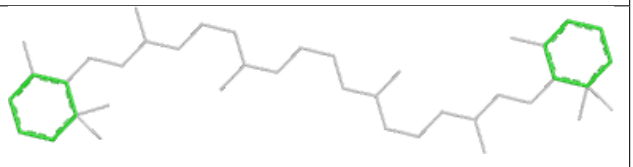
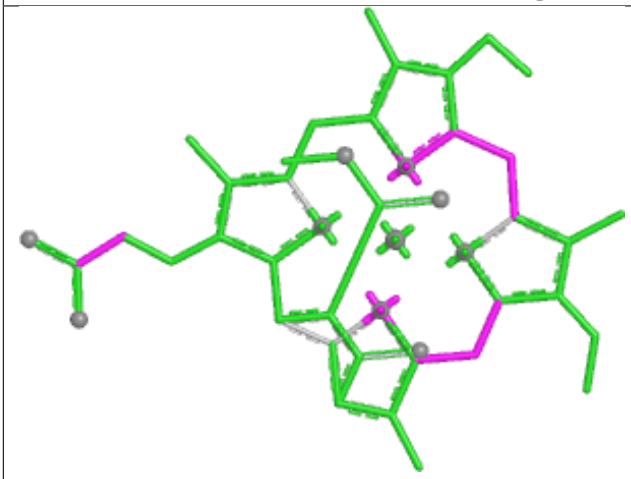


Rings

Ligand KC2 c 614



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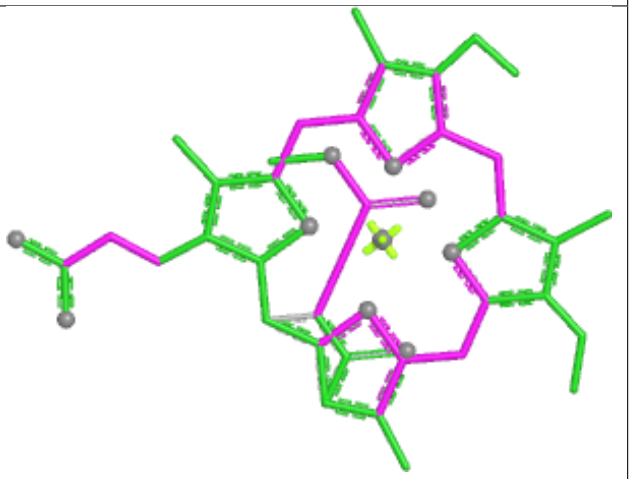
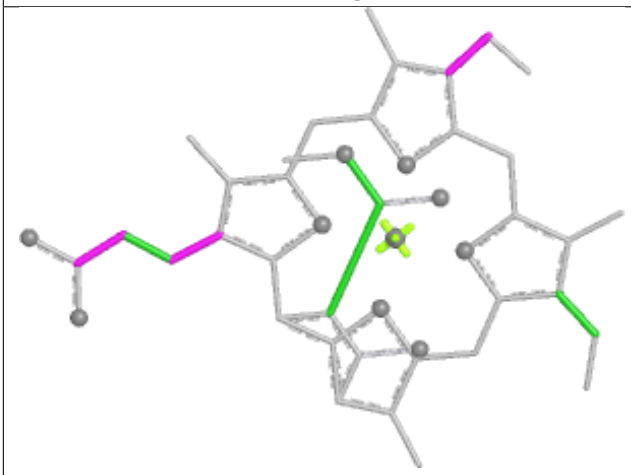


Bond angles



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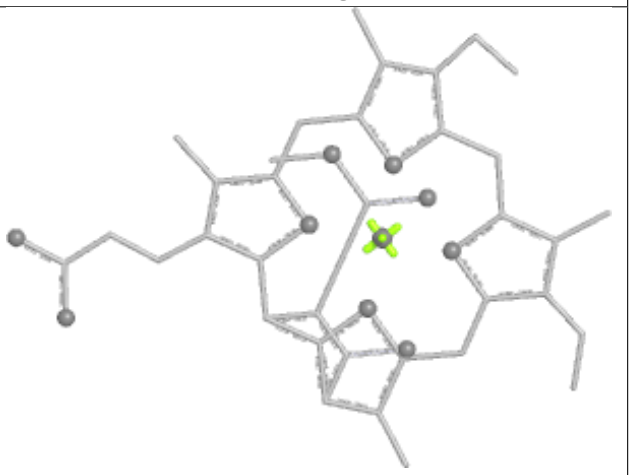
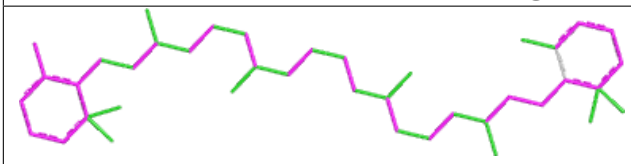


Rings

Ligand 8CT B 851



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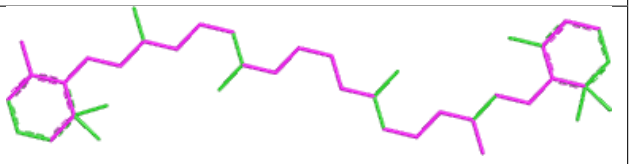
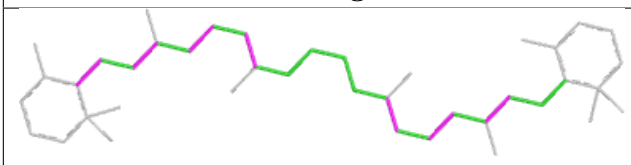
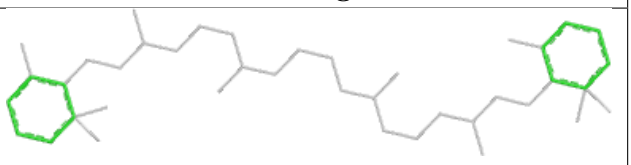


Bond angles

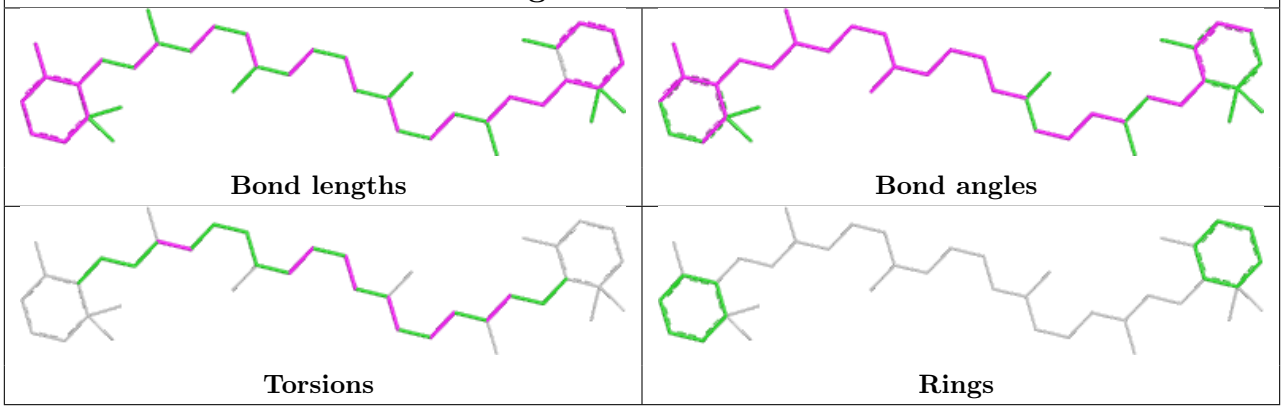


Torsions

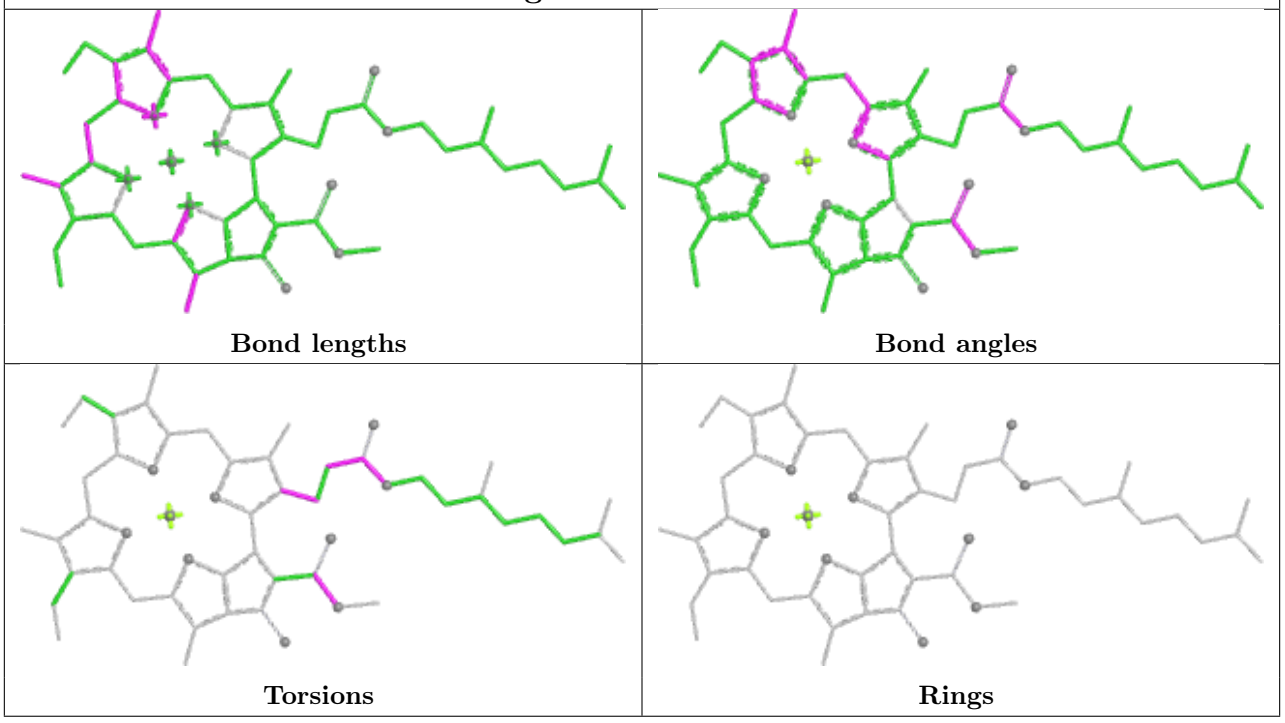


Rings

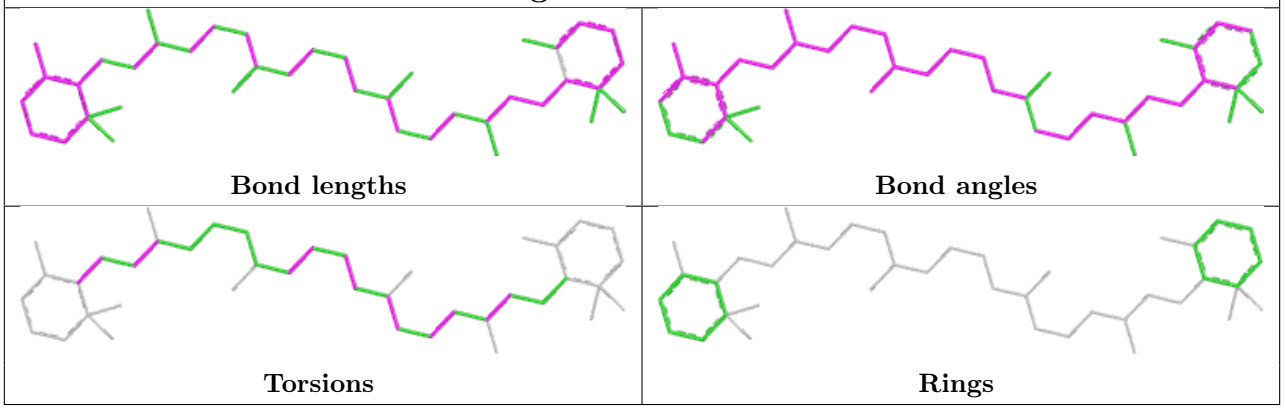
Ligand 8CT B 844



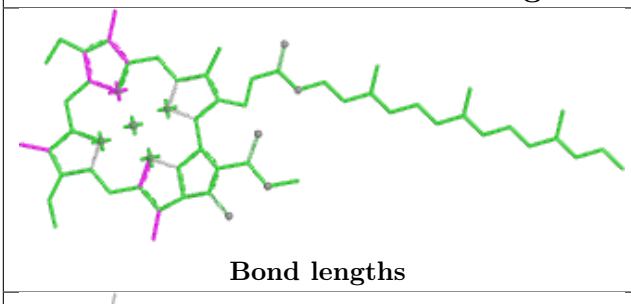
Ligand CLA O 204



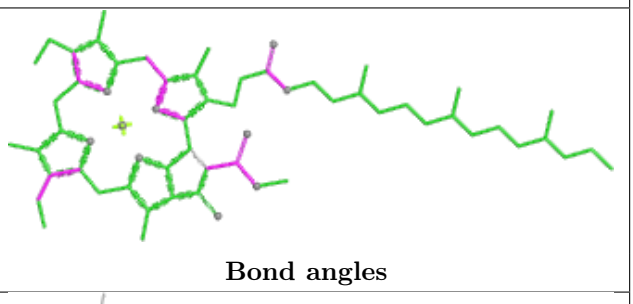
Ligand 8CT L 205



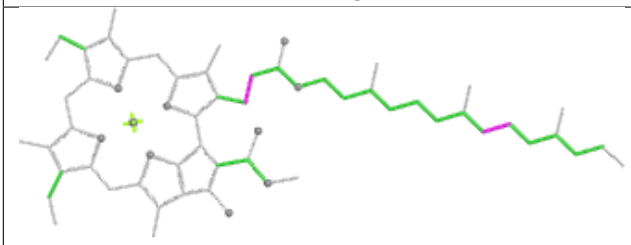
Ligand CLA A 815



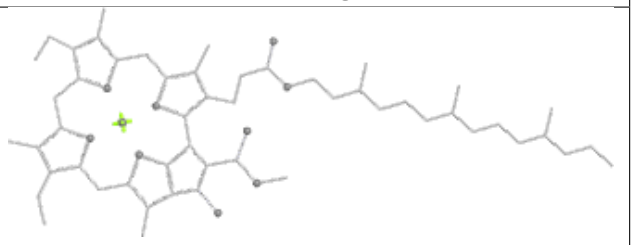
Bond lengths



Bond angles

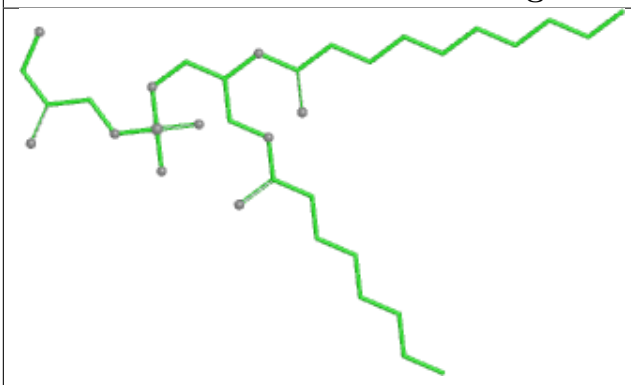


Torsions



Rings

Ligand LHG 1 619



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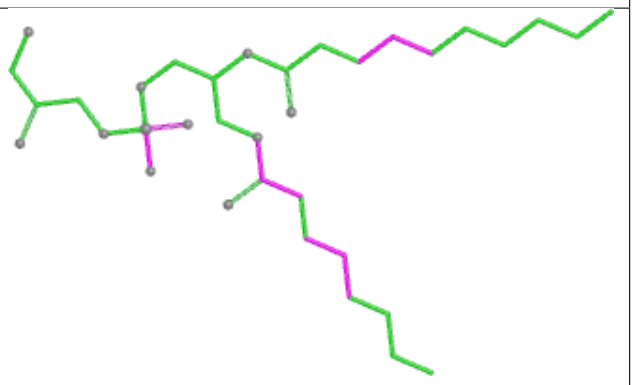
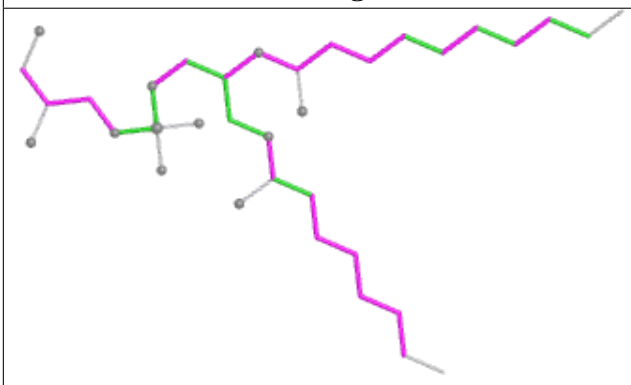


