



Full wwPDB Geometry-Only Validation Report ⓘ

Feb 14, 2024 – 03:34 AM EST

PDB ID : 3IRL
Title : Solution Structure of Heparin dp36
Authors : Khan, S.; Gor, J.; Mulloy, B.; Perkins, S.J.
Deposited on : 2009-08-24
Resolution : Not provided

This is a Full wwPDB Geometry-Only 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/XrayValidationReportHelp>

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:

MolProbity : 4.02b-467
Mogul : 1.8.5 (274361), CSD as541be (2020)
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.36

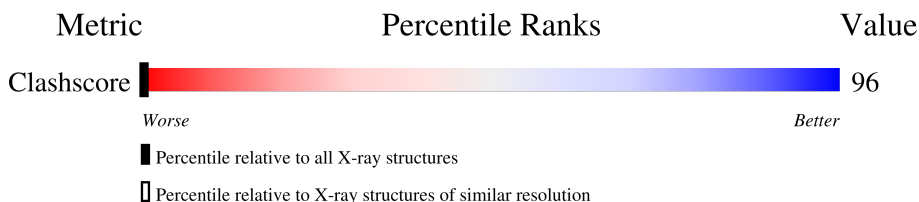
1 Overall quality at a glance i

The following experimental techniques were used to determine the structure:

SOLUTION SCATTERING

The reported resolution of this entry is unknown.

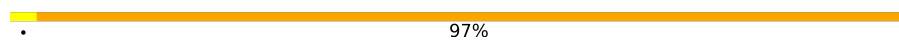


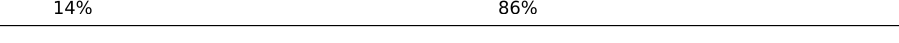
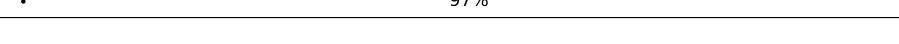





Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



| Metric | Whole archive (#Entries) | Similar resolution (#Entries, resolution range(Å)) |
|------------|-----------------------------|---|
| Clashscore | 141614 | - |

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower 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 $\leq 5\%$

Note EDS was not executed.

| Mol | Chain | Length | Quality of chain |
|-----|-------|--------|--|
| 1 | 1-A | 36 |  97% |
| 1 | 10-A | 36 |  11% 89% |
| 1 | 11-A | 36 |  17% 83% |
| 1 | 12-A | 36 |  14% 86% |
| 1 | 13-A | 36 |  97% |
| 1 | 14-A | 36 |  14% 86% |
| 1 | 2-A | 36 |  6% 94% |
| 1 | 3-A | 36 |  17% 83% |
| 1 | 4-A | 36 |  8% 92% |
| 1 | 5-A | 36 |  11% 89% |

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| Mol | Chain | Length | Quality of chain | |
|-----|-------|--------|------------------|-----|
| 1 | 6-A | 36 | 14% | 86% |
| 1 | 7-A | 36 | 17% | 83% |
| 1 | 8-A | 36 | 14% | 86% |
| 1 | 9-A | 36 | 14% | 86% |

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 |
|-----|------|-------|-----|-----------|----------|---------|------------------|
| 1 | SGN | 1-A | 17 | - | - | X | - |
| 1 | IDS | 1-A | 18 | - | - | X | - |
| 1 | IDS | 1-A | 22 | - | - | X | - |
| 1 | SGN | 1-A | 23 | - | - | X | - |
| 1 | IDS | 1-A | 24 | - | - | X | - |
| 1 | SGN | 1-A | 29 | - | - | X | - |
| 1 | IDS | 1-A | 30 | - | - | X | - |
| 1 | SGN | 1-A | 31 | - | - | X | - |
| 1 | IDS | 1-A | 32 | - | - | X | - |
| 1 | SGN | 1-A | 33 | - | - | X | - |
| 1 | IDS | 10-A | 10 | - | - | X | - |
| 1 | SGN | 10-A | 11 | - | - | X | - |
| 1 | IDS | 10-A | 12 | - | - | X | - |
| 1 | SGN | 10-A | 19 | - | - | X | - |
| 1 | IDS | 10-A | 20 | - | - | X | - |
| 1 | SGN | 10-A | 21 | - | - | X | - |
| 1 | IDS | 10-A | 22 | - | - | X | - |
| 1 | SGN | 10-A | 27 | - | - | X | - |
| 1 | IDS | 10-A | 28 | - | - | X | - |
| 1 | IDS | 10-A | 6 | - | - | X | - |
| 1 | SGN | 10-A | 9 | - | - | X | - |
| 1 | IDS | 11-A | 10 | - | - | X | - |
| 1 | IDS | 11-A | 12 | - | - | X | - |
| 1 | IDS | 11-A | 16 | - | - | X | - |
| 1 | SGN | 11-A | 21 | - | - | X | - |
| 1 | IDS | 11-A | 22 | - | - | X | - |
| 1 | IDS | 11-A | 28 | - | - | X | - |
| 1 | IDS | 11-A | 32 | - | - | X | - |
| 1 | SGN | 11-A | 33 | - | - | X | - |
| 1 | IDS | 11-A | 34 | - | - | X | - |

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| Mol | Type | Chain | Res | Chirality | Geometry | Clashes | Electron density |
|-----|------|-------|-----|-----------|----------|---------|------------------|
| 1 | IDS | 12-A | 10 | - | - | X | - |
| 1 | SGN | 12-A | 11 | - | - | X | - |
| 1 | SGN | 12-A | 13 | - | - | X | - |
| 1 | IDS | 12-A | 18 | - | - | X | - |
| 1 | SGN | 12-A | 19 | - | - | X | - |
| 1 | SGN | 12-A | 33 | - | - | X | - |
| 1 | IDS | 12-A | 8 | - | - | X | - |
| 1 | SGN | 12-A | 9 | - | - | X | - |
| 1 | IDS | 13-A | 14 | - | - | X | - |
| 1 | SGN | 13-A | 15 | - | - | X | - |
| 1 | IDS | 13-A | 16 | - | - | X | - |
| 1 | IDS | 13-A | 22 | - | - | X | - |
| 1 | IDS | 13-A | 26 | - | - | X | - |
| 1 | IDS | 13-A | 28 | - | - | X | - |
| 1 | SGN | 13-A | 29 | - | - | X | - |
| 1 | IDS | 13-A | 8 | - | - | X | - |
| 1 | SGN | 14-A | 1 | - | - | X | - |
| 1 | SGN | 14-A | 17 | - | - | X | - |
| 1 | IDS | 14-A | 18 | - | - | X | - |
| 1 | IDS | 14-A | 2 | - | - | X | - |
| 1 | IDS | 14-A | 20 | - | - | X | - |
| 1 | SGN | 14-A | 25 | - | - | X | - |
| 1 | IDS | 14-A | 26 | - | - | X | - |
| 1 | SGN | 14-A | 3 | - | - | X | - |
| 1 | IDS | 14-A | 4 | - | - | X | - |
| 1 | SGN | 14-A | 5 | - | - | X | - |
| 1 | IDS | 14-A | 6 | - | - | X | - |
| 1 | IDS | 14-A | 8 | - | - | X | - |
| 1 | IDS | 2-A | 10 | - | - | X | - |
| 1 | IDS | 2-A | 12 | - | - | X | - |
| 1 | SGN | 2-A | 13 | - | - | X | - |
| 1 | IDS | 2-A | 14 | - | - | X | - |
| 1 | IDS | 2-A | 18 | - | - | X | - |
| 1 | SGN | 2-A | 19 | - | - | X | - |
| 1 | IDS | 2-A | 20 | - | - | X | - |
| 1 | SGN | 2-A | 21 | - | - | X | - |
| 1 | IDS | 2-A | 22 | - | - | X | - |
| 1 | SGN | 2-A | 23 | - | - | X | - |
| 1 | IDS | 2-A | 28 | - | - | X | - |
| 1 | SGN | 2-A | 29 | - | - | X | - |
| 1 | IDS | 2-A | 30 | - | - | X | - |
| 1 | IDS | 2-A | 32 | - | - | X | - |