Bond angles



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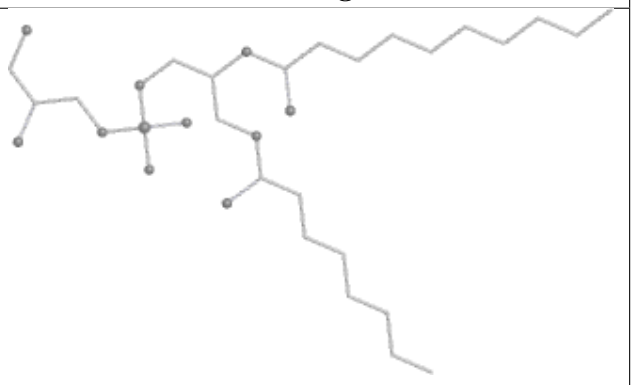
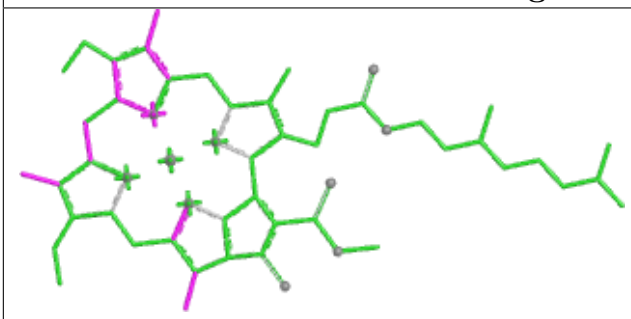
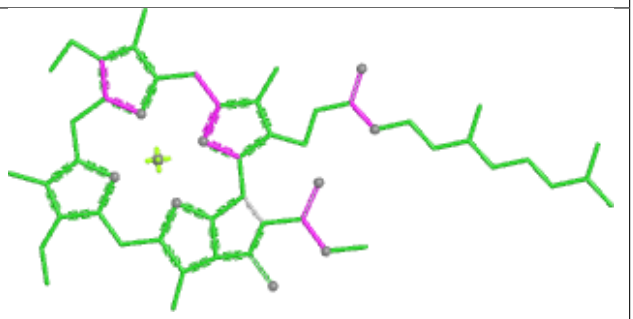


Rings

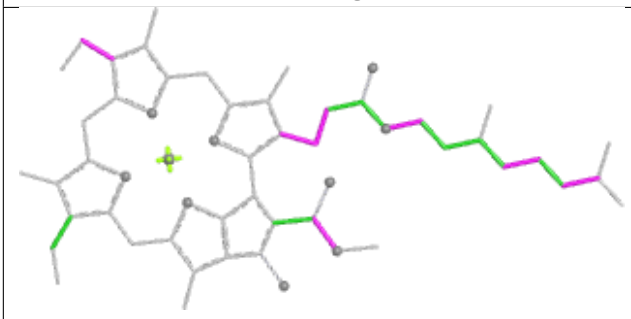
Ligand CLA a 602



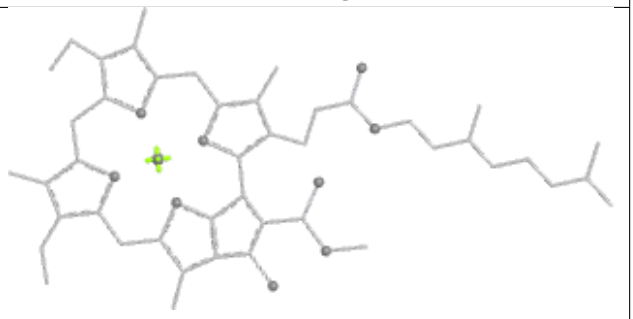
Bond lengths



Bond angles

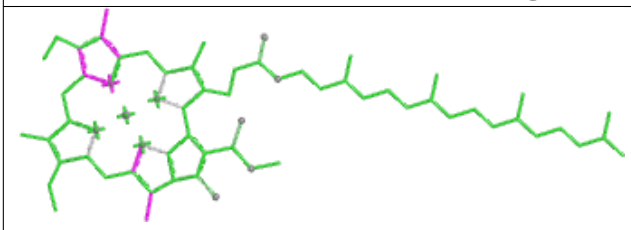


Torsions



Rings

Ligand CLA B 839



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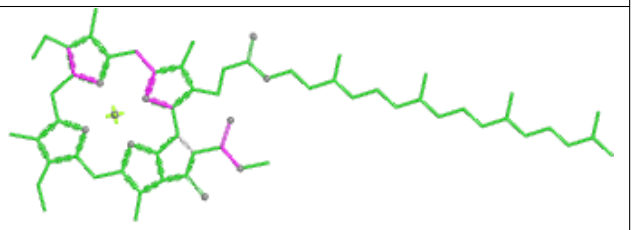
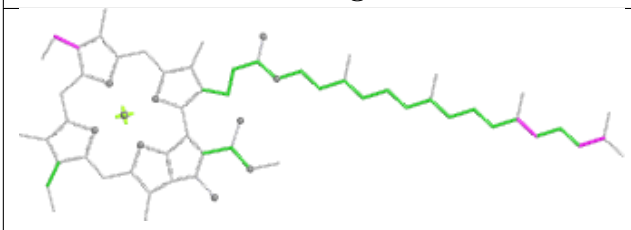
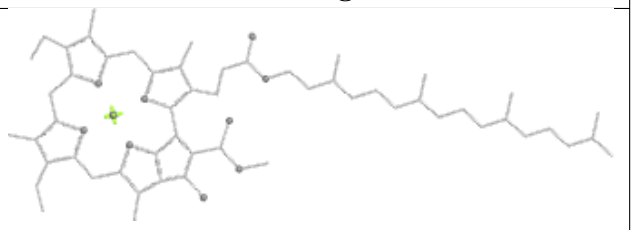


Bond angles

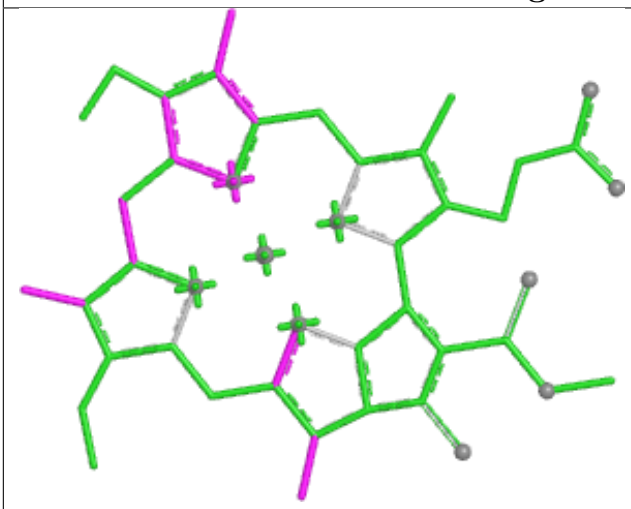


Torsions



Rings

Ligand CLA 9 304



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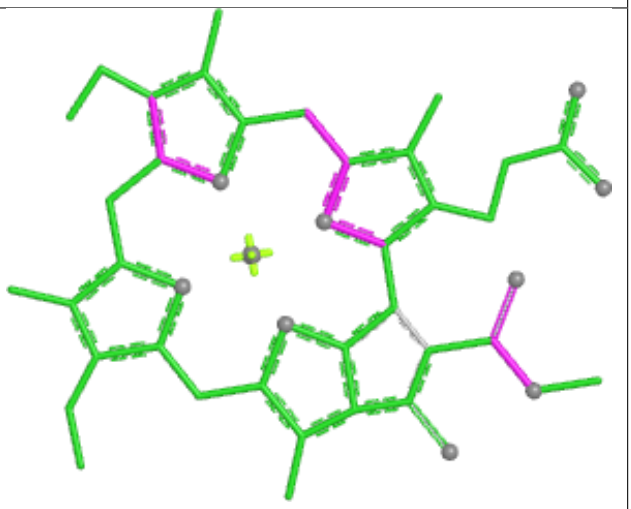

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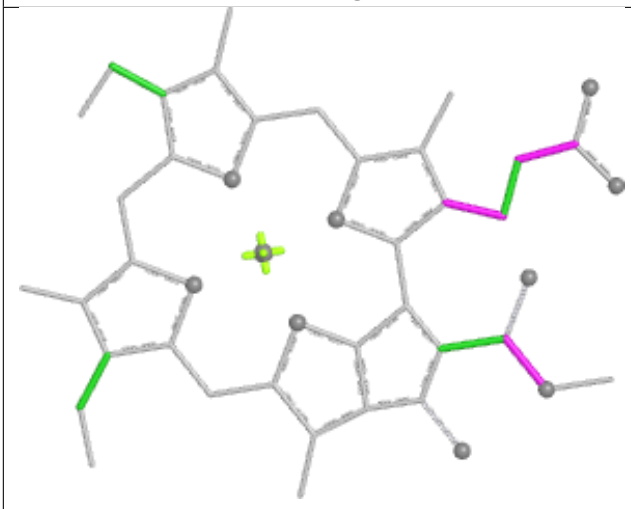
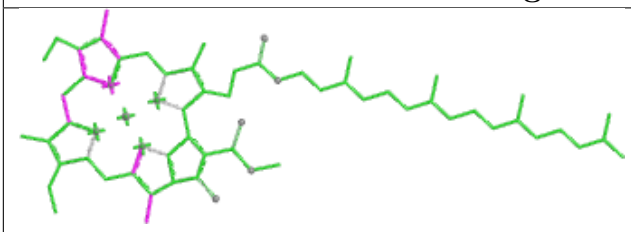


Torsions

Rings

Ligand CLA A 839



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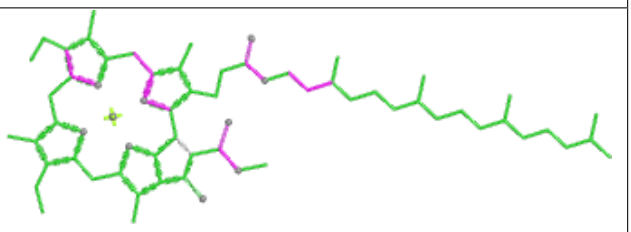

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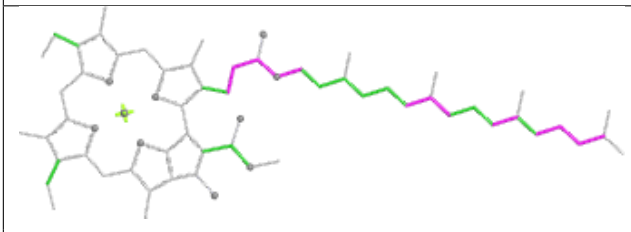

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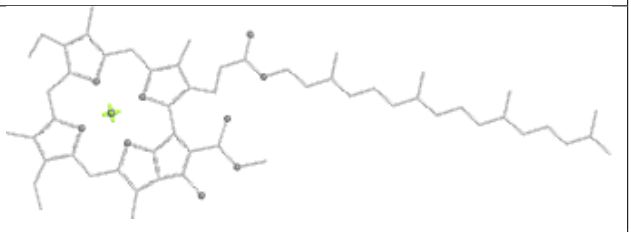

Rings

Ligand IHT 6 616

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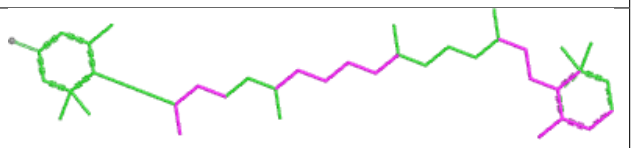
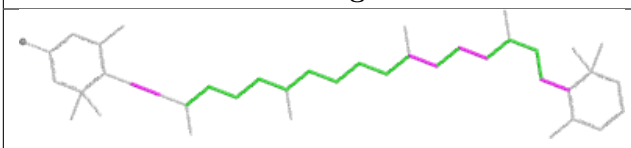


Bond angles



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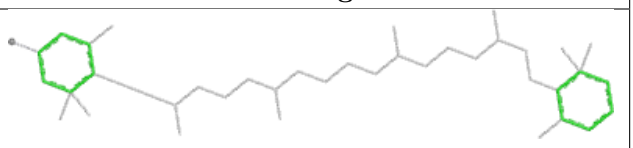
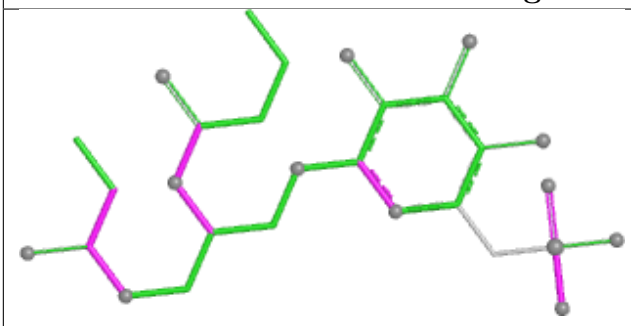


Rings

Ligand SQD O 207



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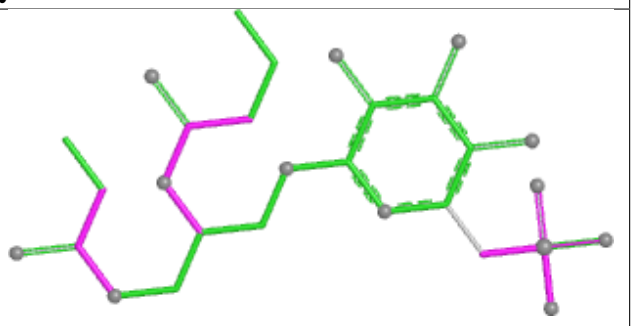

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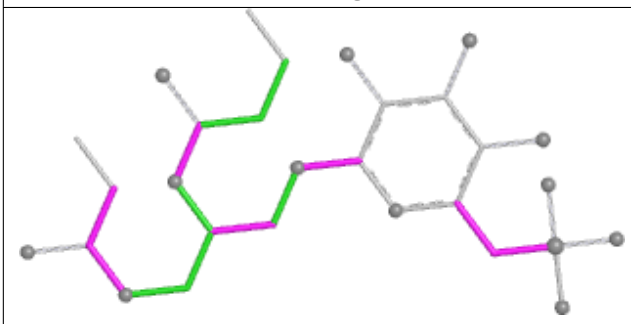

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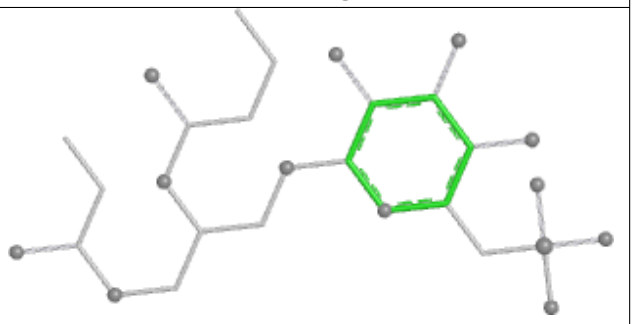
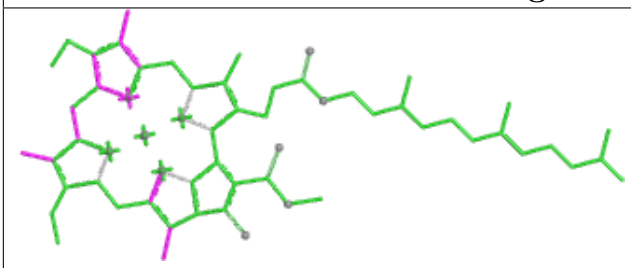


Rings

Ligand CLA 3 309



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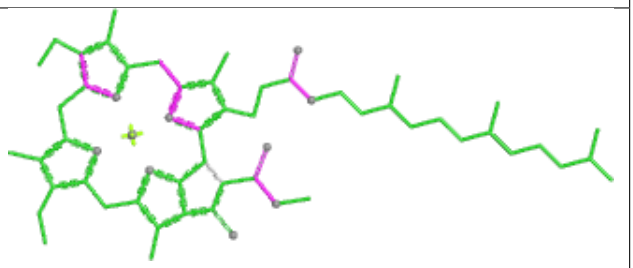
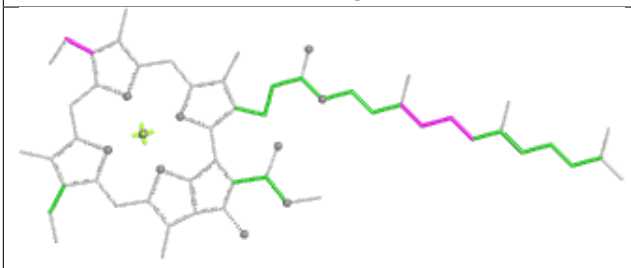


Bond angles



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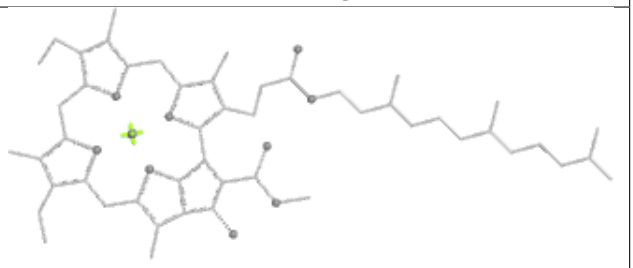
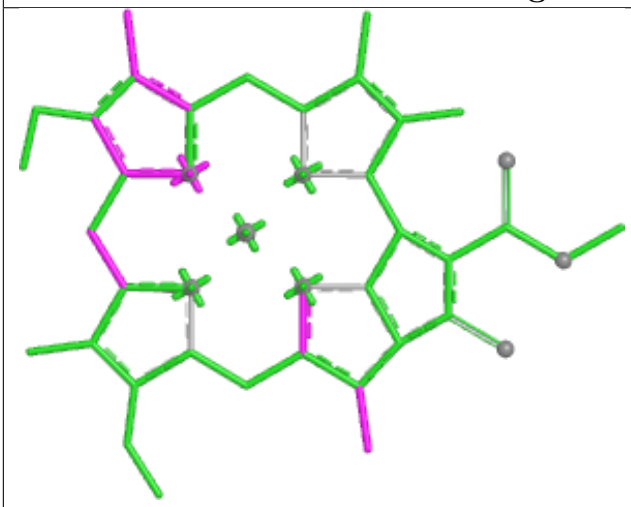


Rings

Ligand CLA 6 609



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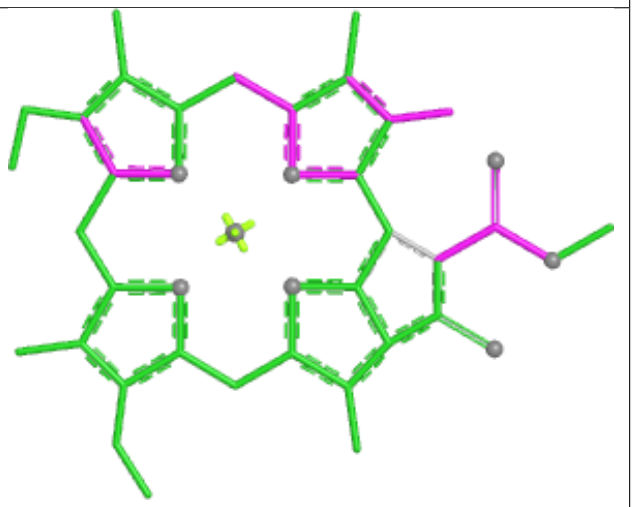
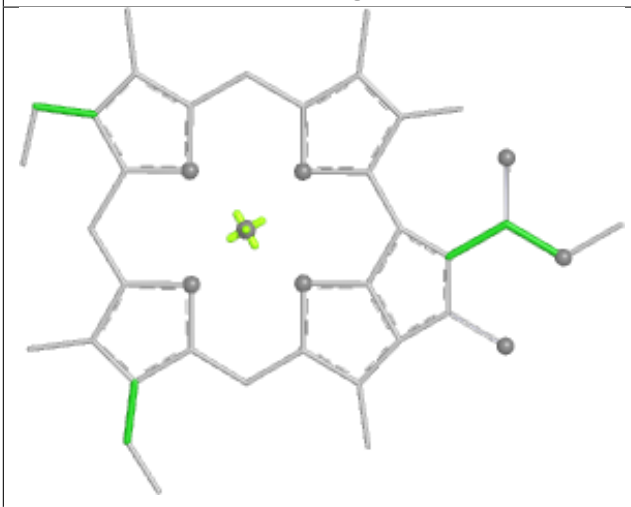


Bond angles



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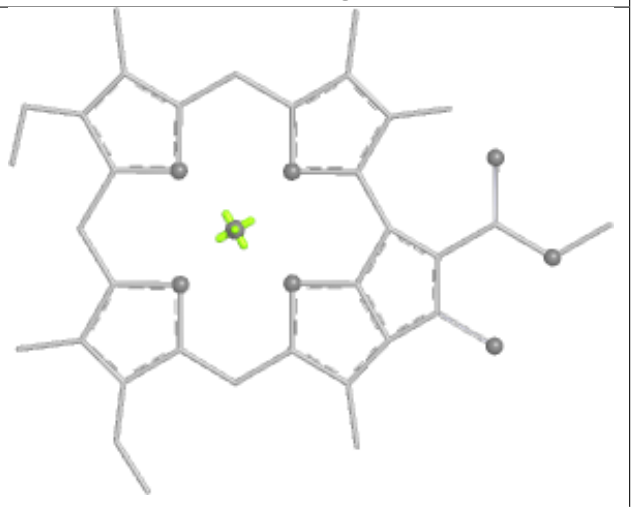
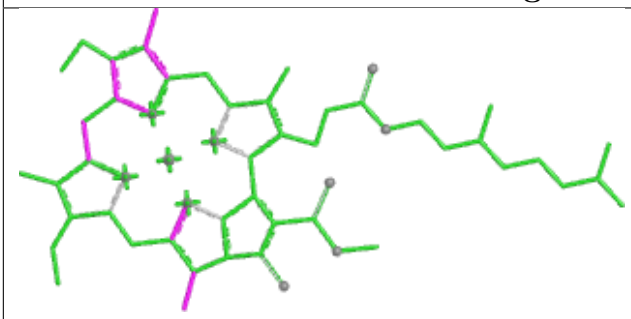
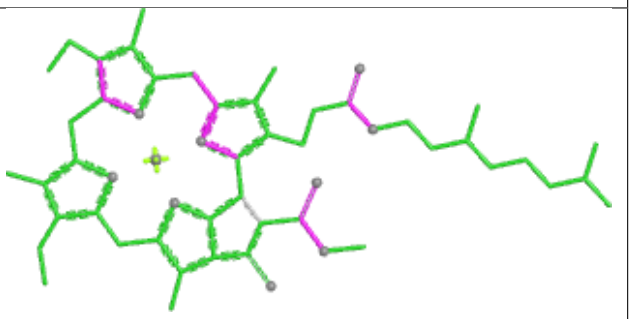
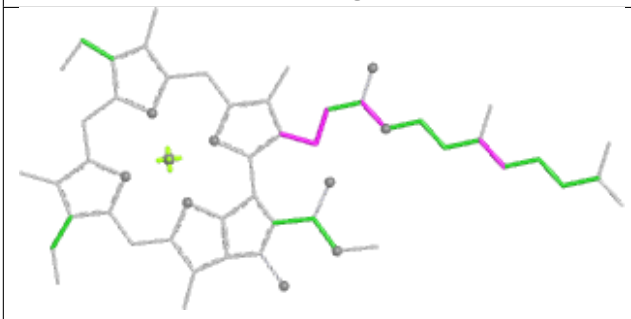
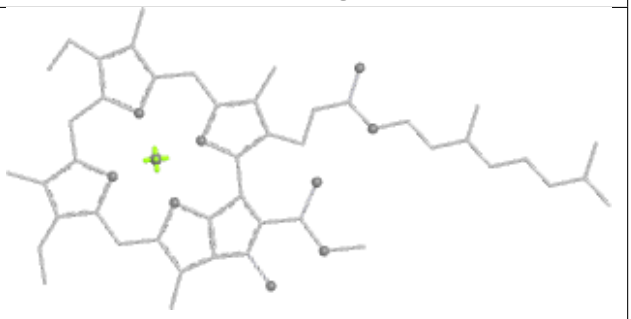
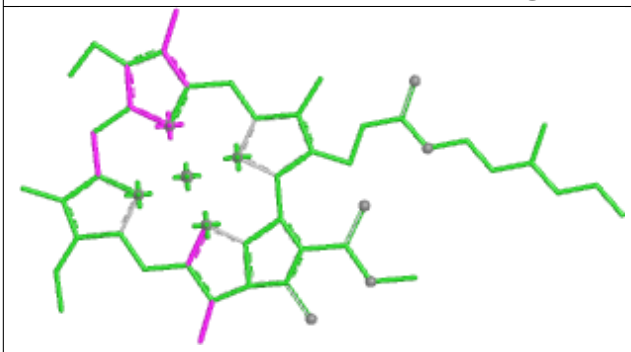
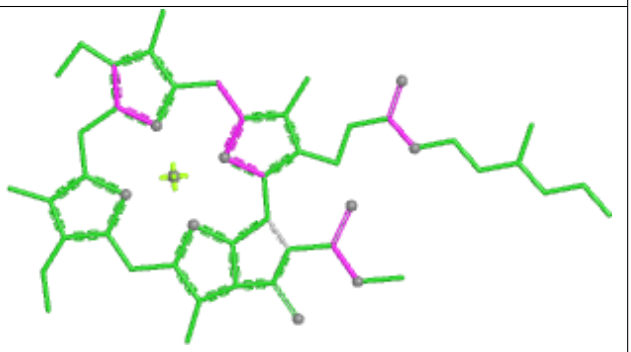
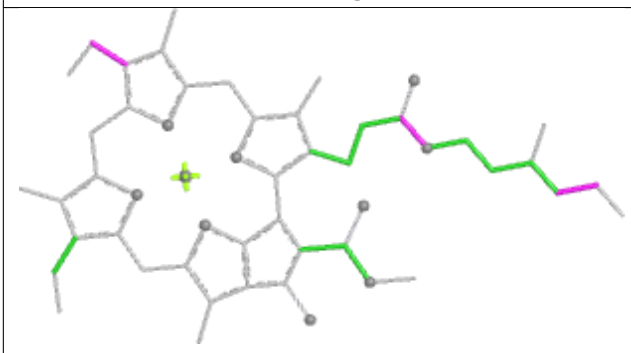
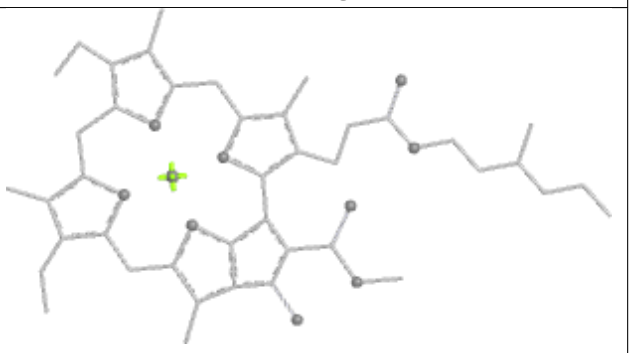
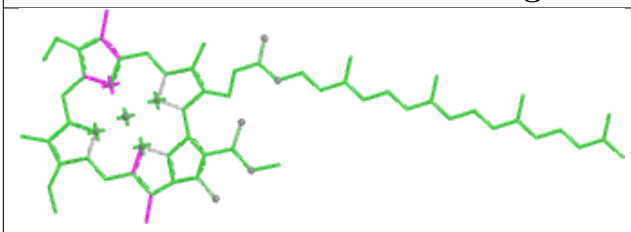


Rings

Ligand CLA A 834	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA X 301	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA A 801



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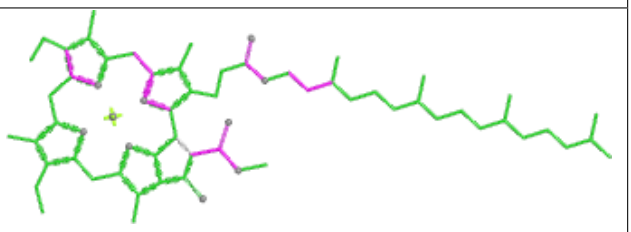
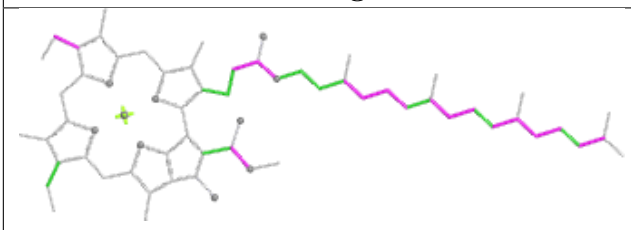
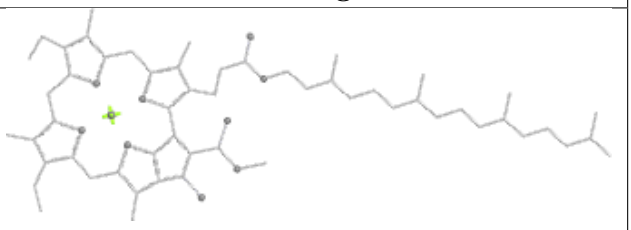


Bond angles

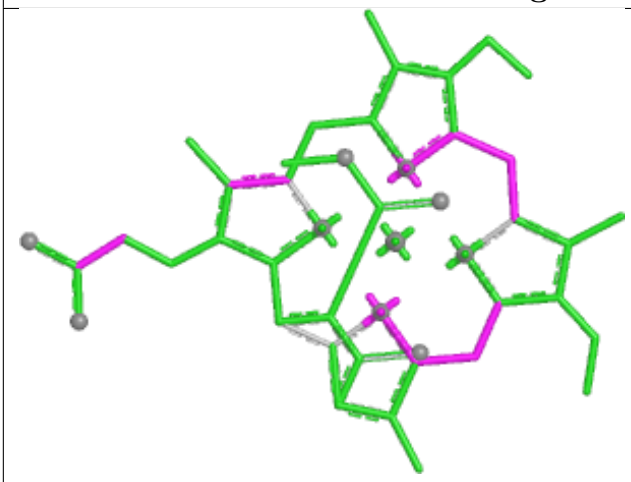


Torsions



Rings

Ligand KC2 5 610



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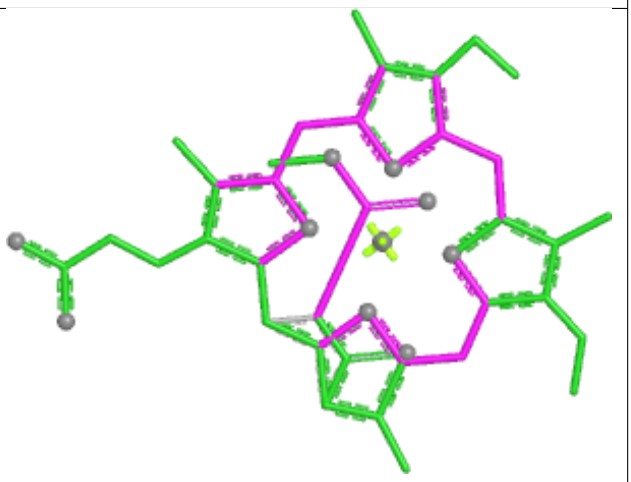
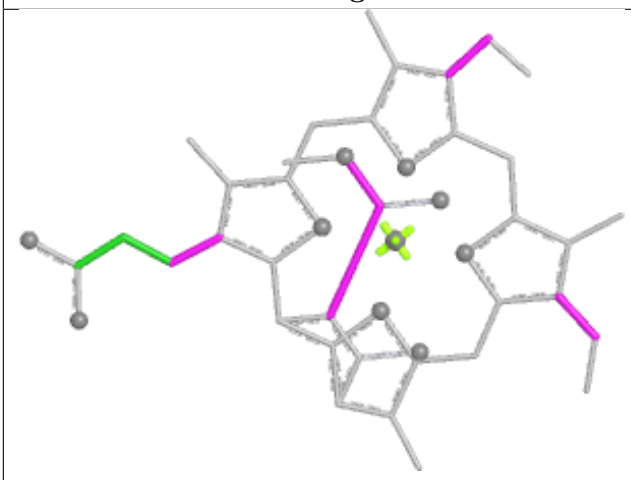
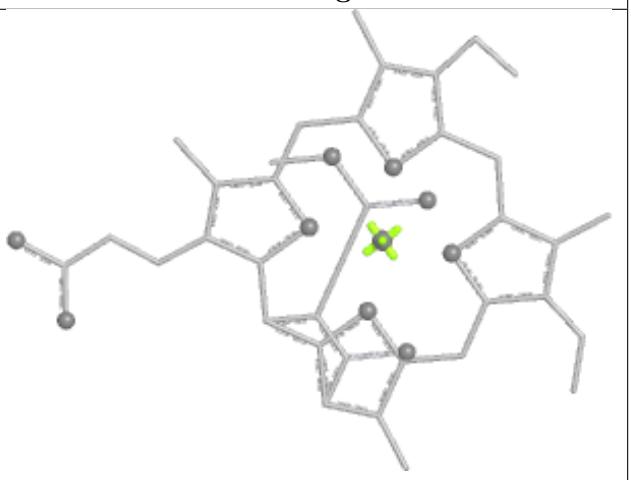


Bond angles

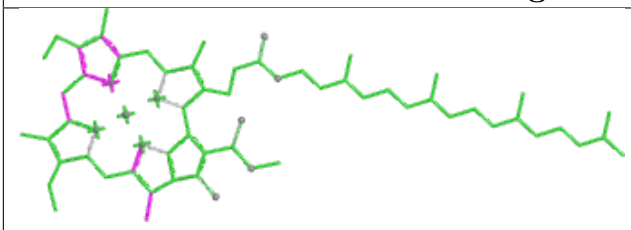


Torsions



Rings

Ligand CLA 3 305



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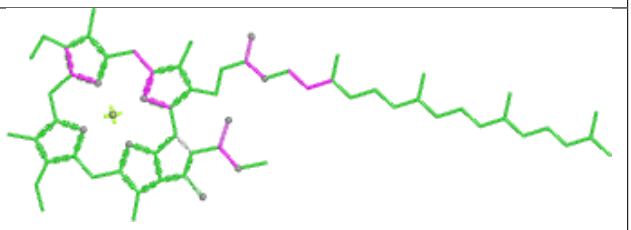
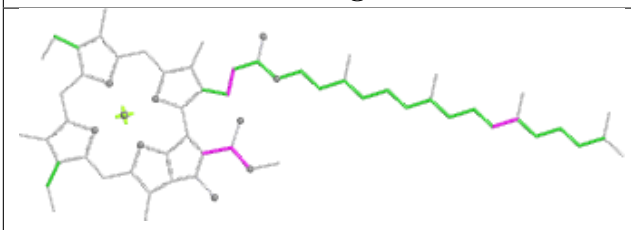