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| Mol | Type | Chain | Res | Chirality | Geometry | Clashes | Electron density |
|-----|------|-------|-----|-----------|----------|---------|------------------|
| 1 | SGN | 2-A | 33 | - | - | X | - |
| 1 | IDS | 2-A | 36 | - | - | X | - |
| 1 | IDS | 2-A | 6 | - | - | X | - |
| 1 | SGN | 2-A | 9 | - | - | X | - |
| 1 | IDS | 3-A | 22 | - | - | X | - |
| 1 | SGN | 3-A | 25 | - | - | X | - |
| 1 | IDS | 3-A | 26 | - | - | X | - |
| 1 | IDS | 3-A | 30 | - | - | X | - |
| 1 | SGN | 3-A | 31 | - | - | X | - |
| 1 | IDS | 4-A | 2 | - | - | X | - |
| 1 | SGN | 4-A | 21 | - | - | X | - |
| 1 | IDS | 4-A | 22 | - | - | X | - |
| 1 | IDS | 4-A | 30 | - | - | X | - |
| 1 | SGN | 4-A | 31 | - | - | X | - |
| 1 | IDS | 4-A | 34 | - | - | X | - |
| 1 | SGN | 4-A | 35 | - | - | X | - |
| 1 | IDS | 4-A | 6 | - | - | X | - |
| 1 | IDS | 5-A | 16 | - | - | X | - |
| 1 | SGN | 5-A | 17 | - | - | X | - |
| 1 | IDS | 5-A | 18 | - | - | X | - |
| 1 | IDS | 5-A | 26 | - | - | X | - |
| 1 | SGN | 5-A | 29 | - | - | X | - |
| 1 | SGN | 5-A | 3 | - | - | X | - |
| 1 | IDS | 5-A | 30 | - | - | X | - |
| 1 | IDS | 5-A | 4 | - | - | X | - |
| 1 | IDS | 6-A | 10 | - | - | X | - |
| 1 | SGN | 6-A | 11 | - | - | X | - |
| 1 | IDS | 6-A | 12 | - | - | X | - |
| 1 | IDS | 6-A | 16 | - | - | X | - |
| 1 | SGN | 6-A | 17 | - | - | X | - |
| 1 | SGN | 6-A | 21 | - | - | X | - |
| 1 | IDS | 6-A | 22 | - | - | X | - |
| 1 | SGN | 6-A | 23 | - | - | X | - |
| 1 | IDS | 6-A | 26 | - | - | X | - |
| 1 | SGN | 6-A | 27 | - | - | X | - |
| 1 | IDS | 6-A | 28 | - | - | X | - |
| 1 | SGN | 6-A | 29 | - | - | X | - |
| 1 | IDS | 6-A | 4 | - | - | X | - |
| 1 | SGN | 6-A | 5 | - | - | X | - |
| 1 | IDS | 6-A | 6 | - | - | X | - |
| 1 | SGN | 6-A | 7 | - | - | X | - |
| 1 | SGN | 7-A | 13 | - | - | X | - |

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| Mol | Type | Chain | Res | Chirality | Geometry | Clashes | Electron density |
|-----|------|-------|-----|-----------|----------|---------|------------------|
| 1 | IDS | 7-A | 14 | - | - | X | - |
| 1 | SGN | 7-A | 15 | - | - | X | - |
| 1 | IDS | 7-A | 16 | - | - | X | - |
| 1 | IDS | 7-A | 18 | - | - | X | - |
| 1 | SGN | 7-A | 19 | - | - | X | - |
| 1 | SGN | 7-A | 23 | - | - | X | - |
| 1 | IDS | 7-A | 24 | - | - | X | - |
| 1 | SGN | 7-A | 25 | - | - | X | - |
| 1 | SGN | 7-A | 3 | - | - | X | - |
| 1 | IDS | 7-A | 32 | - | - | X | - |
| 1 | SGN | 7-A | 33 | - | - | X | - |
| 1 | IDS | 7-A | 4 | - | - | X | - |
| 1 | SGN | 7-A | 5 | - | - | X | - |
| 1 | SGN | 7-A | 9 | - | - | X | - |
| 1 | SGN | 8-A | 11 | - | - | X | - |
| 1 | IDS | 8-A | 12 | - | - | X | - |
| 1 | SGN | 8-A | 17 | - | - | X | - |
| 1 | IDS | 8-A | 18 | - | - | X | - |
| 1 | IDS | 8-A | 30 | - | - | X | - |
| 1 | SGN | 8-A | 31 | - | - | X | - |
| 1 | IDS | 9-A | 12 | - | - | X | - |
| 1 | SGN | 9-A | 13 | - | - | X | - |
| 1 | IDS | 9-A | 30 | - | - | X | - |
| 1 | SGN | 9-A | 31 | - | - | X | - |

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| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|----|-----|----|---------|---------|-------|
| 1 | 7-A | 36 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 630 | 216 | 18 | 342 | 54 | | | |
| 1 | 8-A | 36 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 630 | 216 | 18 | 342 | 54 | | | |
| 1 | 9-A | 36 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 630 | 216 | 18 | 342 | 54 | | | |
| 1 | 10-A | 36 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 630 | 216 | 18 | 342 | 54 | | | |
| 1 | 11-A | 36 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 630 | 216 | 18 | 342 | 54 | | | |
| 1 | 12-A | 36 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 630 | 216 | 18 | 342 | 54 | | | |
| 1 | 13-A | 36 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 630 | 216 | 18 | 342 | 54 | | | |
| 1 | 14-A | 36 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 630 | 216 | 18 | 342 | 54 | | | |

se

Chain 14-A:  14% 86%

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SGM1 | IDS2 | SGM3 | IDS4 | SGM5 | IDS6 | SGM7 | IDS8 | SGM9 | IDS10 | SGM11 | IDS12 | SGM13 | IDS14 | SGM15 | IDS16 | SGM17 | IDS18 | SGM19 | IDS20 | SGM21 | IDS22 | SGM23 | IDS24 | SGM25 | IDS26 | SGM27 | IDS28 | SGM29 | IDS30 | SGM31 | IDS32 | SGM33 | IDS34 | SGM35 | IDS36 |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|

4 Model quality [i](#)

4.1 Standard geometry [i](#)

Bond lengths and bond angles in the following residue types are not validated in this section: SGN, IDS

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).

There are no protein, RNA or DNA chains available to summarize Z scores of covalent bonds and angles.

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

4.2 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-A | 630 | 0 | 192 | 95 | 0 |
| 1 | 2-A | 630 | 0 | 196 | 99 | 0 |
| 1 | 3-A | 630 | 0 | 198 | 60 | 0 |
| 1 | 4-A | 630 | 0 | 197 | 76 | 0 |
| 1 | 5-A | 630 | 0 | 197 | 72 | 0 |
| 1 | 6-A | 630 | 0 | 195 | 89 | 0 |
| 1 | 7-A | 630 | 0 | 196 | 104 | 0 |
| 1 | 8-A | 630 | 0 | 194 | 61 | 0 |
| 1 | 9-A | 630 | 0 | 197 | 60 | 0 |
| 1 | 10-A | 630 | 0 | 192 | 97 | 0 |
| 1 | 11-A | 630 | 0 | 196 | 63 | 0 |
| 1 | 12-A | 630 | 0 | 196 | 75 | 0 |
| 1 | 13-A | 630 | 0 | 198 | 77 | 0 |
| 1 | 14-A | 630 | 0 | 195 | 84 | 0 |
| All | All | 8820 | 0 | 2739 | 1112 | 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 96.

All (1112) 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) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:24:IDS:H3 | 1:A:25:SGN:N2 | 1.23 | 1.51 |
| 1:A:32:IDS:H3 | 1:A:33:SGN:N2 | 1.20 | 1.51 |
| 1:A:16:IDS:H3 | 1:A:17:SGN:S1 | 1.47 | 1.50 |
| 1:A:30:IDS:H3 | 1:A:31:SGN:N2 | 1.20 | 1.47 |
| 1:A:18:IDS:H3 | 1:A:19:SGN:N2 | 1.30 | 1.45 |
| 1:A:27:SGN:H61 | 1:A:28:IDS:S | 1.60 | 1.42 |
| 1:A:28:IDS:H3 | 1:A:29:SGN:N2 | 1.30 | 1.41 |
| 1:A:27:SGN:C6 | 1:A:28:IDS:O2S | 1.68 | 1.41 |
| 1:A:22:IDS:H3 | 1:A:23:SGN:N2 | 1.34 | 1.40 |
| 1:A:18:IDS:H3 | 1:A:19:SGN:N2 | 1.37 | 1.39 |
| 1:A:4:IDS:H3 | 1:A:5:SGN:N2 | 1.39 | 1.37 |
| 1:A:34:IDS:H3 | 1:A:35:SGN:N2 | 1.40 | 1.36 |
| 1:A:30:IDS:H3 | 1:A:31:SGN:N2 | 1.02 | 1.35 |
| 1:A:24:IDS:H3 | 1:A:25:SGN:N2 | 1.39 | 1.35 |
| 1:A:16:IDS:H3 | 1:A:17:SGN:N2 | 1.41 | 1.33 |
| 1:A:6:IDS:H3 | 1:A:7:SGN:N2 | 1.03 | 1.33 |
| 1:A:5:SGN:C6 | 1:A:6:IDS:O2S | 1.76 | 1.32 |
| 1:A:26:IDS:H3 | 1:A:27:SGN:N2 | 1.44 | 1.31 |
| 1:A:22:IDS:H3 | 1:A:23:SGN:N2 | 1.46 | 1.30 |
| 1:A:12:IDS:C3 | 1:A:13:SGN:N2 | 1.93 | 1.30 |
| 1:A:6:IDS:C3 | 1:A:7:SGN:N2 | 1.92 | 1.30 |
| 1:A:3:SGN:H61 | 1:A:4:IDS:O2S | 1.27 | 1.29 |
| 1:A:11:SGN:H61 | 1:A:12:IDS:O2S | 1.30 | 1.29 |
| 1:A:30:IDS:C3 | 1:A:31:SGN:N2 | 1.95 | 1.29 |
| 1:A:10:IDS:H3 | 1:A:11:SGN:N2 | 1.45 | 1.29 |
| 1:A:12:IDS:H3 | 1:A:13:SGN:N2 | 0.97 | 1.28 |
| 1:A:22:IDS:H3 | 1:A:23:SGN:O1S | 1.20 | 1.28 |
| 1:A:22:IDS:H3 | 1:A:23:SGN:N2 | 1.48 | 1.28 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:H5 | 1.33 | 1.27 |
| 1:A:31:SGN:H61 | 1:A:32:IDS:O2S | 1.34 | 1.27 |
| 1:A:3:SGN:O3 | 1:A:4:IDS:H5 | 1.31 | 1.27 |
| 1:A:32:IDS:H3 | 1:A:33:SGN:N2 | 1.09 | 1.27 |
| 1:A:27:SGN:H61 | 1:A:28:IDS:O2S | 1.31 | 1.27 |
| 1:A:26:IDS:C3 | 1:A:27:SGN:N2 | 1.97 | 1.26 |
| 1:A:32:IDS:H3 | 1:A:33:SGN:S1 | 1.73 | 1.26 |
| 1:A:13:SGN:O4S | 1:A:14:IDS:S | 1.93 | 1.25 |
| 1:A:27:SGN:H61 | 1:A:28:IDS:O2S | 1.29 | 1.25 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:33:SGN:O3 | 1:A:34:IDS:C5 | 1.83 | 1.25 |
| 1:A:24:IDS:S | 1:A:25:SGN:O3S | 1.94 | 1.25 |
| 1:A:34:IDS:H3 | 1:A:35:SGN:S1 | 1.69 | 1.24 |
| 1:A:35:SGN:O4S | 1:A:36:IDS:O1S | 1.56 | 1.24 |
| 1:A:30:IDS:H3 | 1:A:31:SGN:S1 | 1.78 | 1.24 |
| 1:A:16:IDS:C3 | 1:A:17:SGN:S1 | 2.18 | 1.24 |
| 1:A:34:IDS:H3 | 1:A:35:SGN:O1S | 1.06 | 1.23 |
| 1:A:27:SGN:C6 | 1:A:28:IDS:O2S | 1.84 | 1.23 |
| 1:A:22:IDS:O2 | 1:A:23:SGN:O3S | 1.56 | 1.23 |
| 1:A:10:IDS:H3 | 1:A:11:SGN:N2 | 1.50 | 1.23 |
| 1:A:31:SGN:O4S | 1:A:32:IDS:O1S | 1.52 | 1.23 |
| 1:A:22:IDS:C3 | 1:A:23:SGN:O3S | 1.86 | 1.23 |
| 1:A:24:IDS:O3S | 1:A:25:SGN:O3S | 1.53 | 1.22 |
| 1:A:22:IDS:O3 | 1:A:23:SGN:O3S | 1.54 | 1.22 |
| 1:A:27:SGN:H61 | 1:A:28:IDS:O2S | 1.06 | 1.22 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:C5 | 1.88 | 1.22 |
| 1:A:6:IDS:H3 | 1:A:7:SGN:N2 | 1.53 | 1.22 |
| 1:A:26:IDS:O3 | 1:A:27:SGN:O3S | 1.56 | 1.21 |
| 1:A:8:IDS:H3 | 1:A:9:SGN:N2 | 1.56 | 1.21 |
| 1:A:20:IDS:H3 | 1:A:21:SGN:O1S | 1.36 | 1.21 |
| 1:A:33:SGN:O6S | 1:A:34:IDS:O1S | 1.54 | 1.21 |
| 1:A:16:IDS:H3 | 1:A:17:SGN:N2 | 1.52 | 1.21 |
| 1:A:16:IDS:H3 | 1:A:17:SGN:O1S | 1.04 | 1.20 |
| 1:A:3:SGN:O3 | 1:A:4:IDS:C5 | 1.88 | 1.20 |
| 1:A:22:IDS:H3 | 1:A:23:SGN:O1S | 1.39 | 1.20 |
| 1:A:17:SGN:C6 | 1:A:18:IDS:O2S | 1.90 | 1.20 |
| 1:A:16:IDS:C3 | 1:A:17:SGN:O1S | 1.90 | 1.20 |
| 1:A:32:IDS:C3 | 1:A:33:SGN:S1 | 2.25 | 1.19 |
| 1:A:34:IDS:H3 | 1:A:35:SGN:N2 | 1.57 | 1.19 |
| 1:A:31:SGN:H61 | 1:A:32:IDS:O2S | 1.05 | 1.19 |
| 1:A:34:IDS:O3 | 1:A:35:SGN:O3S | 1.58 | 1.19 |
| 1:A:22:IDS:O3 | 1:A:23:SGN:N2 | 1.75 | 1.18 |
| 1:A:12:IDS:O6A | 1:A:13:SGN:H5 | 1.39 | 1.18 |
| 1:A:16:IDS:O6A | 1:A:17:SGN:H62 | 1.40 | 1.18 |
| 1:A:31:SGN:O3 | 1:A:32:IDS:C5 | 1.91 | 1.18 |
| 1:A:32:IDS:C3 | 1:A:33:SGN:N2 | 2.05 | 1.18 |
| 1:A:17:SGN:O4S | 1:A:18:IDS:O1S | 1.59 | 1.17 |
| 1:A:4:IDS:O6A | 1:A:5:SGN:C5 | 1.91 | 1.17 |
| 1:A:14:IDS:H3 | 1:A:15:SGN:N2 | 1.58 | 1.17 |
| 1:A:22:IDS:O3 | 1:A:23:SGN:S1 | 2.02 | 1.17 |
| 1:A:10:IDS:C3 | 1:A:11:SGN:N2 | 1.97 | 1.17 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:34:IDS:C3 | 1:A:35:SGN:O1S | 1.93 | 1.17 |
| 1:A:16:IDS:C3 | 1:A:17:SGN:N2 | 2.08 | 1.16 |
| 1:A:12:IDS:O3 | 1:A:13:SGN:O1S | 1.60 | 1.16 |
| 1:A:19:SGN:O3 | 1:A:20:IDS:C5 | 1.94 | 1.16 |