Bond angles



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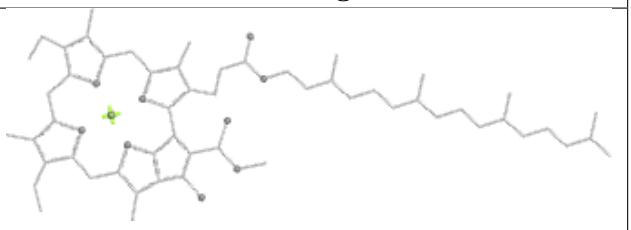
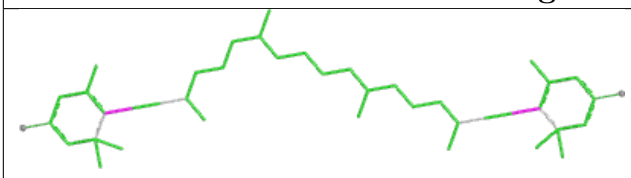


Rings

Ligand II0 O 206



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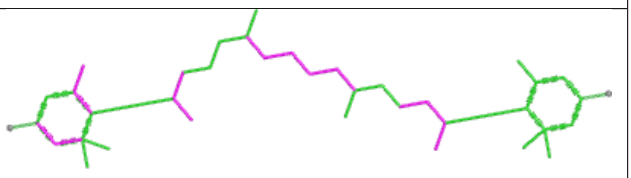
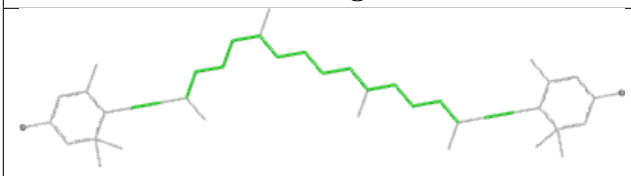


Bond angles



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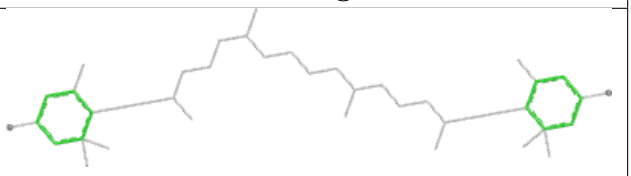
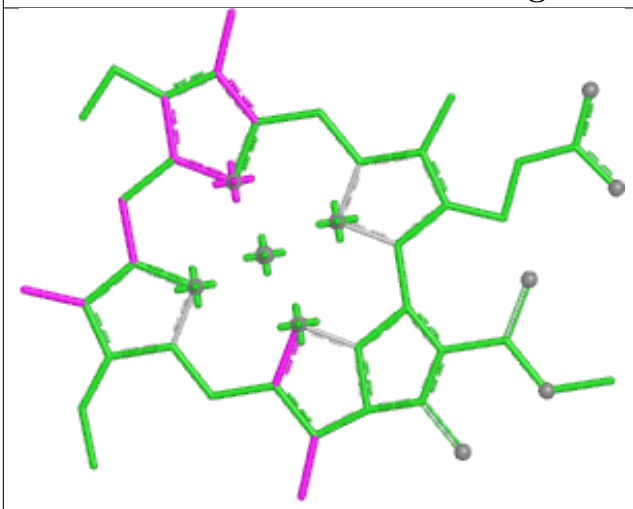
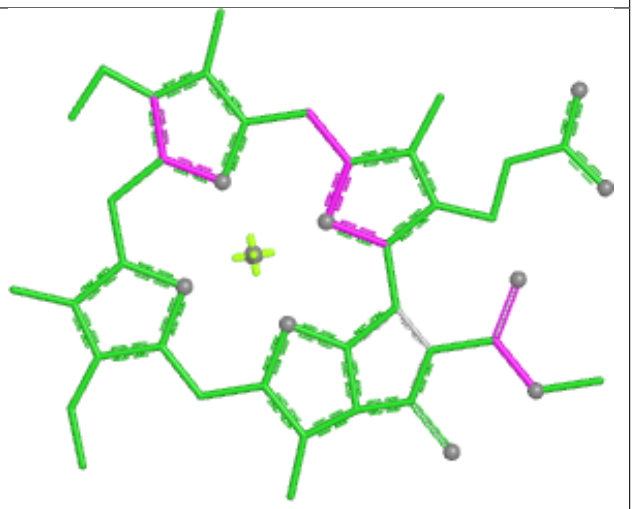


Rings

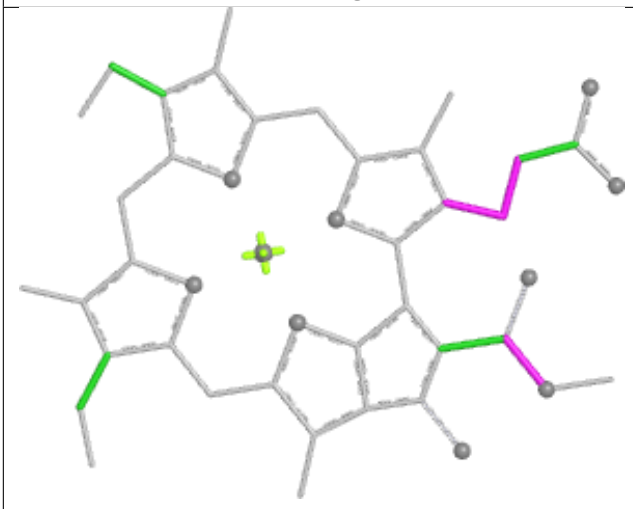
Ligand CLA 2 606



Bond lengths



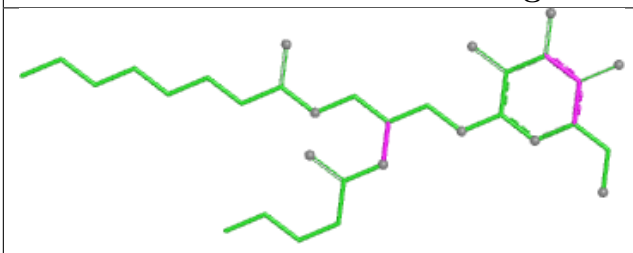
Bond angles



Torsions

Rings

Ligand LMG 6 617



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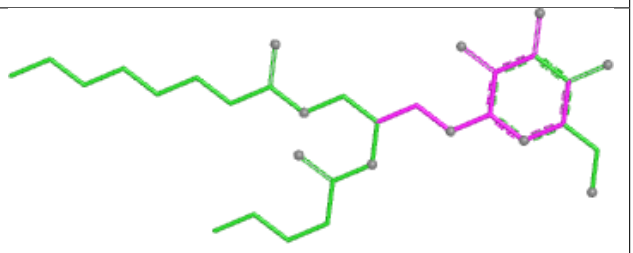

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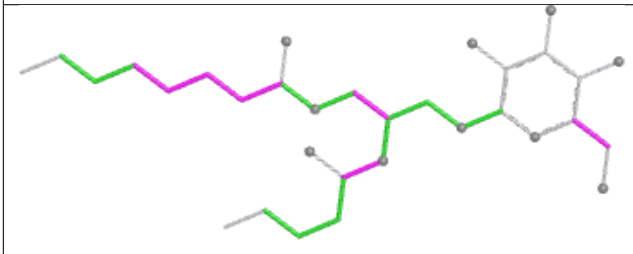
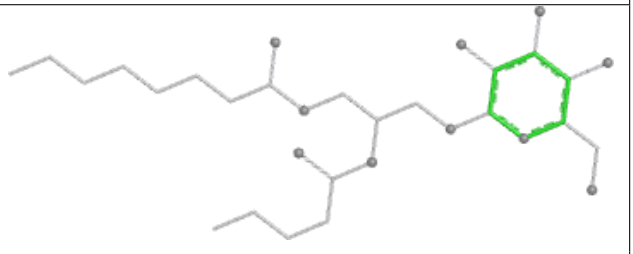
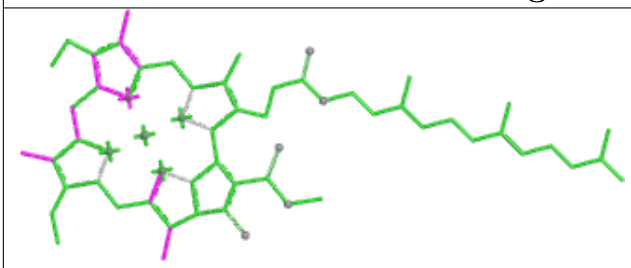
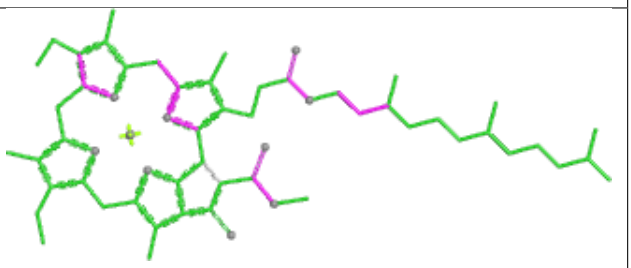
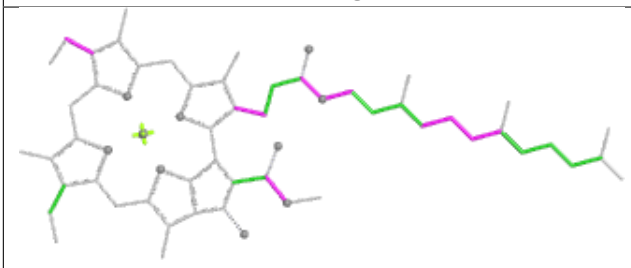
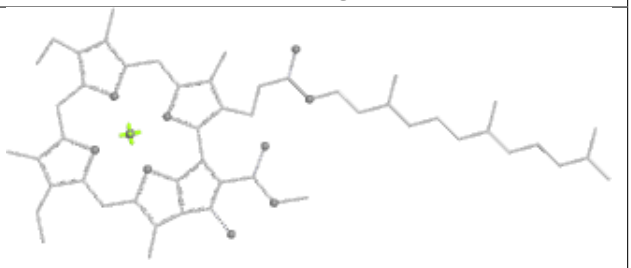
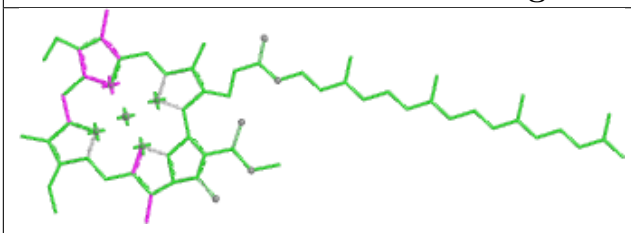
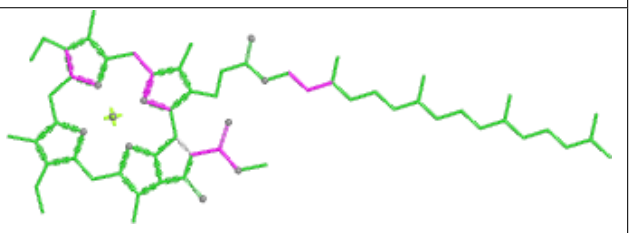
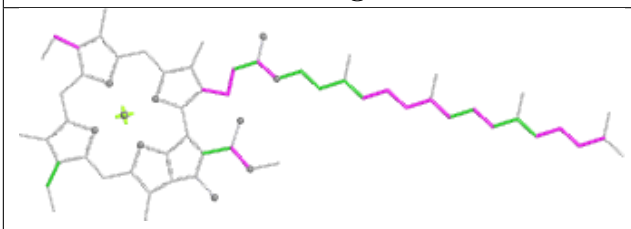
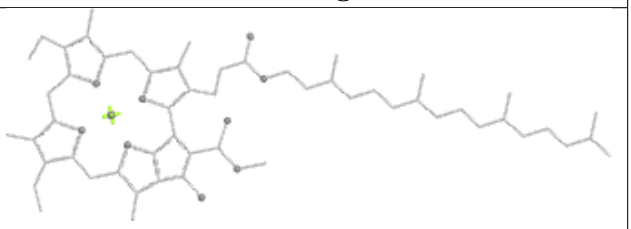


Torsions

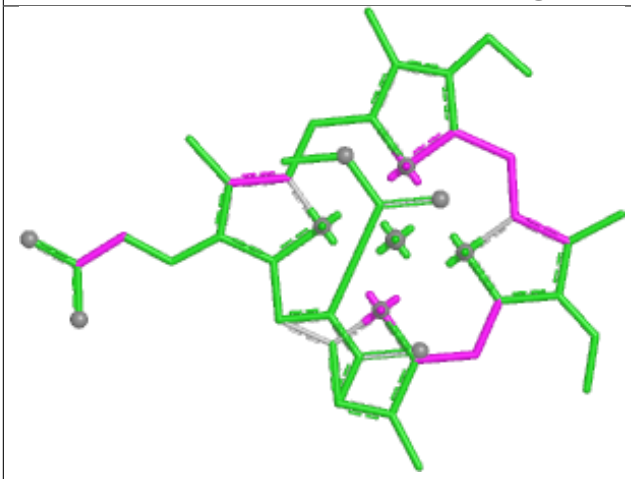


Rings

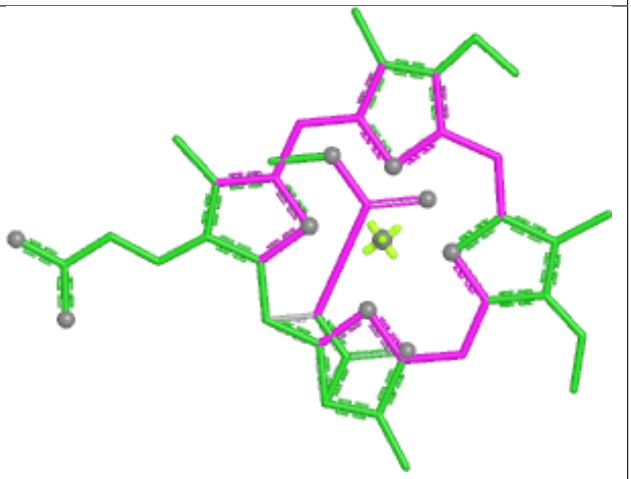
Ligand CLA 5 608	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA 9 308	
	
Bond lengths	Bond angles
	
Torsions	Rings

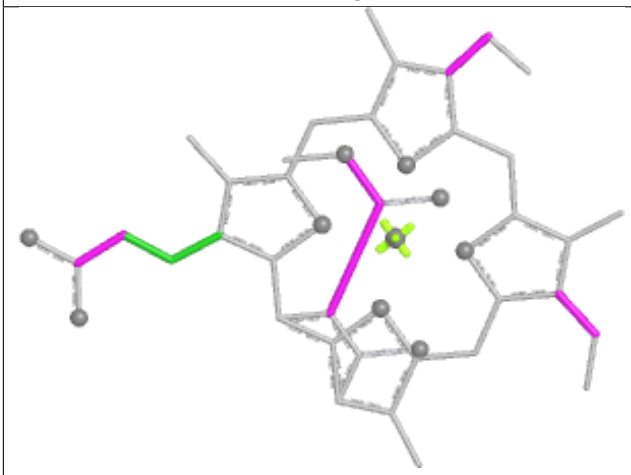
Ligand KC2 9 311



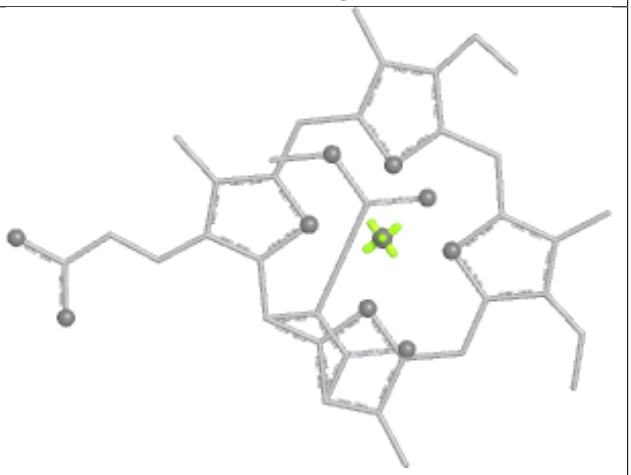
Bond lengths



Bond angles

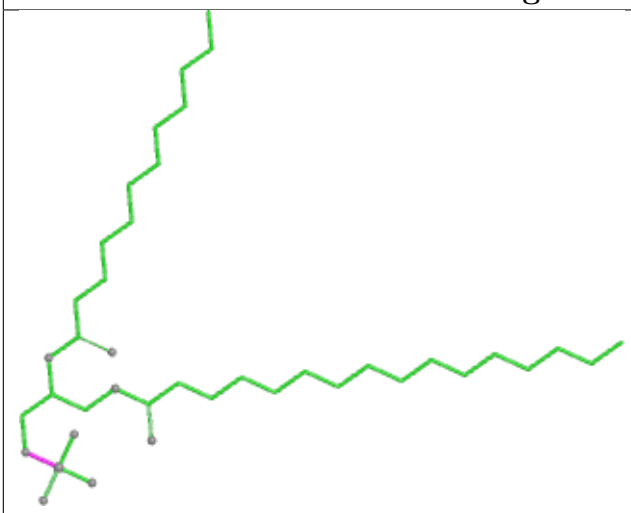


Torsions

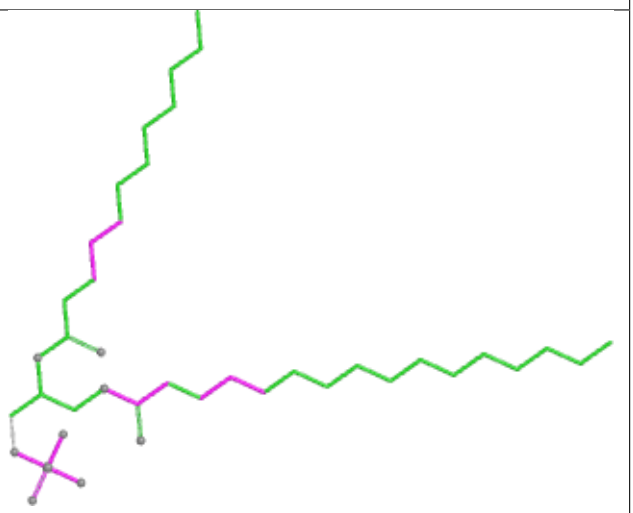


Rings

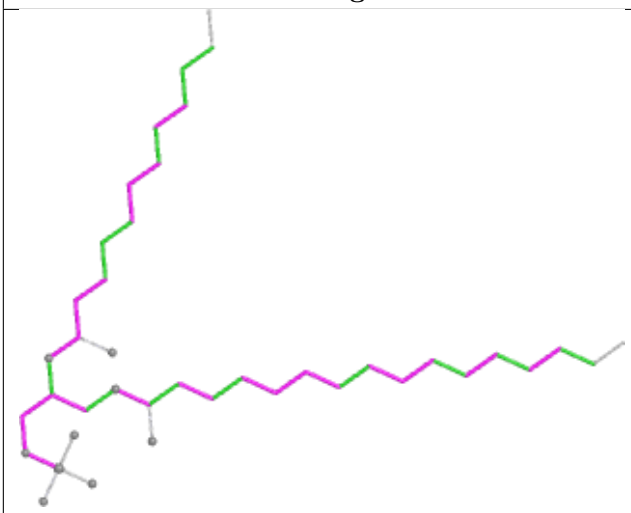
Ligand LHG B 801



Bond lengths



Bond angles



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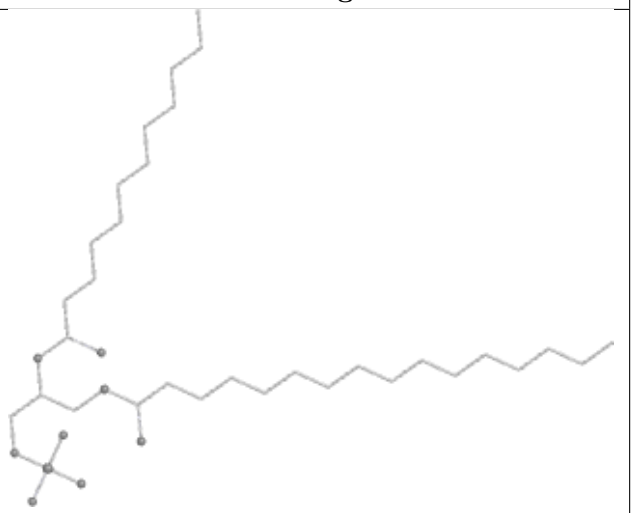
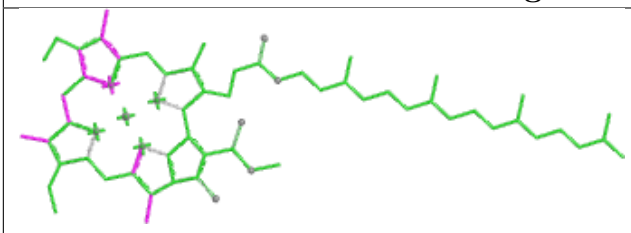


Rings

Ligand CLA B 813



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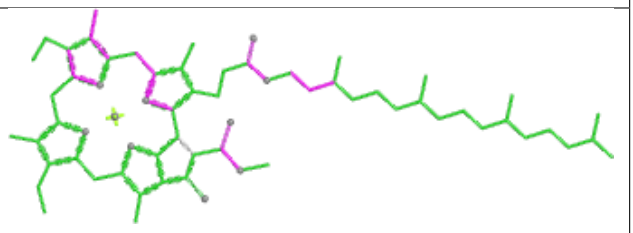
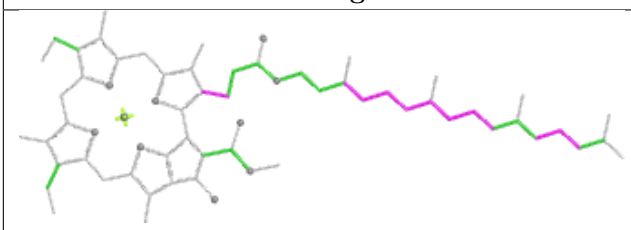


Bond angles



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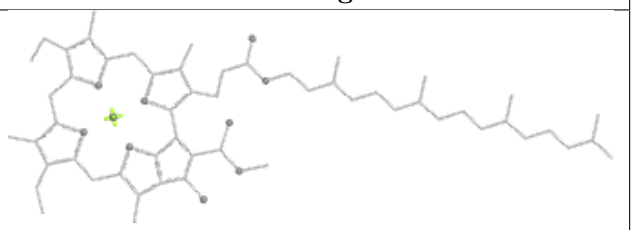
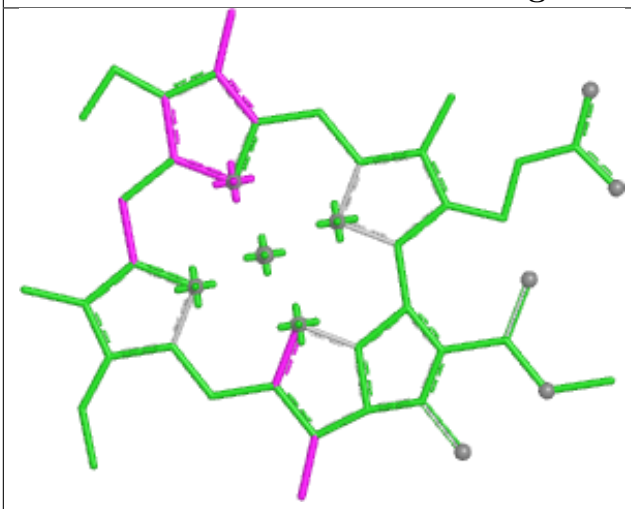


Rings

Ligand CLA 1 613



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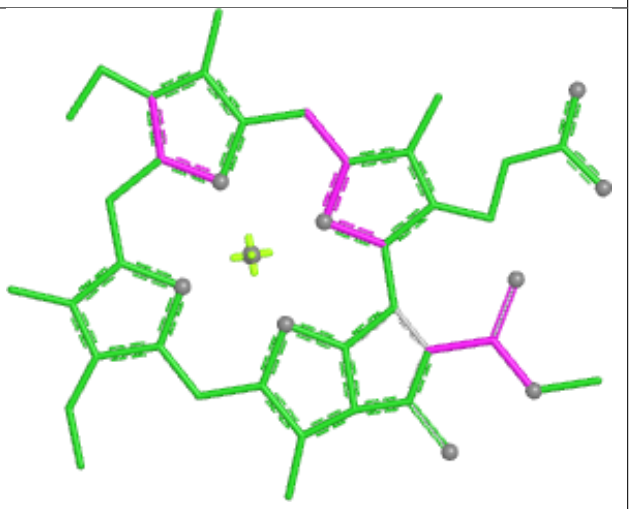
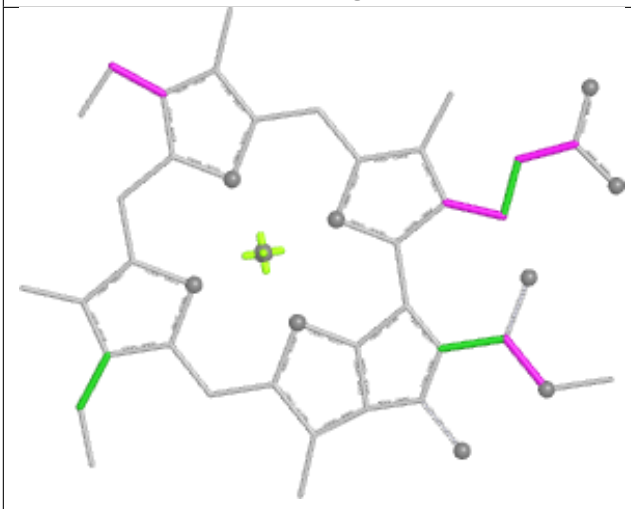


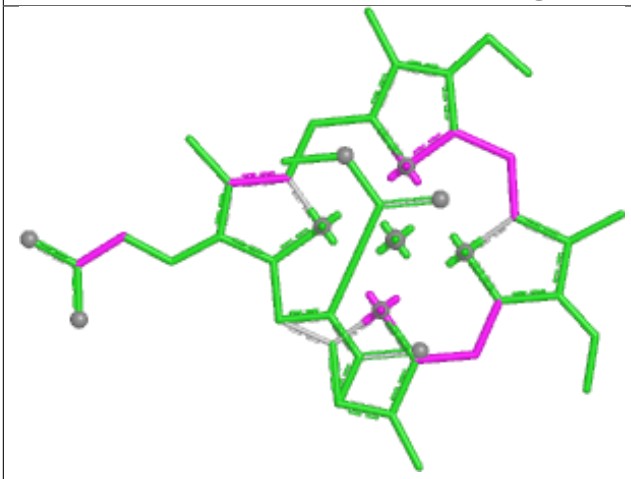
Bond angles



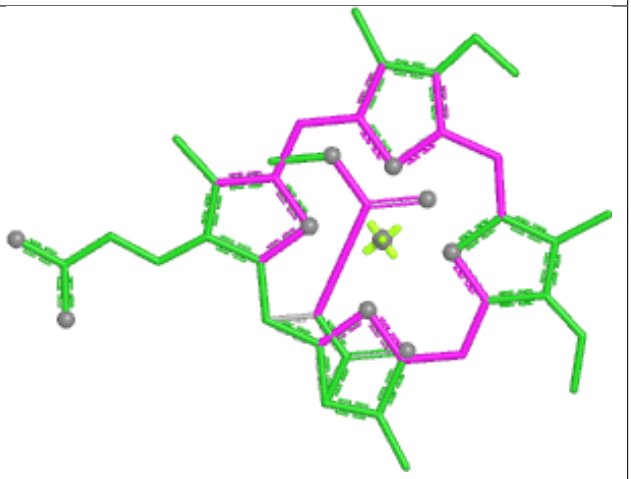
Torsions

Rings

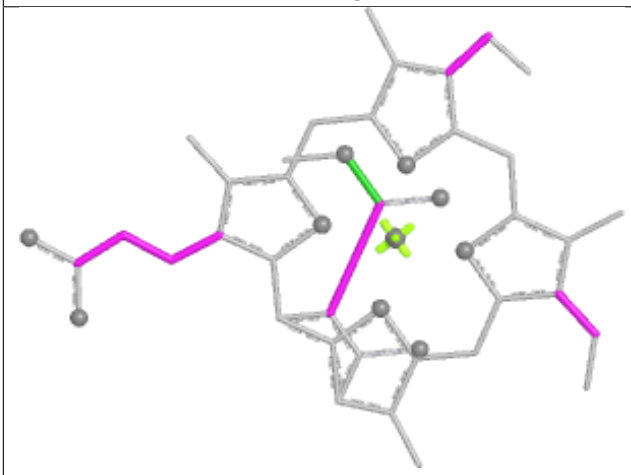
Ligand KC2 a 610



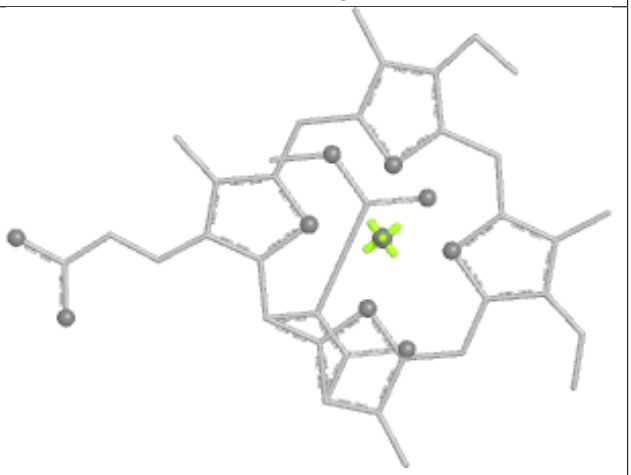
Bond lengths



Bond angles

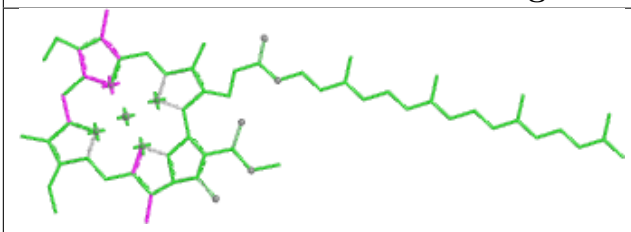


Torsions

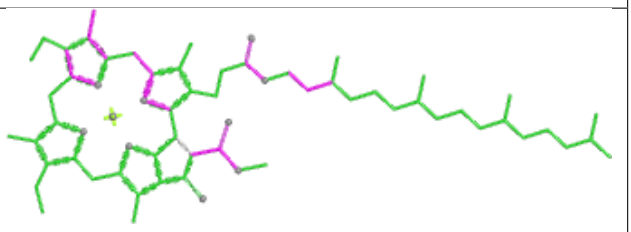


Rings

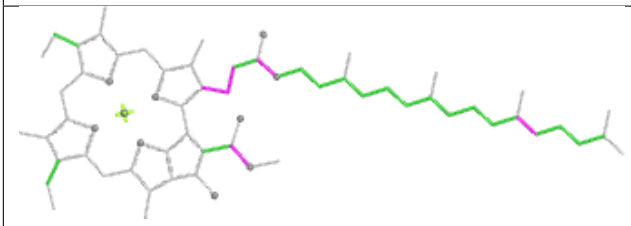
Ligand CLA 7 303



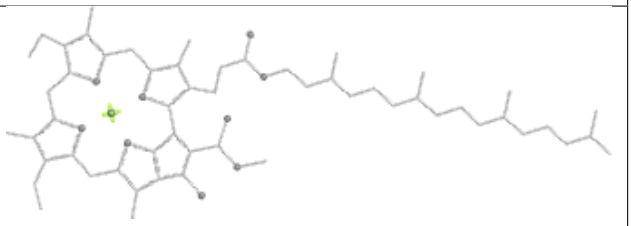
Bond lengths



Bond angles

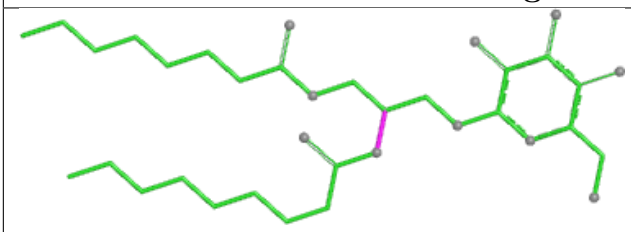


Torsions



Rings

Ligand LMG 2 618



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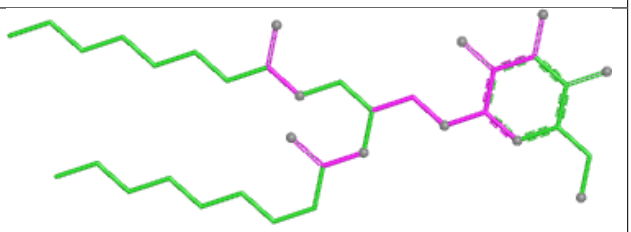
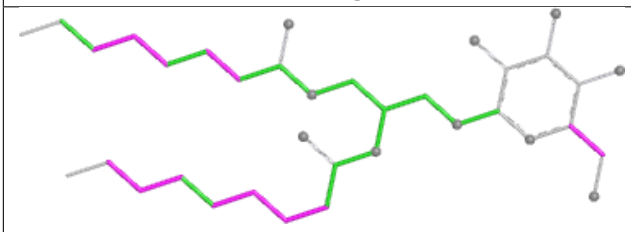
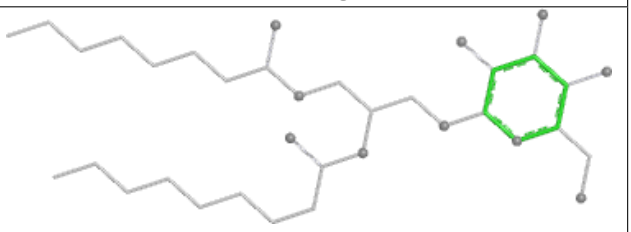