| 1:A:30:IDS:C3 | 1:A:31:SGN:S1 | 2.33 | 1.15 |
| 1:A:20:IDS:O6A | 1:A:21:SGN:C5 | 1.94 | 1.15 |
| 1:A:27:SGN:H61 | 1:A:28:IDS:O2S | 1.45 | 1.15 |
| 1:A:30:IDS:O3 | 1:A:31:SGN:O1S | 1.65 | 1.15 |
| 1:A:32:IDS:O6A | 1:A:33:SGN:H62 | 1.45 | 1.15 |
| 1:A:31:SGN:H61 | 1:A:32:IDS:O2S | 1.43 | 1.15 |
| 1:A:31:SGN:C6 | 1:A:32:IDS:O2S | 1.92 | 1.14 |
| 1:A:29:SGN:H61 | 1:A:30:IDS:O2S | 1.44 | 1.14 |
| 1:A:9:SGN:H61 | 1:A:10:IDS:O1S | 1.41 | 1.14 |
| 1:A:23:SGN:O5S | 1:A:24:IDS:O5 | 1.66 | 1.14 |
| 1:A:33:SGN:O3 | 1:A:34:IDS:C5 | 1.94 | 1.14 |
| 1:A:22:IDS:H3 | 1:A:23:SGN:S1 | 1.86 | 1.14 |
| 1:A:31:SGN:C6 | 1:A:32:IDS:O2S | 1.94 | 1.14 |
| 1:A:33:SGN:H61 | 1:A:34:IDS:O2S | 1.44 | 1.14 |
| 1:A:16:IDS:O3 | 1:A:17:SGN:O1S | 1.64 | 1.14 |
| 1:A:27:SGN:C6 | 1:A:28:IDS:O2S | 1.95 | 1.14 |
| 1:A:4:IDS:O2 | 1:A:5:SGN:O3S | 1.64 | 1.14 |
| 1:A:30:IDS:H3 | 1:A:31:SGN:O1S | 1.45 | 1.14 |
| 1:A:10:IDS:O3S | 1:A:11:SGN:O3S | 1.65 | 1.13 |
| 1:A:27:SGN:O4S | 1:A:28:IDS:O1S | 1.67 | 1.13 |
| 1:A:33:SGN:O3 | 1:A:34:IDS:H5 | 1.39 | 1.13 |
| 1:A:27:SGN:H62 | 1:A:28:IDS:O2S | 1.41 | 1.13 |
| 1:A:12:IDS:H3 | 1:A:13:SGN:N2 | 1.63 | 1.13 |
| 1:A:32:IDS:O2 | 1:A:33:SGN:O3S | 1.66 | 1.13 |
| 1:A:10:IDS:O3 | 1:A:11:SGN:O3S | 1.67 | 1.13 |
| 1:A:8:IDS:C3 | 1:A:9:SGN:N2 | 2.12 | 1.13 |
| 1:A:4:IDS:O6A | 1:A:5:SGN:H5 | 1.43 | 1.12 |
| 1:A:32:IDS:H3 | 1:A:33:SGN:O1S | 1.46 | 1.12 |
| 1:A:10:IDS:H3 | 1:A:11:SGN:N2 | 1.62 | 1.13 |
| 1:A:8:IDS:O6A | 1:A:9:SGN:H5 | 1.47 | 1.12 |
| 1:A:24:IDS:C3 | 1:A:25:SGN:N2 | 2.12 | 1.11 |
| 1:A:1:SGN:O3 | 1:A:2:IDS:H5 | 1.50 | 1.11 |
| 1:A:17:SGN:H61 | 1:A:18:IDS:O2S | 0.96 | 1.11 |
| 1:A:26:IDS:O3 | 1:A:27:SGN:S1 | 2.09 | 1.10 |
| 1:A:27:SGN:C6 | 1:A:28:IDS:O2S | 1.99 | 1.10 |
| 1:A:14:IDS:H3 | 1:A:15:SGN:O1S | 1.51 | 1.10 |
| 1:A:15:SGN:O5S | 1:A:17:SGN:O3S | 1.69 | 1.10 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:35:SGN:H61 | 1:A:36:IDS:O2S | 1.47 | 1.10 |
| 1:A:31:SGN:H61 | 1:A:32:IDS:S | 1.92 | 1.10 |
| 1:A:20:IDS:O3 | 1:A:21:SGN:N2 | 1.82 | 1.10 |
| 1:A:6:IDS:H3 | 1:A:7:SGN:N2 | 1.66 | 1.10 |
| 1:A:32:IDS:O6A | 1:A:33:SGN:C6 | 1.99 | 1.10 |
| 1:A:27:SGN:H61 | 1:A:28:IDS:O2S | 1.47 | 1.10 |
| 1:A:27:SGN:C6 | 1:A:28:IDS:S | 2.39 | 1.10 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:H5 | 1.51 | 1.09 |
| 1:A:18:IDS:H3 | 1:A:19:SGN:N2 | 1.67 | 1.09 |
| 1:A:29:SGN:O3 | 1:A:30:IDS:H5 | 1.47 | 1.09 |
| 1:A:7:SGN:H5 | 1:A:8:IDS:O2S | 1.48 | 1.09 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:C5 | 2.00 | 1.09 |
| 1:A:35:SGN:S2 | 1:A:36:IDS:O1S | 2.08 | 1.09 |
| 1:A:18:IDS:H3 | 1:A:19:SGN:N2 | 1.66 | 1.09 |
| 1:A:34:IDS:C3 | 1:A:35:SGN:S1 | 2.35 | 1.09 |
| 1:A:32:IDS:C6 | 1:A:33:SGN:H5 | 1.82 | 1.09 |
| 1:A:34:IDS:O3 | 1:A:35:SGN:O1S | 1.71 | 1.09 |
| 1:A:32:IDS:C3 | 1:A:33:SGN:N2 | 2.16 | 1.09 |
| 1:A:10:IDS:H3 | 1:A:11:SGN:O1S | 1.53 | 1.08 |
| 1:A:18:IDS:C3 | 1:A:19:SGN:N2 | 2.15 | 1.08 |
| 1:A:33:SGN:O3 | 1:A:34:IDS:C6 | 2.02 | 1.08 |
| 1:A:8:IDS:O6A | 1:A:9:SGN:C5 | 2.01 | 1.08 |
| 1:A:22:IDS:C3 | 1:A:23:SGN:N2 | 2.17 | 1.08 |
| 1:A:26:IDS:O3 | 1:A:27:SGN:S1 | 2.09 | 1.08 |
| 1:A:21:SGN:H61 | 1:A:22:IDS:O2S | 1.54 | 1.08 |
| 1:A:32:IDS:O6A | 1:A:33:SGN:C5 | 2.02 | 1.08 |
| 1:A:17:SGN:O4S | 1:A:18:IDS:S | 2.10 | 1.08 |
| 1:A:24:IDS:C3 | 1:A:25:SGN:O1S | 2.02 | 1.08 |
| 1:A:1:SGN:O3 | 1:A:2:IDS:H5 | 1.54 | 1.08 |
| 1:A:16:IDS:O6A | 1:A:17:SGN:C6 | 2.01 | 1.08 |
| 1:A:19:SGN:H61 | 1:A:20:IDS:O2S | 1.54 | 1.07 |
| 1:A:10:IDS:C3 | 1:A:11:SGN:N2 | 2.18 | 1.07 |
| 1:A:31:SGN:O3 | 1:A:32:IDS:C6 | 2.01 | 1.07 |
| 1:A:15:SGN:O3 | 1:A:16:IDS:H5 | 1.52 | 1.06 |
| 1:A:30:IDS:C3 | 1:A:31:SGN:N2 | 2.16 | 1.06 |
| 1:A:24:IDS:H3 | 1:A:25:SGN:O1S | 1.54 | 1.06 |
| 1:A:8:IDS:H3 | 1:A:9:SGN:N2 | 1.70 | 1.06 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:C5 | 2.03 | 1.06 |
| 1:A:16:IDS:C6 | 1:A:17:SGN:H5 | 1.85 | 1.06 |
| 1:A:33:SGN:O3 | 1:A:34:IDS:C6 | 2.02 | 1.06 |
| 1:A:11:SGN:O4S | 1:A:12:IDS:O1S | 1.72 | 1.06 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:30:IDS:C3 | 1:A:31:SGN:O1S | 2.04 | 1.05 |
| 1:A:35:SGN:O4S | 1:A:36:IDS:O1S | 1.73 | 1.04 |
| 1:A:31:SGN:H61 | 1:A:32:IDS:O2S | 1.57 | 1.04 |
| 1:A:27:SGN:C6 | 1:A:28:IDS:O2S | 2.05 | 1.04 |
| 1:A:12:IDS:O6A | 1:A:13:SGN:C5 | 2.06 | 1.04 |