Bond angles

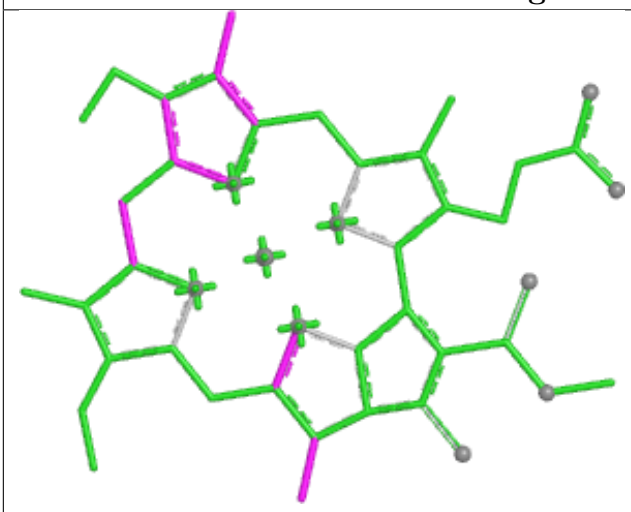


Torsions

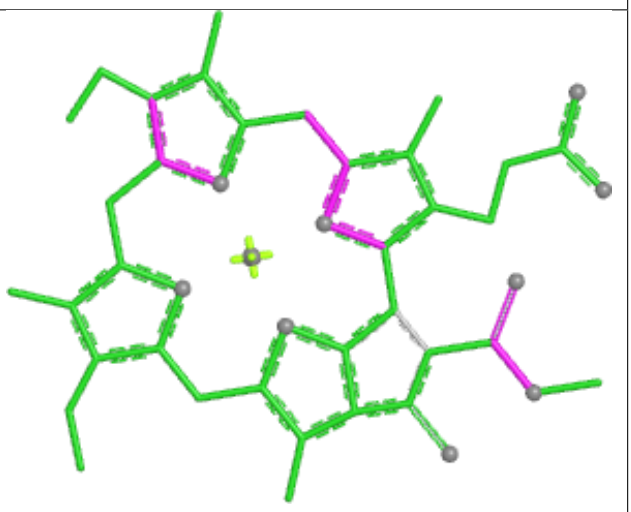


Rings

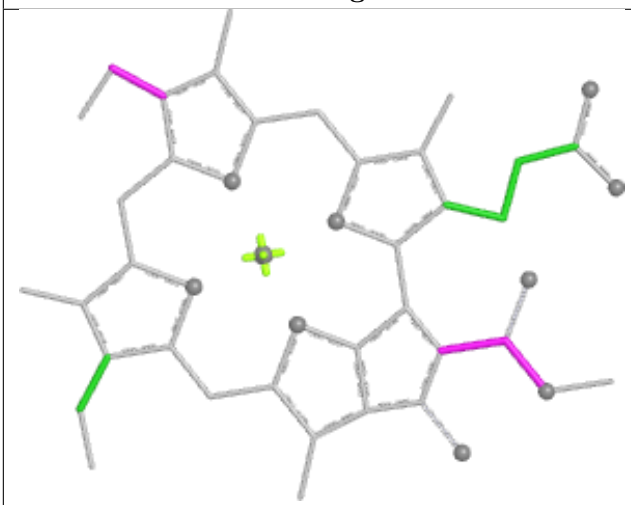
Ligand CLA 9 302



Bond lengths



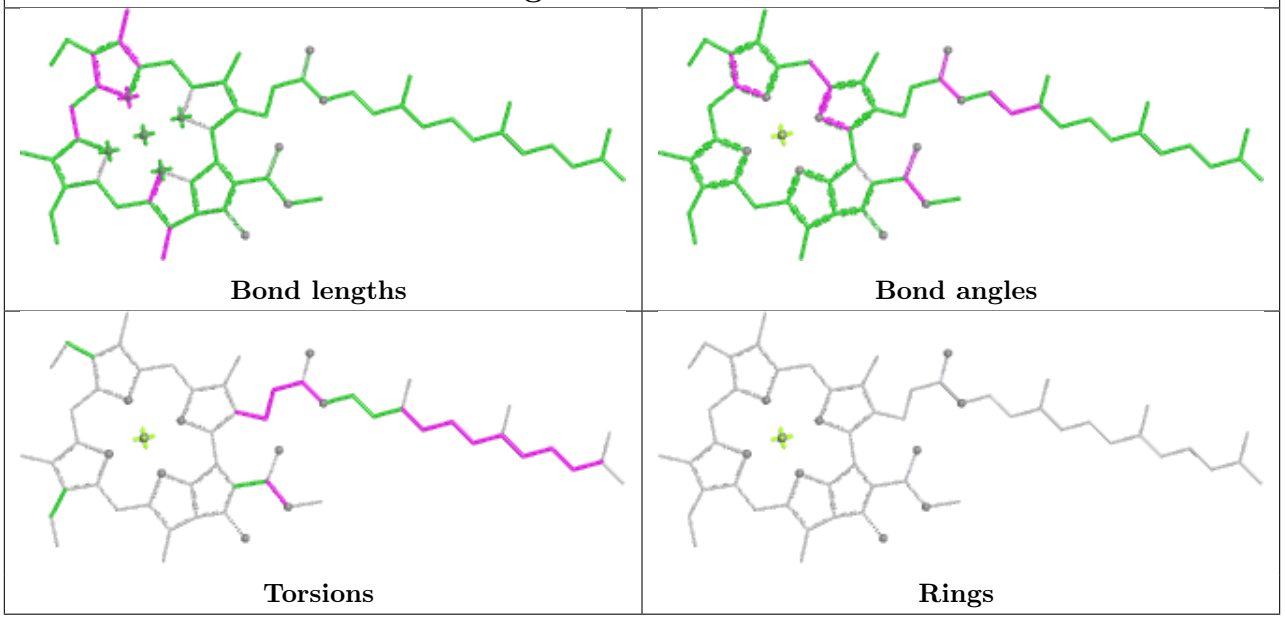
Bond angles



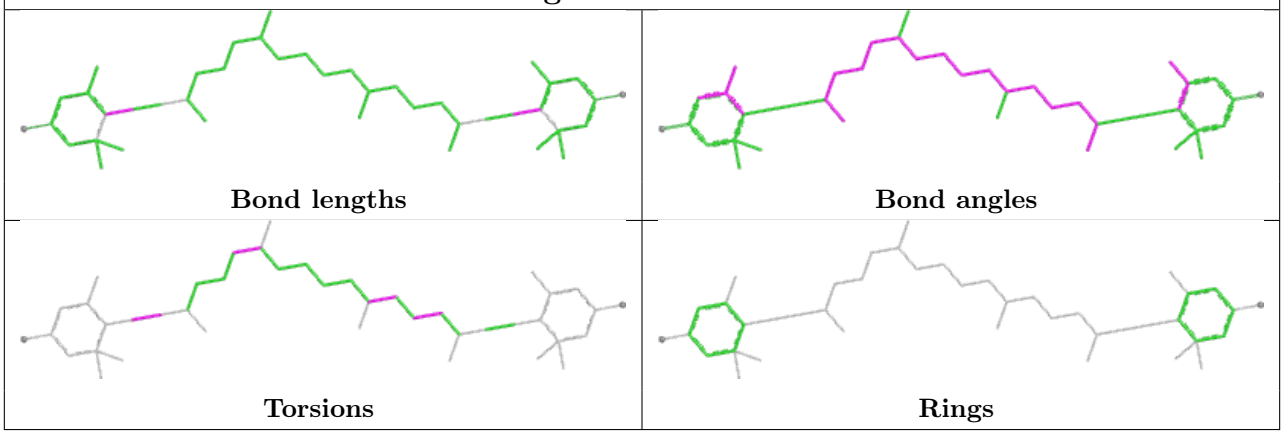
Torsions

Rings

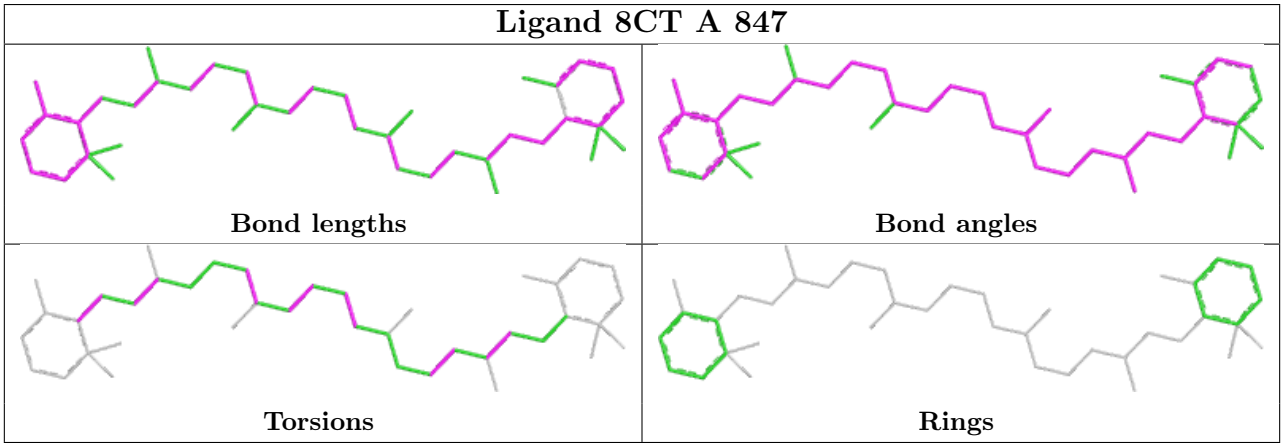
Ligand CLA A 816



Ligand II0 5 617



Ligand 8CT A 847



5.7 Other polymers

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

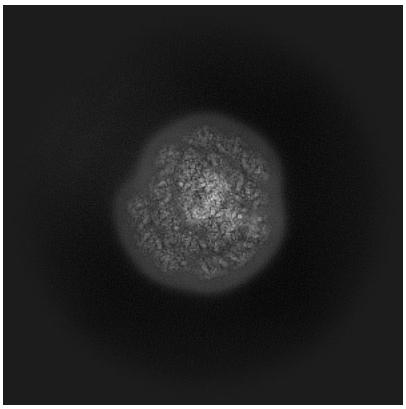
6 Map visualisation

This section contains visualisations of the EMDB entry EMD-66373. These allow visual inspection of the internal detail of the map and identification of artifacts.

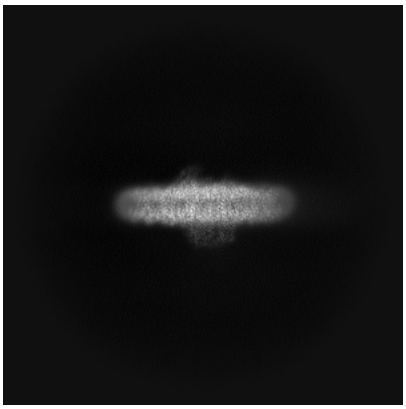
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

6.1 Orthogonal projections

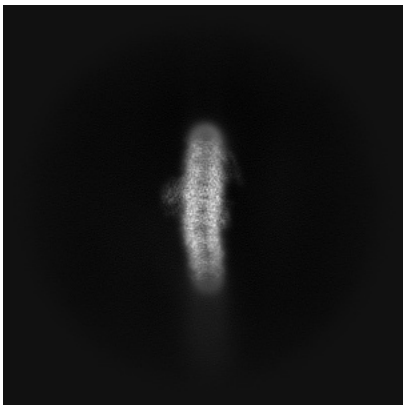
6.1.1 Primary map



X

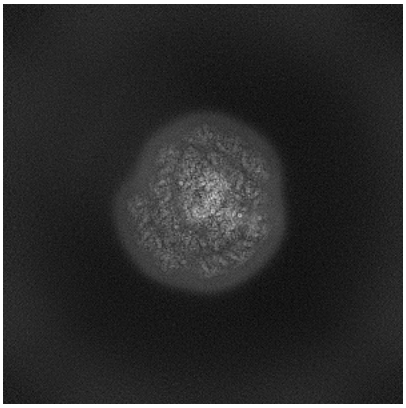


Y

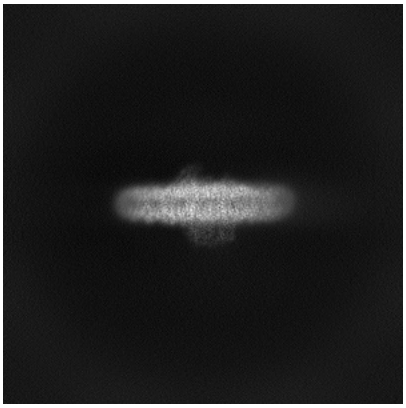


Z

6.1.2 Raw map



X



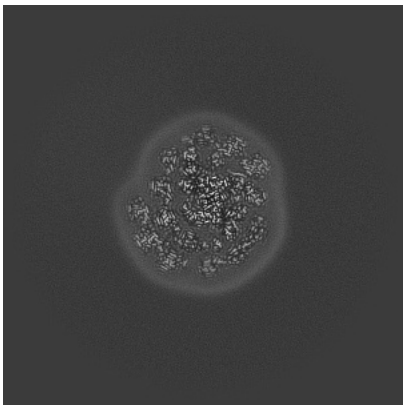
Y

Z

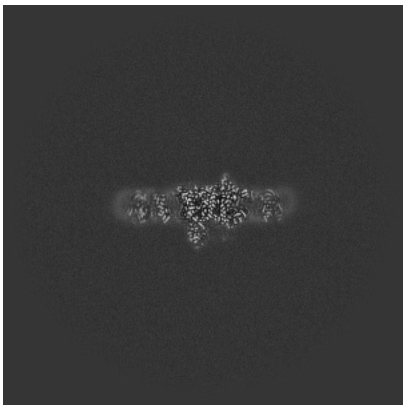
The images above show the map projected in three orthogonal directions.

6.2 Central slices (i)

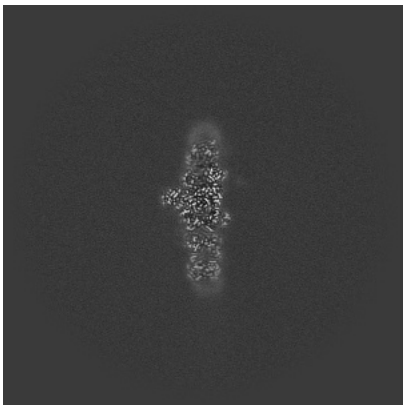
6.2.1 Primary map



X Index: 256

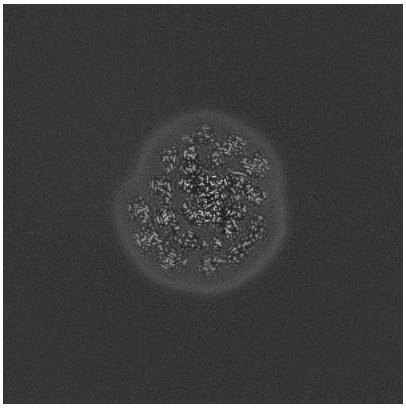


Y Index: 256

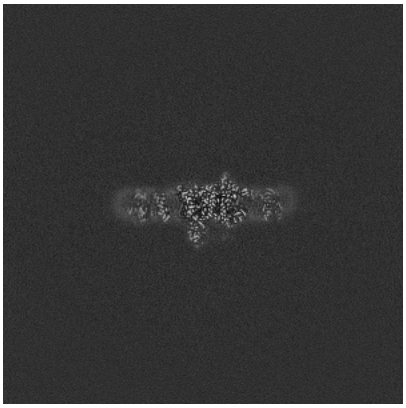


Z Index: 256

6.2.2 Raw map



X Index: 256



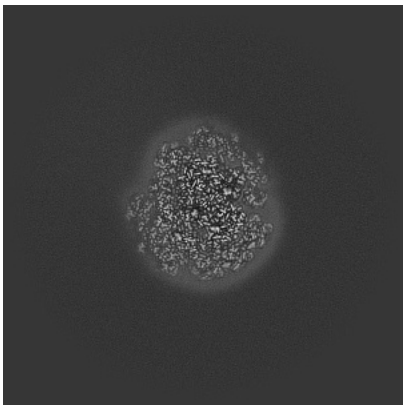
Y Index: 256

Z Index: 256

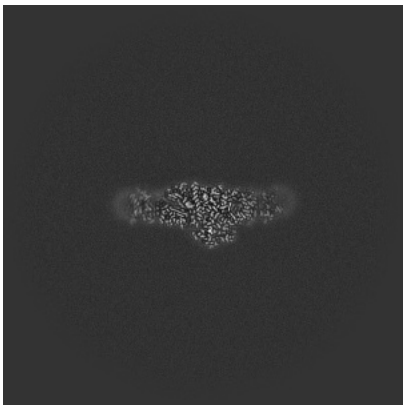
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices (i)