| 1:A:14:IDS:O3 | 1:A:15:SGN:O3S | 1.73 | 1.04 |
| 1:A:19:SGN:O3 | 1:A:20:IDS:H5 | 1.54 | 1.03 |
| 1:A:17:SGN:H61 | 1:A:18:IDS:O2S | 1.57 | 1.03 |
| 1:A:11:SGN:O4S | 1:A:12:IDS:O2 | 1.76 | 1.03 |
| 1:A:10:IDS:H3 | 1:A:11:SGN:N2 | 1.73 | 1.03 |
| 1:A:13:SGN:O4S | 1:A:14:IDS:O2 | 1.75 | 1.03 |
| 1:A:28:IDS:O6A | 1:A:29:SGN:C5 | 2.07 | 1.03 |
| 1:A:28:IDS:C3 | 1:A:29:SGN:N2 | 2.22 | 1.02 |
| 1:A:1:SGN:O6 | 1:A:2:IDS:O5 | 1.75 | 1.02 |
| 1:A:6:IDS:H3 | 1:A:7:SGN:N2 | 1.75 | 1.02 |
| 1:A:13:SGN:O3 | 1:A:14:IDS:H5 | 1.56 | 1.02 |
| 1:A:20:IDS:O6A | 1:A:21:SGN:C6 | 2.07 | 1.02 |
| 1:A:3:SGN:C6 | 1:A:4:IDS:O2S | 2.07 | 1.02 |
| 1:A:33:SGN:HO3 | 1:A:34:IDS:C6 | 1.71 | 1.02 |
| 1:A:13:SGN:O4S | 1:A:14:IDS:O1S | 1.77 | 1.02 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:H5 | 1.58 | 1.02 |
| 1:A:22:IDS:C2 | 1:A:23:SGN:O3S | 2.08 | 1.02 |
| 1:A:19:SGN:O3 | 1:A:20:IDS:C6 | 2.08 | 1.01 |
| 1:A:20:IDS:H3 | 1:A:21:SGN:O1S | 1.60 | 1.01 |
| 1:A:29:SGN:O3 | 1:A:30:IDS:O6B | 1.79 | 1.01 |
| 1:A:20:IDS:H3 | 1:A:21:SGN:N2 | 1.76 | 1.01 |
| 1:A:5:SGN:H61 | 1:A:6:IDS:O2S | 0.84 | 1.00 |
| 1:A:17:SGN:O3 | 1:A:18:IDS:H5 | 1.61 | 1.00 |
| 1:A:29:SGN:H61 | 1:A:30:IDS:O5 | 1.60 | 1.00 |
| 1:A:22:IDS:C3 | 1:A:23:SGN:N2 | 2.23 | 1.00 |
| 1:A:33:SGN:H61 | 1:A:34:IDS:S | 2.01 | 1.00 |
| 1:A:21:SGN:O4S | 1:A:22:IDS:O5 | 1.79 | 1.00 |
| 1:A:35:SGN:C6 | 1:A:36:IDS:O2S | 2.10 | 1.00 |
| 1:A:35:SGN:O3 | 1:A:36:IDS:C6 | 2.10 | 1.00 |
| 1:A:19:SGN:O3 | 1:A:20:IDS:H5 | 1.62 | 1.00 |
| 1:A:2:IDS:C3 | 1:A:3:SGN:N2 | 2.25 | 0.99 |
| 1:A:20:IDS:C3 | 1:A:21:SGN:O1S | 2.10 | 0.99 |
| 1:A:9:SGN:O4S | 1:A:10:IDS:O2 | 1.79 | 0.99 |
| 1:A:17:SGN:C6 | 1:A:18:IDS:O2S | 2.09 | 0.99 |
| 1:A:29:SGN:O4S | 1:A:30:IDS:O1S | 1.80 | 0.99 |
| 1:A:22:IDS:C3 | 1:A:23:SGN:O1S | 2.10 | 0.99 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:31:SGN:O3 | 1:A:32:IDS:H5 | 1.58 | 0.99 |
| 1:A:28:IDS:C3 | 1:A:29:SGN:N2 | 2.25 | 0.99 |
| 1:A:10:IDS:C3 | 1:A:11:SGN:N2 | 2.23 | 0.98 |
| 1:A:9:SGN:O4S | 1:A:10:IDS:C1 | 2.12 | 0.98 |
| 1:A:35:SGN:O3 | 1:A:36:IDS:C5 | 2.12 | 0.98 |
| 1:A:26:IDS:O3 | 1:A:27:SGN:N2 | 1.95 | 0.98 |
| 1:A:20:IDS:C3 | 1:A:21:SGN:O1S | 2.10 | 0.98 |
| 1:A:5:SGN:H61 | 1:A:6:IDS:O2S | 1.62 | 0.98 |
| 1:A:32:IDS:O3 | 1:A:33:SGN:S1 | 2.20 | 0.97 |
| 1:A:22:IDS:O3 | 1:A:23:SGN:S1 | 2.21 | 0.97 |
| 1:A:26:IDS:O3 | 1:A:27:SGN:O1S | 1.69 | 0.97 |
| 1:A:12:IDS:C3 | 1:A:13:SGN:O1S | 2.12 | 0.97 |
| 1:A:2:IDS:O6A | 1:A:3:SGN:H5 | 1.64 | 0.97 |
| 1:A:19:SGN:H5 | 1:A:20:IDS:O2S | 1.62 | 0.97 |
| 1:A:33:SGN:O3 | 1:A:34:IDS:H5 | 1.63 | 0.97 |
| 1:A:28:IDS:H3 | 1:A:29:SGN:N2 | 1.79 | 0.97 |
| 1:A:18:IDS:O6A | 1:A:19:SGN:C5 | 2.13 | 0.97 |
| 1:A:28:IDS:O3 | 1:A:29:SGN:N2 | 1.98 | 0.97 |
| 1:A:10:IDS:O3 | 1:A:11:SGN:S1 | 2.21 | 0.97 |
| 1:A:14:IDS:H3 | 1:A:15:SGN:N2 | 1.79 | 0.97 |
| 1:A:16:IDS:O3 | 1:A:17:SGN:S1 | 2.22 | 0.97 |
| 1:A:20:IDS:O6A | 1:A:21:SGN:H62 | 1.65 | 0.96 |
| 1:A:30:IDS:O3 | 1:A:31:SGN:S1 | 2.22 | 0.96 |
| 1:A:32:IDS:H3 | 1:A:33:SGN:N2 | 1.80 | 0.96 |
| 1:A:4:IDS:O3 | 1:A:5:SGN:O3S | 1.80 | 0.96 |
| 1:A:18:IDS:H3 | 1:A:19:SGN:S1 | 2.05 | 0.96 |
| 1:A:35:SGN:O4S | 1:A:36:IDS:S | 2.23 | 0.96 |
| 1:A:31:SGN:HO3 | 1:A:32:IDS:C6 | 1.77 | 0.96 |
| 1:A:9:SGN:O4S | 1:A:10:IDS:O5 | 1.83 | 0.96 |
| 1:A:20:IDS:H3 | 1:A:21:SGN:S1 | 2.04 | 0.96 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:C6 | 2.14 | 0.96 |
| 1:A:12:IDS:H3 | 1:A:13:SGN:N2 | 1.79 | 0.96 |
| 1:A:33:SGN:O4S | 1:A:34:IDS:O5 | 1.84 | 0.95 |
| 1:A:16:IDS:O6A | 1:A:17:SGN:C5 | 2.14 | 0.95 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:C6 | 2.14 | 0.95 |
| 1:A:18:IDS:O2 | 1:A:19:SGN:O3S | 1.85 | 0.95 |
| 1:A:24:IDS:O2 | 1:A:25:SGN:O3S | 1.82 | 0.95 |
| 1:A:21:SGN:HO3 | 1:A:22:IDS:C6 | 1.79 | 0.95 |
| 1:A:10:IDS:H3 | 1:A:11:SGN:N2 | 1.81 | 0.95 |
| 1:A:30:IDS:O3 | 1:A:31:SGN:O1S | 1.82 | 0.95 |
| 1:A:31:SGN:HO3 | 1:A:32:IDS:C5 | 1.80 | 0.95 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:1:SGN:O4S | 1:A:2:IDS:O4 | 1.85 | 0.95 |
| 1:A:1:SGN:S2 | 1:A:2:IDS:O5 | 2.25 | 0.94 |
| 1:A:32:IDS:O6A | 1:A:33:SGN:H5 | 1.65 | 0.94 |
| 1:A:4:IDS:C3 | 1:A:5:SGN:N2 | 2.30 | 0.94 |
| 1:A:12:IDS:C3 | 1:A:13:SGN:O1S | 2.15 | 0.94 |
| 1:A:2:IDS:O3 | 1:A:3:SGN:N2 | 1.99 | 0.94 |
| 1:A:26:IDS:O3 | 1:A:27:SGN:S1 | 2.24 | 0.94 |
| 1:A:29:SGN:O3 | 1:A:30:IDS:C5 | 2.16 | 0.94 |
| 1:A:10:IDS:O6B | 1:A:12:IDS:O2S | 1.85 | 0.94 |
| 1:A:21:SGN:HO3 | 1:A:22:IDS:C6 | 1.81 | 0.94 |
| 1:A:26:IDS:H4 | 1:A:27:SGN:O1S | 1.67 | 0.94 |
| 1:A:2:IDS:O6A | 1:A:3:SGN:C5 | 2.15 | 0.94 |
| 1:A:21:SGN:C6 | 1:A:22:IDS:O2S | 2.16 | 0.93 |
| 1:A:6:IDS:C3 | 1:A:7:SGN:N2 | 2.31 | 0.93 |
| 1:A:12:IDS:H3 | 1:A:13:SGN:N2 | 1.82 | 0.93 |
| 1:A:28:IDS:O6A | 1:A:29:SGN:H62 | 1.66 | 0.93 |
| 1:A:3:SGN:O3 | 1:A:4:IDS:C6 | 2.15 | 0.93 |
| 1:A:32:IDS:O6A | 1:A:33:SGN:H5 | 1.68 | 0.93 |
| 1:A:10:IDS:O3 | 1:A:11:SGN:O1S | 1.84 | 0.93 |
| 1:A:2:IDS:O3 | 1:A:3:SGN:O3S | 1.87 | 0.93 |
| 1:A:11:SGN:C6 | 1:A:12:IDS:O2S | 2.17 | 0.93 |
| 1:A:28:IDS:O6A | 1:A:29:SGN:C6 | 2.17 | 0.93 |
| 1:A:22:IDS:H3 | 1:A:23:SGN:O1S | 1.69 | 0.92 |
| 1:A:5:SGN:O5S | 1:A:6:IDS:O5 | 1.86 | 0.92 |
| 1:A:24:IDS:O3 | 1:A:25:SGN:O1S | 1.87 | 0.92 |
| 1:A:12:IDS:O6A | 1:A:13:SGN:H62 | 1.69 | 0.92 |
| 1:A:22:IDS:C3 | 1:A:23:SGN:N2 | 2.30 | 0.92 |
| 1:A:3:SGN:O4S | 1:A:4:IDS:C3 | 2.07 | 0.92 |
| 1:A:4:IDS:H3 | 1:A:5:SGN:N2 | 1.84 | 0.92 |
| 1:A:35:SGN:O4S | 1:A:36:IDS:C1 | 2.18 | 0.92 |
| 1:A:6:IDS:C3 | 1:A:7:SGN:N2 | 2.32 | 0.92 |
| 1:A:22:IDS:C3 | 1:A:23:SGN:O1S | 2.18 | 0.91 |
| 1:A:14:IDS:H3 | 1:A:15:SGN:N2 | 1.84 | 0.91 |
| 1:A:1:SGN:O4S | 1:A:2:IDS:O5 | 1.73 | 0.91 |
| 1:A:33:SGN:C6 | 1:A:34:IDS:O2S | 2.18 | 0.91 |
| 1:A:32:IDS:O6A | 1:A:33:SGN:C5 | 2.18 | 0.91 |
| 1:A:17:SGN:H5 | 1:A:18:IDS:O2S | 1.70 | 0.91 |
| 1:A:22:IDS:C3 | 1:A:23:SGN:S1 | 2.54 | 0.91 |
| 1:A:11:SGN:H5 | 1:A:12:IDS:O2S | 1.68 | 0.91 |
| 1:A:27:SGN:C6 | 1:A:28:IDS:O1S | 2.19 | 0.91 |
| 1:A:14:IDS:O3 | 1:A:15:SGN:N2 | 2.04 | 0.91 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:17:SGN:O3 | 1:A:18:IDS:C5 | 2.19 | 0.91 |
| 1:A:6:IDS:H3 | 1:A:7:SGN:N2 | 1.85 | 0.91 |
| 1:A:28:IDS:O6A | 1:A:29:SGN:H5 | 1.70 | 0.91 |
| 1:A:17:SGN:O3 | 1:A:18:IDS:C5 | 2.18 | 0.90 |
| 1:A:27:SGN:C5 | 1:A:28:IDS:O2S | 2.20 | 0.90 |
| 1:A:27:SGN:H5 | 1:A:28:IDS:O2S | 1.72 | 0.90 |
| 1:A:19:SGN:O3 | 1:A:20:IDS:C5 | 2.19 | 0.90 |
| 1:A:24:IDS:O6A | 1:A:25:SGN:H62 | 1.70 | 0.90 |
| 1:A:1:SGN:O4S | 1:A:2:IDS:O1S | 1.70 | 0.90 |
| 1:A:2:IDS:O3 | 1:A:3:SGN:O1S | 1.89 | 0.90 |
| 1:A:4:IDS:O6A | 1:A:5:SGN:C6 | 2.20 | 0.89 |
| 1:A:3:SGN:O5S | 1:A:4:IDS:O6B | 1.89 | 0.89 |
| 1:A:8:IDS:O3 | 1:A:9:SGN:S1 | 2.29 | 0.89 |
| 1:A:13:SGN:O3 | 1:A:14:IDS:H5 | 1.73 | 0.89 |
| 1:A:16:IDS:O2 | 1:A:17:SGN:O3S | 1.88 | 0.89 |
| 1:A:12:IDS:O6A | 1:A:13:SGN:C6 | 2.20 | 0.89 |
| 1:A:28:IDS:O3 | 1:A:29:SGN:N2 | 2.04 | 0.89 |
| 1:A:22:IDS:O3 | 1:A:23:SGN:O3S | 1.90 | 0.89 |
| 1:A:18:IDS:H3 | 1:A:19:SGN:O1S | 1.71 | 0.89 |
| 1:A:34:IDS:C3 | 1:A:35:SGN:N2 | 2.35 | 0.89 |
| 1:A:15:SGN:O3 | 1:A:16:IDS:C5 | 2.21 | 0.89 |
| 1:A:16:IDS:C3 | 1:A:17:SGN:O1S | 2.12 | 0.89 |
| 1:A:17:SGN:O3 | 1:A:18:IDS:C6 | 2.21 | 0.89 |
| 1:A:8:IDS:H3 | 1:A:9:SGN:N2 | 1.88 | 0.89 |
| 1:A:30:IDS:O6A | 1:A:31:SGN:H5 | 1.72 | 0.88 |
| 1:A:22:IDS:C3 | 1:A:23:SGN:O1S | 2.19 | 0.88 |
| 1:A:16:IDS:O3 | 1:A:17:SGN:O3S | 1.90 | 0.88 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:O6B | 1.90 | 0.88 |
| 1:A:31:SGN:C6 | 1:A:32:IDS:O2S | 2.20 | 0.88 |
| 1:A:15:SGN:O3 | 1:A:16:IDS:C6 | 2.22 | 0.88 |
| 1:A:26:IDS:O3 | 1:A:27:SGN:O3S | 1.91 | 0.87 |
| 1:A:2:IDS:H3 | 1:A:3:SGN:N2 | 1.87 | 0.87 |
| 1:A:24:IDS:O6A | 1:A:25:SGN:C5 | 2.23 | 0.87 |
| 1:A:30:IDS:H3 | 1:A:31:SGN:N2 | 1.88 | 0.87 |
| 1:A:8:IDS:O6A | 1:A:9:SGN:C6 | 2.22 | 0.87 |
| 1:A:31:SGN:O4S | 1:A:32:IDS:O1S | 1.92 | 0.87 |
| 1:A:29:SGN:O3 | 1:A:30:IDS:C6 | 2.22 | 0.87 |
| 1:A:25:SGN:H61 | 1:A:26:IDS:O2S | 1.75 | 0.87 |
| 1:A:12:IDS:H3 | 1:A:13:SGN:O1S | 1.74 | 0.86 |
| 1:A:17:SGN:O4S | 1:A:18:IDS:C1 | 2.23 | 0.86 |
| 1:A:20:IDS:C3 | 1:A:21:SGN:N2 | 2.38 | 0.86 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:6:IDS:H3 | 1:A:7:SGN:S1 | 2.15 | 0.86 |
| 1:A:1:SGN:O3 | 1:A:2:IDS:C5 | 2.23 | 0.86 |
| 1:A:8:IDS:O3 | 1:A:9:SGN:O3S | 1.93 | 0.86 |
| 1:A:21:SGN:H61 | 1:A:22:IDS:C1 | 2.06 | 0.86 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:C6 | 2.22 | 0.86 |
| 1:A:29:SGN:O5S | 1:A:31:SGN:H3 | 1.74 | 0.86 |
| 1:A:20:IDS:O3 | 1:A:21:SGN:O1S | 1.93 | 0.86 |
| 1:A:21:SGN:S2 | 1:A:22:IDS:O1S | 2.33 | 0.86 |
| 1:A:35:SGN:O5S | 1:A:36:IDS:O5 | 1.94 | 0.85 |