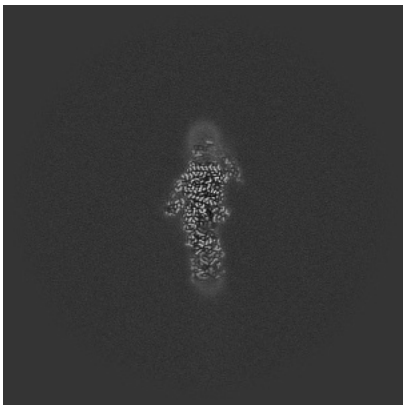
6.3.1 Primary map



X Index: 243

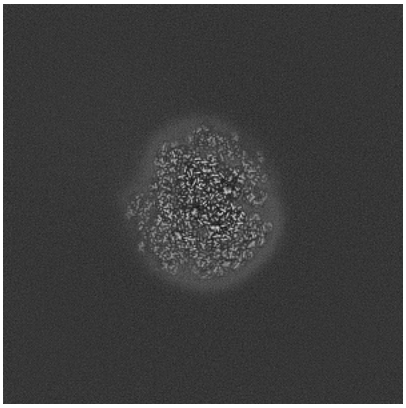


Y Index: 269

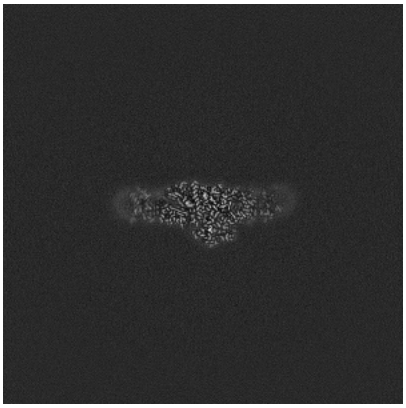


Z Index: 242

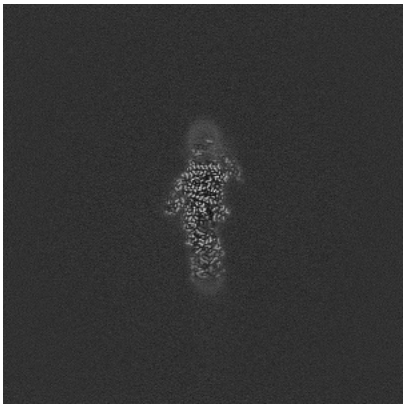
6.3.2 Raw map



X Index: 243



Y Index: 269

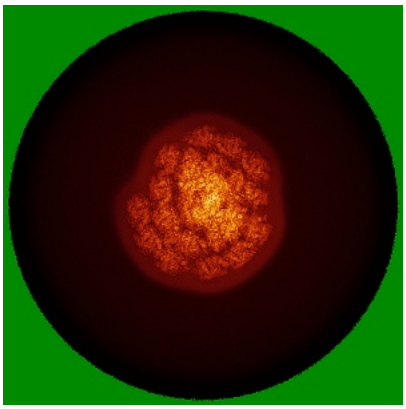


Z Index: 242

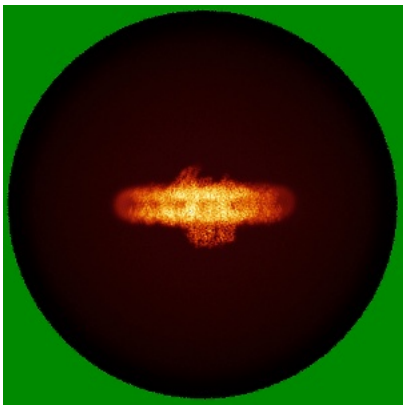
The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal standard-deviation projections (False-color) (i)

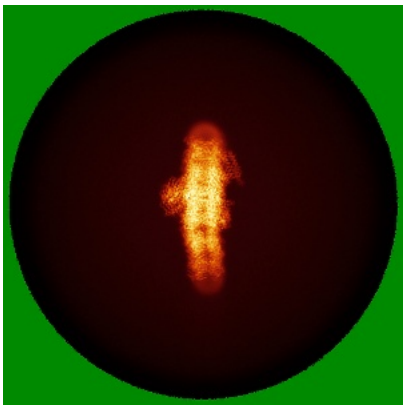
6.4.1 Primary map



X

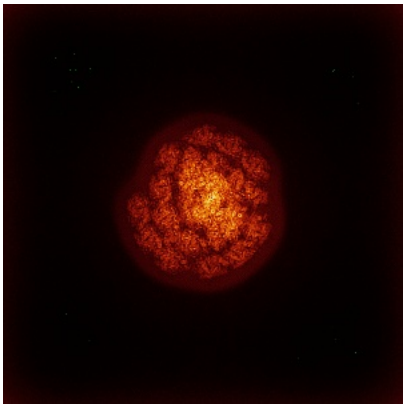


Y

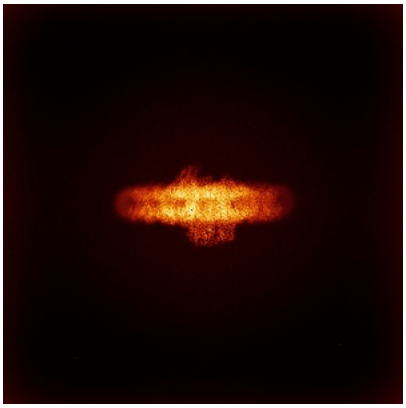


Z

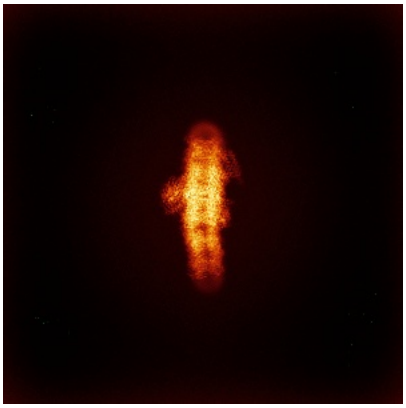
6.4.2 Raw map



X



Y

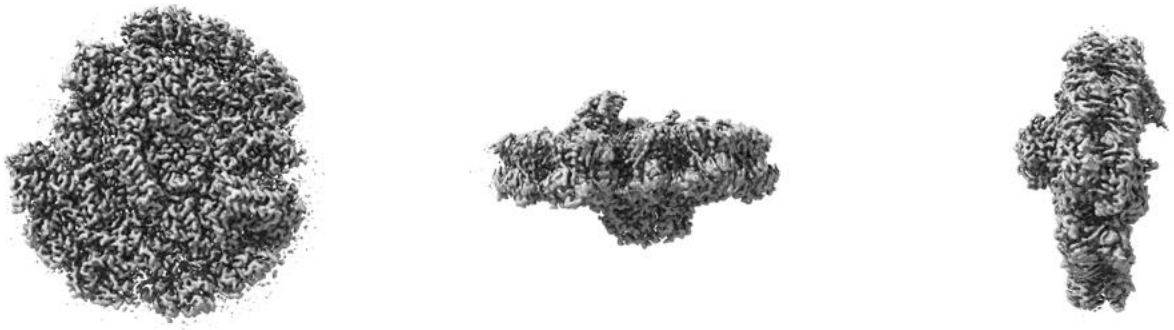


Z

The images above show the map standard deviation projections with false color in three orthogonal directions. Minimum values are shown in green, max in blue, and dark to light orange shades represent small to large values respectively.

6.5 Orthogonal surface views (i)

6.5.1 Primary map



X Y Z

The images above show the 3D surface view of the map at the recommended contour level 0.1. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

6.5.2 Raw map

X Y Z

These images show the 3D surface of the raw map. The raw map's contour level was selected so that its surface encloses the same volume as the primary map does at its recommended contour level.

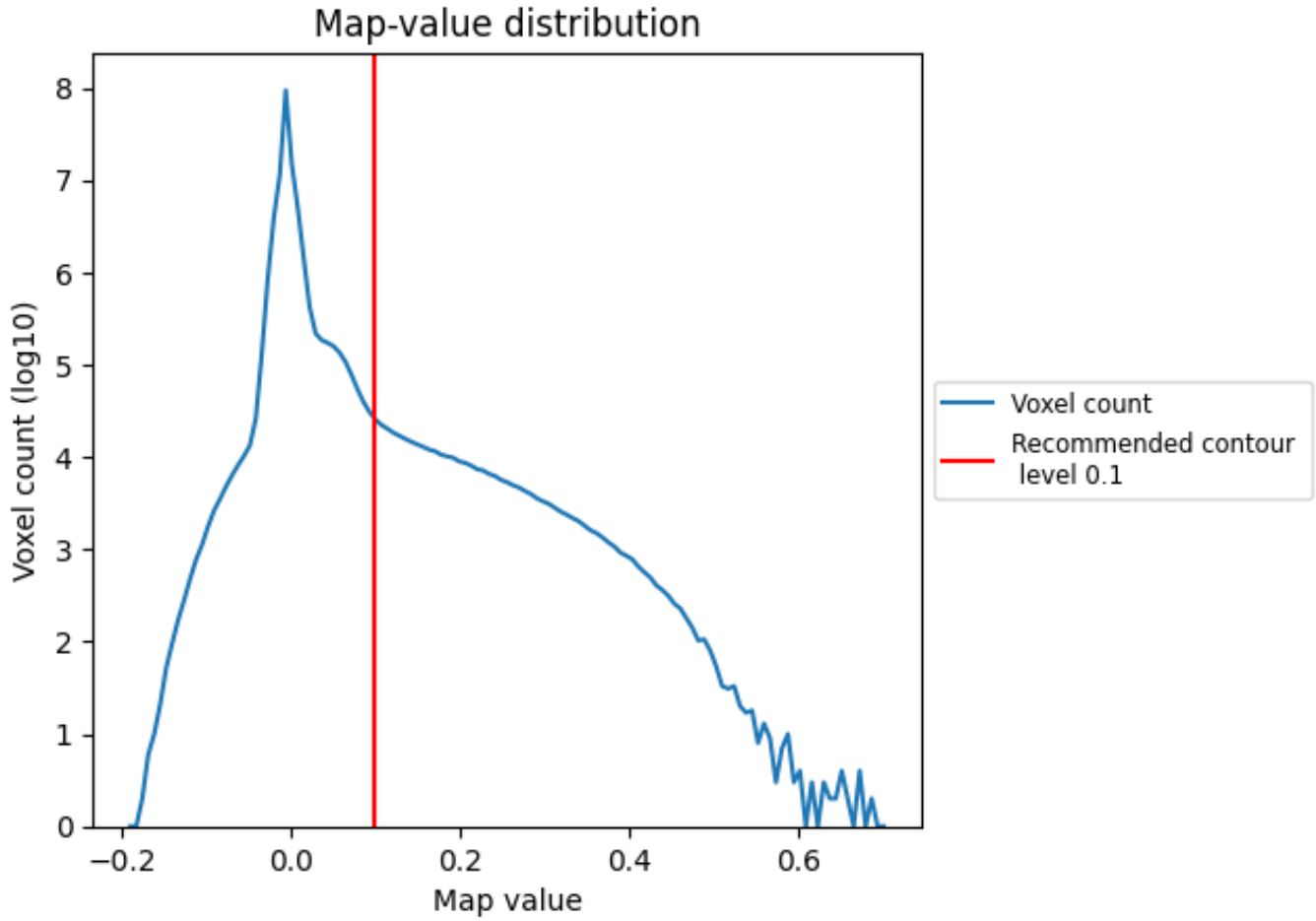
6.6 Mask visualisation (i)

This section was not generated. No masks/segmentation were deposited.

7 Map analysis

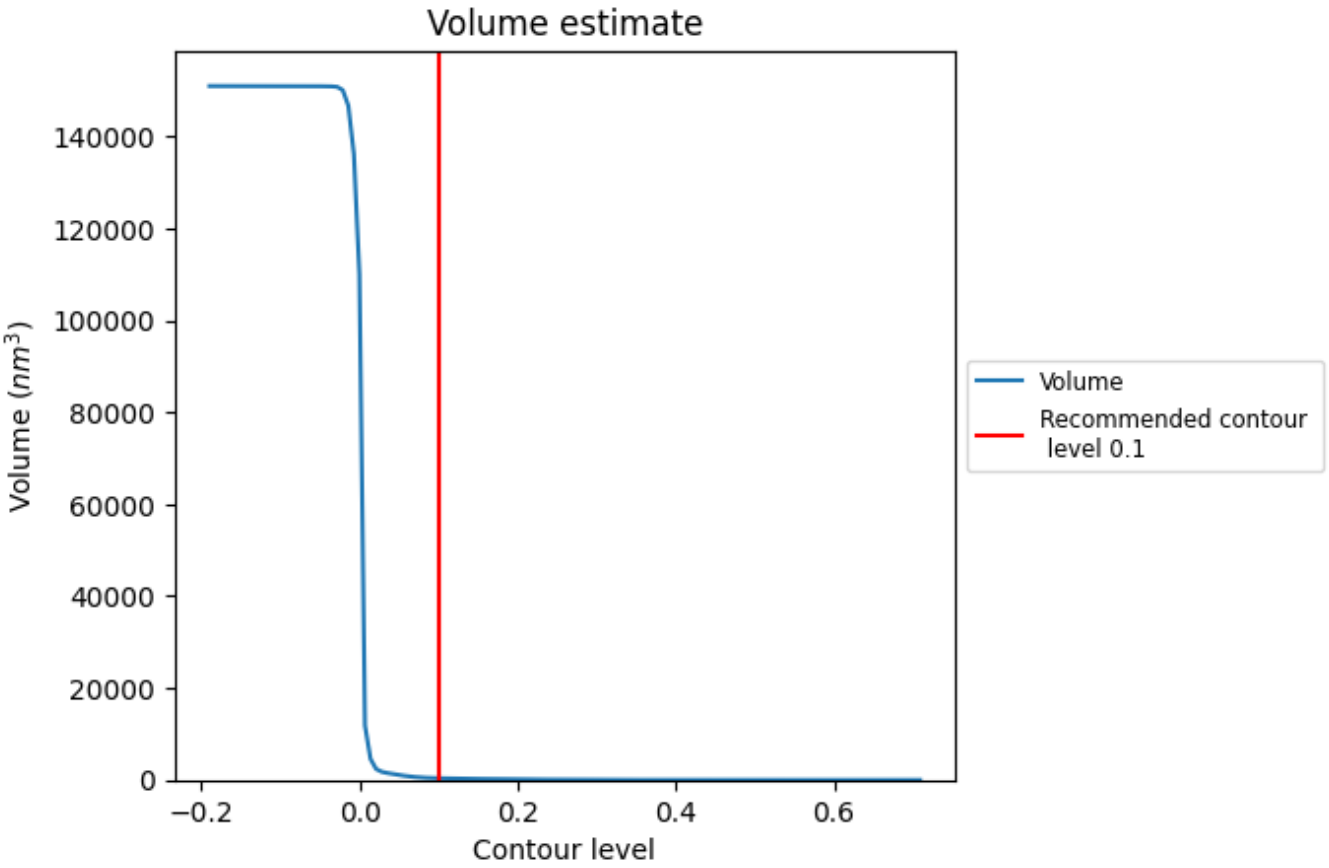
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution



The map-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic. A spike in this graph at zero usually indicates that the volume has been masked.