| 1:A:28:IDS:C3 | 1:A:29:SGN:N2 | 2.39 | 0.85 |
| 1:A:10:IDS:O3 | 1:A:11:SGN:S1 | 2.32 | 0.85 |
| 1:A:20:IDS:O6A | 1:A:21:SGN:O5 | 1.95 | 0.85 |
| 1:A:12:IDS:O3 | 1:A:13:SGN:O1S | 1.92 | 0.85 |
| 1:A:3:SGN:H61 | 1:A:4:IDS:S | 2.16 | 0.85 |
| 1:A:8:IDS:O6A | 1:A:9:SGN:H62 | 1.74 | 0.85 |
| 1:A:29:SGN:O3 | 1:A:30:IDS:C5 | 2.25 | 0.85 |
| 1:A:28:IDS:O3 | 1:A:29:SGN:O3S | 1.95 | 0.85 |
| 1:A:33:SGN:S2 | 1:A:34:IDS:O5 | 2.34 | 0.85 |
| 1:A:14:IDS:O3 | 1:A:15:SGN:O3S | 1.93 | 0.85 |
| 1:A:11:SGN:H61 | 1:A:12:IDS:C1 | 2.07 | 0.85 |
| 1:A:16:IDS:C6 | 1:A:17:SGN:C5 | 2.54 | 0.85 |
| 1:A:25:SGN:H61 | 1:A:26:IDS:O5 | 1.77 | 0.85 |
| 1:A:12:IDS:H3 | 1:A:13:SGN:C2 | 2.01 | 0.84 |
| 1:A:20:IDS:O6A | 1:A:21:SGN:C5 | 2.26 | 0.84 |
| 1:A:13:SGN:O3 | 1:A:14:IDS:C5 | 2.23 | 0.84 |
| 1:A:8:IDS:C6 | 1:A:9:SGN:H5 | 2.06 | 0.84 |
| 1:A:26:IDS:H3 | 1:A:27:SGN:N2 | 1.91 | 0.84 |
| 1:A:18:IDS:H3 | 1:A:19:SGN:N2 | 1.91 | 0.84 |
| 1:A:8:IDS:O3 | 1:A:9:SGN:N2 | 2.11 | 0.84 |
| 1:A:13:SGN:H61 | 1:A:14:IDS:O2S | 1.77 | 0.84 |
| 1:A:27:SGN:S2 | 1:A:28:IDS:O1S | 2.35 | 0.84 |
| 1:A:28:IDS:O3 | 1:A:29:SGN:N2 | 2.09 | 0.84 |
| 1:A:13:SGN:O3 | 1:A:14:IDS:C5 | 2.25 | 0.84 |
| 1:A:32:IDS:O6A | 1:A:33:SGN:C5 | 2.26 | 0.84 |
| 1:A:27:SGN:H61 | 1:A:28:IDS:O1S | 1.78 | 0.84 |
| 1:A:17:SGN:C5 | 1:A:18:IDS:O2S | 2.25 | 0.84 |
| 1:A:30:IDS:O6A | 1:A:31:SGN:C5 | 2.27 | 0.83 |
| 1:A:10:IDS:O6A | 1:A:11:SGN:H62 | 1.79 | 0.83 |
| 1:A:13:SGN:O3 | 1:A:14:IDS:H5 | 1.78 | 0.83 |
| 1:A:17:SGN:O5S | 1:A:18:IDS:O5 | 1.97 | 0.83 |
| 1:A:27:SGN:H62 | 1:A:28:IDS:O2S | 1.79 | 0.83 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:13:SGN:H5 | 1:A:14:IDS:O2S | 1.79 | 0.82 |
| 1:A:20:IDS:O3 | 1:A:21:SGN:O1S | 1.98 | 0.82 |
| 1:A:1:SGN:O6 | 1:A:2:IDS:O5 | 1.90 | 0.82 |
| 1:A:1:SGN:C6 | 1:A:2:IDS:O5 | 2.27 | 0.82 |
| 1:A:3:SGN:HO3 | 1:A:4:IDS:C6 | 1.89 | 0.82 |
| 1:A:25:SGN:O3 | 1:A:26:IDS:O6B | 1.96 | 0.82 |
| 1:A:22:IDS:H3 | 1:A:23:SGN:N2 | 1.93 | 0.82 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:C6 | 2.27 | 0.82 |
| 1:A:26:IDS:O3 | 1:A:27:SGN:N2 | 2.13 | 0.81 |
| 1:A:30:IDS:H3 | 1:A:31:SGN:C2 | 2.08 | 0.81 |
| 1:A:24:IDS:O6A | 1:A:25:SGN:C6 | 2.29 | 0.81 |
| 1:A:26:IDS:C3 | 1:A:27:SGN:N2 | 2.43 | 0.81 |
| 1:A:10:IDS:O6A | 1:A:11:SGN:C5 | 2.29 | 0.81 |
| 1:A:8:IDS:C3 | 1:A:9:SGN:O3S | 2.29 | 0.81 |
| 1:A:5:SGN:O3 | 1:A:6:IDS:H5 | 1.79 | 0.81 |
| 1:A:6:IDS:C3 | 1:A:7:SGN:N2 | 2.44 | 0.81 |
| 1:A:18:IDS:O6A | 1:A:19:SGN:H62 | 1.81 | 0.81 |
| 1:A:10:IDS:O6A | 1:A:11:SGN:H5 | 1.80 | 0.81 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:C6 | 2.29 | 0.80 |
| 1:A:18:IDS:O6A | 1:A:19:SGN:C6 | 2.29 | 0.80 |
| 1:A:21:SGN:O5S | 1:A:22:IDS:O1S | 1.98 | 0.80 |
| 1:A:18:IDS:C3 | 1:A:19:SGN:O3S | 2.29 | 0.80 |
| 1:A:34:IDS:O3 | 1:A:35:SGN:O1S | 1.98 | 0.80 |
| 1:A:3:SGN:H61 | 1:A:4:IDS:C1 | 2.12 | 0.80 |
| 1:A:12:IDS:H3 | 1:A:13:SGN:S1 | 2.21 | 0.80 |
| 1:A:2:IDS:O3 | 1:A:3:SGN:S1 | 2.38 | 0.80 |
| 1:A:17:SGN:O3 | 1:A:18:IDS:O6B | 1.97 | 0.80 |
| 1:A:23:SGN:S2 | 1:A:24:IDS:O5 | 2.39 | 0.80 |
| 1:A:10:IDS:C3 | 1:A:11:SGN:S1 | 2.70 | 0.80 |
| 1:A:14:IDS:C3 | 1:A:15:SGN:O3S | 2.29 | 0.80 |
| 1:A:22:IDS:O3 | 1:A:23:SGN:O3S | 2.00 | 0.79 |
| 1:A:29:SGN:O5S | 1:A:30:IDS:C6 | 2.30 | 0.79 |
| 1:A:22:IDS:H3 | 1:A:23:SGN:N2 | 1.98 | 0.79 |
| 1:A:34:IDS:H3 | 1:A:35:SGN:S1 | 2.22 | 0.79 |
| 1:A:6:IDS:O3 | 1:A:7:SGN:N2 | 2.16 | 0.79 |
| 1:A:28:IDS:C6 | 1:A:29:SGN:H5 | 2.11 | 0.79 |
| 1:A:8:IDS:O6A | 1:A:9:SGN:H5 | 1.82 | 0.78 |
| 1:A:22:IDS:O3 | 1:A:23:SGN:O1S | 1.98 | 0.78 |
| 1:A:5:SGN:O3 | 1:A:6:IDS:C5 | 2.31 | 0.78 |
| 1:A:22:IDS:S | 1:A:23:SGN:O3S | 2.41 | 0.78 |
| 1:A:17:SGN:H61 | 1:A:18:IDS:S | 2.24 | 0.78 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:27:SGN:H61 | 1:A:28:IDS:O2S | 1.82 | 0.78 |
| 1:A:18:IDS:C3 | 1:A:19:SGN:N2 | 2.33 | 0.78 |
| 1:A:31:SGN:C6 | 1:A:32:IDS:O2S | 2.32 | 0.78 |
| 1:A:4:IDS:O2 | 1:A:5:SGN:O3S | 2.02 | 0.78 |
| 1:A:24:IDS:H3 | 1:A:25:SGN:N2 | 1.99 | 0.78 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:C5 | 2.32 | 0.78 |
| 1:A:23:SGN:O6 | 1:A:24:IDS:O5 | 2.02 | 0.77 |
| 1:A:5:SGN:O5S | 1:A:6:IDS:O6B | 2.00 | 0.77 |
| 1:A:12:IDS:O6A | 1:A:13:SGN:O5 | 2.01 | 0.77 |
| 1:A:20:IDS:H3 | 1:A:21:SGN:S1 | 2.24 | 0.77 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:C5 | 2.31 | 0.77 |