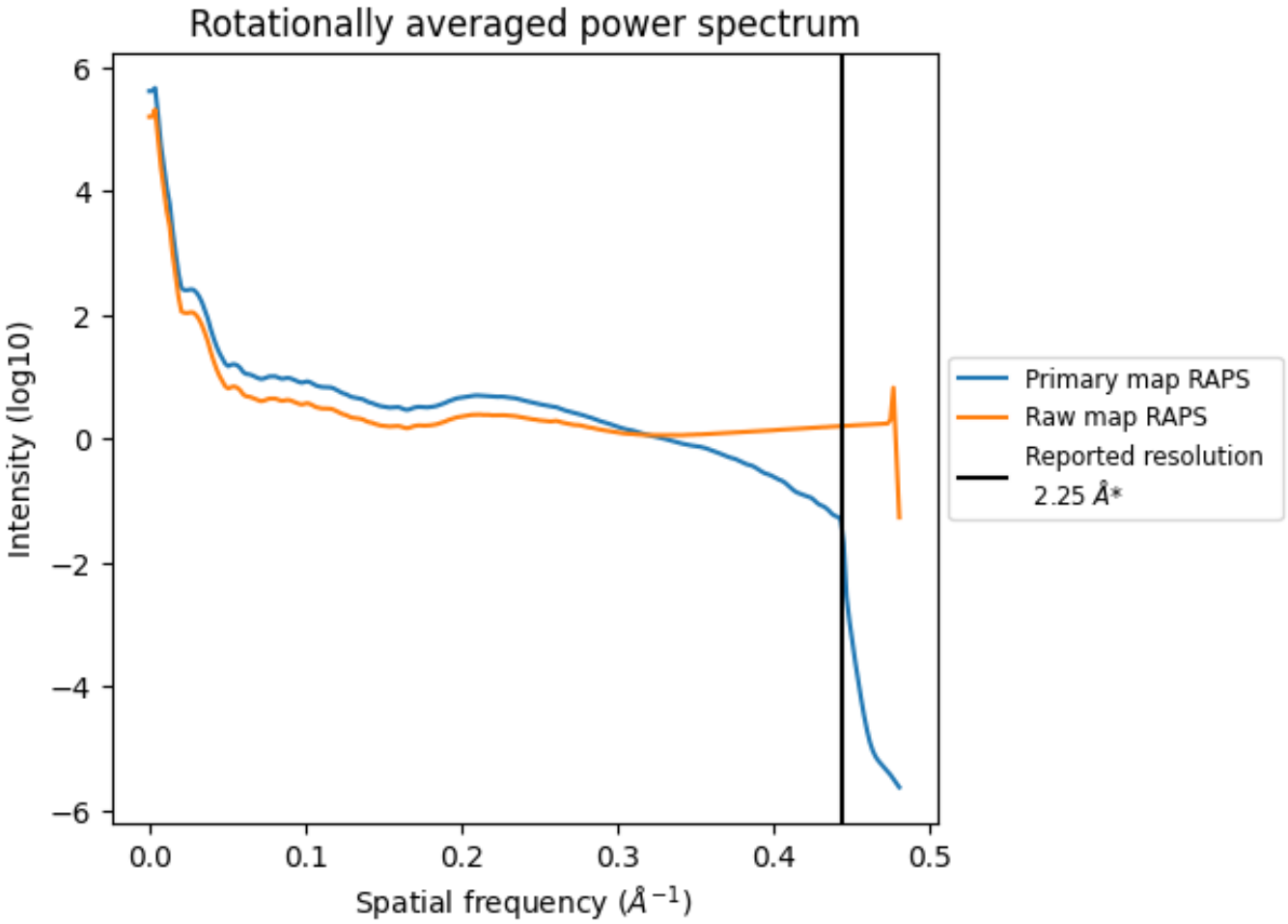
7.2 Volume estimate



The volume at the recommended contour level is 378 nm^3; this corresponds to an approximate mass of 341 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

7.3 Rotationally averaged power spectrum (i)

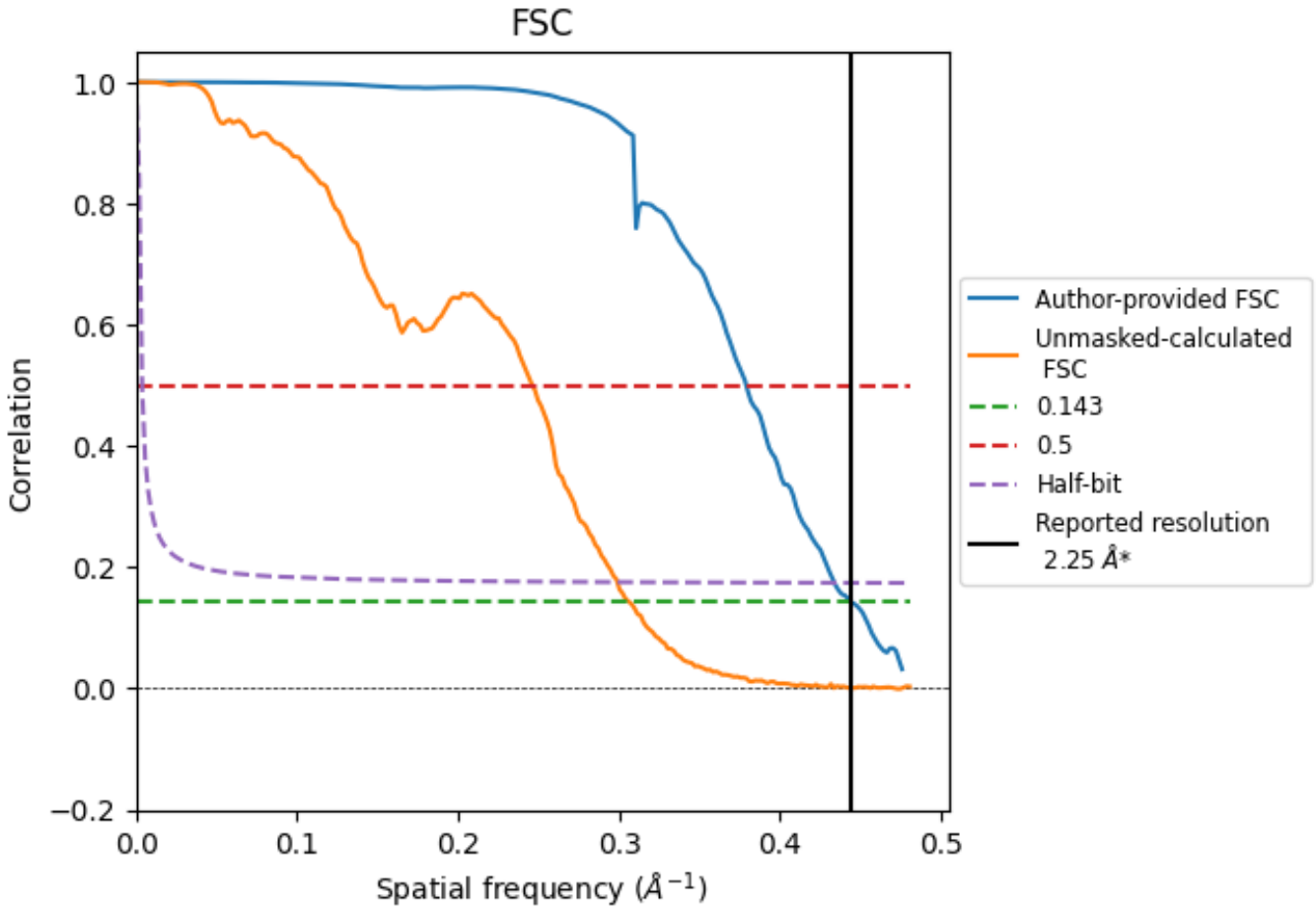


*Reported resolution corresponds to spatial frequency of 0.444 Å^{-1}

8 Fourier-Shell correlation

Fourier-Shell Correlation (FSC) is the most commonly used method to estimate the resolution of single-particle and subtomogram-averaged maps. The shape of the curve depends on the imposed symmetry, mask and whether or not the two 3D reconstructions used were processed from a common reference. The reported resolution is shown as a black line. A curve is displayed for the half-bit criterion in addition to lines showing the 0.143 gold standard cut-off and 0.5 cut-off.

8.1 FSC



*Reported resolution corresponds to spatial frequency of 0.444 Å^{-1}

8.2 Resolution estimates (i)

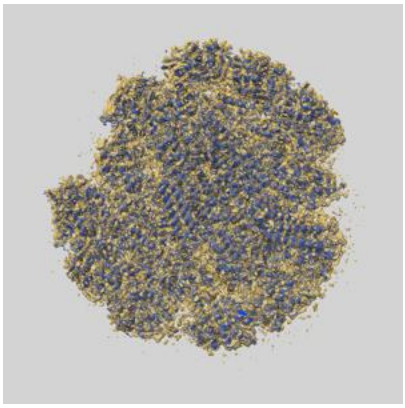
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	2.25	-	-
Author-provided FSC curve	2.25	2.64	2.30
Unmasked-calculated*	3.27	4.06	3.34

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps. The value from deposited half-maps intersecting FSC 0.143 CUT-OFF 3.27 differs from the reported value 2.25 by more than 10 %

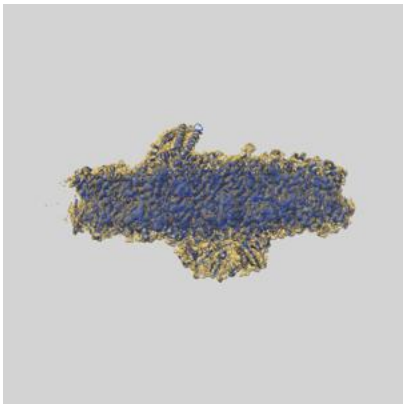
9 Map-model fit

This section contains information regarding the fit between EMDB map EMD-66373 and PDB model 9WYP. Per-residue inclusion information can be found in section 3 on page 43.

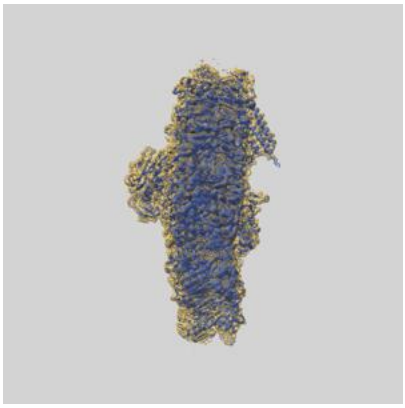
9.1 Map-model overlay



X



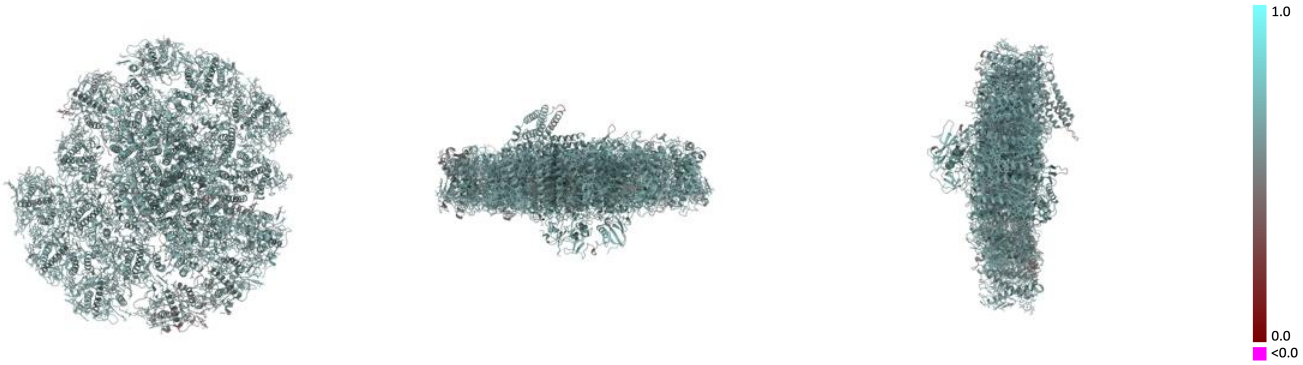
Y



Z

The images above show the 3D surface view of the map at the recommended contour level 0.1 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

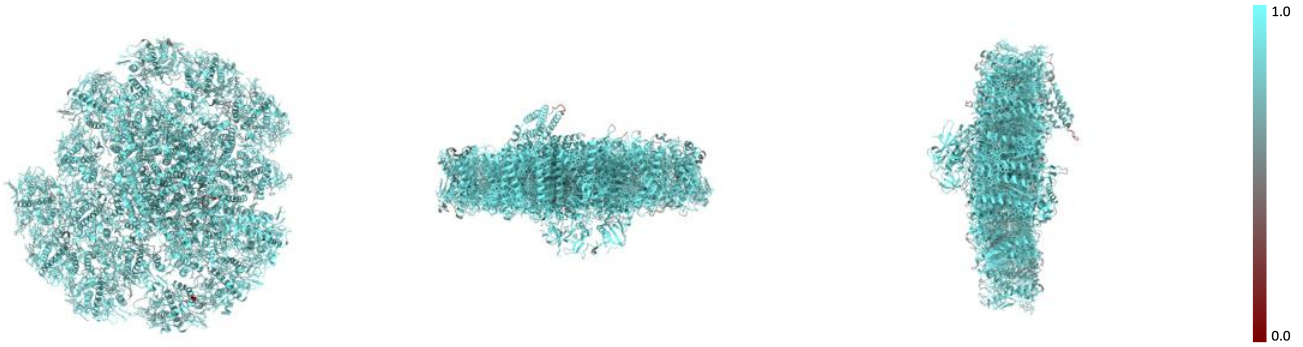
9.2 Q-score mapped to coordinate model



X Y Z

The images above show the model with each residue coloured according its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions at which atoms can be resolved. Low Q-score values may therefore be expected for many entries.

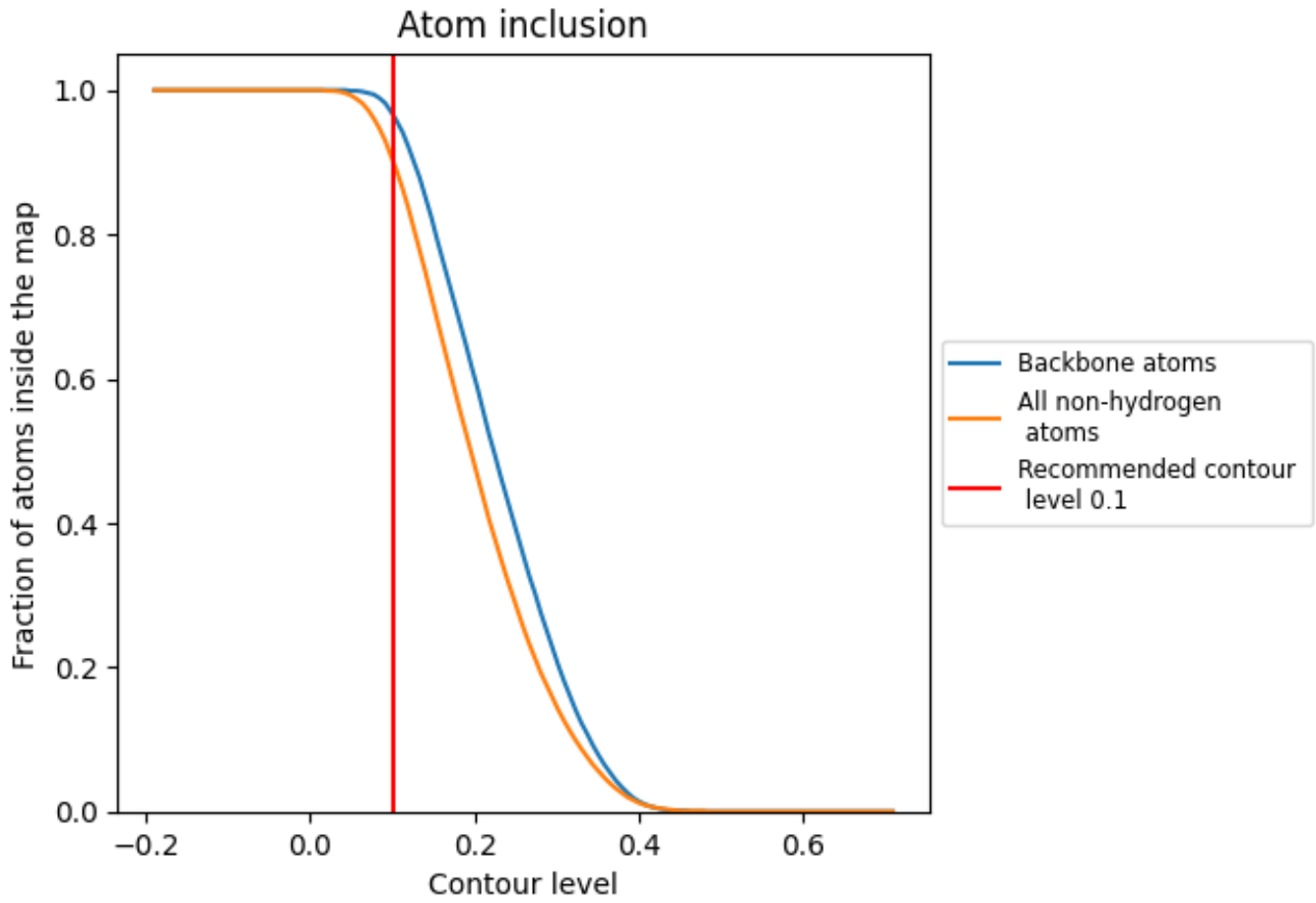
9.3 Atom inclusion mapped to coordinate model



X Y Z

The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.1).

9.4 Atom inclusion (i)



At the recommended contour level, 97% of all backbone atoms, 90% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (0.1) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	0.9040	0.6200
1	0.8350	0.5750
2	0.9170	0.6150
3	0.9330	0.6340
4	0.9310	0.6320
5	0.7930	0.5440
6	0.8870	0.5920
7	0.9110	0.5960
8	0.8910	0.6070
9	0.8420	0.6060
A	0.9590	0.6500
B	0.9660	0.6510
C	0.9760	0.6440
D	0.9180	0.6230
E	0.9100	0.6200
F	0.9150	0.6210
I	0.9430	0.6220
J	0.9630	0.6390
K	0.9160	0.6140
L	0.9240	0.6290
M	0.9270	0.6310
O	0.9150	0.6270
R	0.9430	0.6290
X	0.8100	0.5710
Z	0.8620	0.6150
a	0.8790	0.6160
b	0.8800	0.6070
c	0.8240	0.6010
d	0.8440	0.6140
e	0.8300	0.5990