| 1:A:9:SGN:H61 | 1:A:10:IDS:S | 2.24 | 0.77 |
| 1:A:10:IDS:C6 | 1:A:11:SGN:H5 | 2.15 | 0.77 |
| 1:A:6:IDS:O3 | 1:A:7:SGN:O1S | 2.03 | 0.77 |
| 1:A:25:SGN:C6 | 1:A:26:IDS:O5 | 2.33 | 0.77 |
| 1:A:8:IDS:O3 | 1:A:9:SGN:N2 | 2.17 | 0.77 |
| 1:A:5:SGN:O3 | 1:A:6:IDS:O6B | 2.02 | 0.77 |
| 1:A:32:IDS:O6A | 1:A:33:SGN:H5 | 1.84 | 0.77 |
| 1:A:30:IDS:O3 | 1:A:31:SGN:O3S | 2.02 | 0.77 |
| 1:A:17:SGN:O6 | 1:A:18:IDS:C1 | 2.32 | 0.77 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:O6B | 2.02 | 0.77 |
| 1:A:31:SGN:H61 | 1:A:32:IDS:S | 2.24 | 0.77 |
| 1:A:16:IDS:H3 | 1:A:17:SGN:N2 | 1.99 | 0.76 |
| 1:A:9:SGN:O6 | 1:A:10:IDS:C1 | 2.33 | 0.76 |
| 1:A:32:IDS:O6A | 1:A:33:SGN:H5 | 1.86 | 0.76 |
| 1:A:15:SGN:O3 | 1:A:16:IDS:O6B | 2.02 | 0.76 |
| 1:A:25:SGN:H61 | 1:A:26:IDS:C1 | 2.16 | 0.76 |
| 1:A:25:SGN:C6 | 1:A:26:IDS:O3S | 2.32 | 0.76 |
| 1:A:13:SGN:O3 | 1:A:14:IDS:H5 | 1.86 | 0.76 |
| 1:A:30:IDS:O3 | 1:A:31:SGN:S1 | 2.31 | 0.76 |
| 1:A:25:SGN:H61 | 1:A:26:IDS:O5 | 1.85 | 0.76 |
| 1:A:30:IDS:C3 | 1:A:31:SGN:S1 | 2.73 | 0.76 |
| 1:A:11:SGN:H61 | 1:A:12:IDS:O2S | 1.84 | 0.76 |
| 1:A:24:IDS:C3 | 1:A:25:SGN:N2 | 2.36 | 0.76 |
| 1:A:1:SGN:O6 | 1:A:2:IDS:C1 | 2.34 | 0.76 |
| 1:A:4:IDS:C6 | 1:A:5:SGN:H5 | 2.15 | 0.76 |
| 1:A:29:SGN:O5S | 1:A:30:IDS:O6B | 2.04 | 0.76 |
| 1:A:12:IDS:H3 | 1:A:13:SGN:S1 | 2.26 | 0.76 |
| 1:A:30:IDS:C3 | 1:A:31:SGN:O3S | 2.34 | 0.76 |
| 1:A:14:IDS:H3 | 1:A:15:SGN:O1S | 1.86 | 0.75 |
| 1:A:7:SGN:H61 | 1:A:8:IDS:C1 | 2.16 | 0.75 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:21:SGN:O2S | 1:A:22:IDS:O6B | 2.04 | 0.75 |
| 1:A:20:IDS:C6 | 1:A:21:SGN:H5 | 2.16 | 0.75 |
| 1:A:19:SGN:H61 | 1:A:20:IDS:C1 | 2.16 | 0.75 |
| 1:A:27:SGN:C5 | 1:A:28:IDS:O2S | 2.34 | 0.75 |
| 1:A:20:IDS:O6A | 1:A:21:SGN:H5 | 1.85 | 0.75 |
| 1:A:9:SGN:H61 | 1:A:10:IDS:O2S | 1.87 | 0.75 |
| 1:A:4:IDS:O6A | 1:A:5:SGN:O5 | 2.05 | 0.75 |
| 1:A:29:SGN:O5S | 1:A:30:IDS:C1 | 2.35 | 0.75 |
| 1:A:6:IDS:O3 | 1:A:7:SGN:O3S | 2.04 | 0.75 |
| 1:A:25:SGN:H61 | 1:A:26:IDS:C1 | 2.16 | 0.75 |
| 1:A:9:SGN:O6 | 1:A:10:IDS:O5 | 2.03 | 0.75 |
| 1:A:3:SGN:H61 | 1:A:4:IDS:C1 | 2.16 | 0.75 |
| 1:A:25:SGN:O4S | 1:A:26:IDS:C1 | 2.35 | 0.75 |
| 1:A:20:IDS:O6A | 1:A:21:SGN:H5 | 1.85 | 0.75 |
| 1:A:23:SGN:S2 | 1:A:24:IDS:O5 | 2.45 | 0.74 |
| 1:A:18:IDS:H3 | 1:A:19:SGN:O3S | 1.86 | 0.74 |
| 1:A:6:IDS:H3 | 1:A:7:SGN:N2 | 2.03 | 0.74 |
| 1:A:10:IDS:O3 | 1:A:11:SGN:O3S | 2.04 | 0.74 |
| 1:A:10:IDS:C3 | 1:A:11:SGN:O3S | 2.35 | 0.74 |
| 1:A:28:IDS:H3 | 1:A:29:SGN:S1 | 2.27 | 0.74 |
| 1:A:15:SGN:H5 | 1:A:16:IDS:O2S | 1.86 | 0.74 |
| 1:A:34:IDS:O3 | 1:A:35:SGN:N2 | 2.20 | 0.74 |
| 1:A:12:IDS:H3 | 1:A:13:SGN:O1S | 1.86 | 0.74 |
| 1:A:19:SGN:O3 | 1:A:20:IDS:O6B | 2.05 | 0.74 |
| 1:A:7:SGN:O5S | 1:A:8:IDS:O6B | 2.04 | 0.74 |
| 1:A:3:SGN:H61 | 1:A:4:IDS:O5 | 1.86 | 0.74 |
| 1:A:29:SGN:S2 | 1:A:30:IDS:O6B | 2.44 | 0.74 |
| 1:A:22:IDS:H3 | 1:A:23:SGN:O3S | 1.67 | 0.74 |
| 1:A:4:IDS:O6B | 1:A:6:IDS:O2S | 2.06 | 0.74 |
| 1:A:32:IDS:O6B | 1:A:34:IDS:O2S | 2.05 | 0.74 |
| 1:A:33:SGN:HO3 | 1:A:34:IDS:C6 | 2.00 | 0.74 |
| 1:A:8:IDS:C3 | 1:A:9:SGN:N2 | 2.51 | 0.74 |
| 1:A:7:SGN:O4S | 1:A:8:IDS:O1S | 1.99 | 0.74 |
| 1:A:20:IDS:H3 | 1:A:21:SGN:O1S | 1.87 | 0.74 |
| 1:A:1:SGN:O6 | 1:A:2:IDS:O5 | 2.05 | 0.74 |
| 1:A:35:SGN:H61 | 1:A:36:IDS:C1 | 2.16 | 0.74 |
| 1:A:12:IDS:C3 | 1:A:13:SGN:N2 | 2.51 | 0.74 |
| 1:A:3:SGN:O3 | 1:A:4:IDS:O6B | 2.04 | 0.74 |
| 1:A:35:SGN:H61 | 1:A:36:IDS:O1S | 1.88 | 0.73 |
| 1:A:9:SGN:O4S | 1:A:10:IDS:H3 | 1.88 | 0.73 |
| 1:A:29:SGN:H61 | 1:A:30:IDS:C1 | 2.17 | 0.73 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:18:IDS:H3 | 1:A:19:SGN:S1 | 2.28 | 0.73 |
| 1:A:19:SGN:H61 | 1:A:20:IDS:C1 | 2.17 | 0.73 |
| 1:A:8:IDS:O6A | 1:A:10:IDS:O2S | 2.06 | 0.73 |
| 1:A:13:SGN:H61 | 1:A:14:IDS:O2S | 1.88 | 0.73 |
| 1:A:10:IDS:H3 | 1:A:11:SGN:S1 | 2.29 | 0.73 |
| 1:A:22:IDS:O3 | 1:A:23:SGN:O1S | 2.06 | 0.73 |
| 1:A:25:SGN:H61 | 1:A:26:IDS:C1 | 2.18 | 0.73 |
| 1:A:1:SGN:O3 | 1:A:2:IDS:C5 | 2.34 | 0.73 |
| 1:A:25:SGN:H61 | 1:A:26:IDS:C1 | 2.19 | 0.73 |
| 1:A:30:IDS:O3 | 1:A:31:SGN:O1S | 2.06 | 0.73 |
| 1:A:15:SGN:HO3 | 1:A:16:IDS:H5 | 1.51 | 0.72 |
| 1:A:24:IDS:O3 | 1:A:25:SGN:S1 | 2.44 | 0.72 |
| 1:A:8:IDS:C6 | 1:A:9:SGN:H5 | 2.19 | 0.72 |
| 1:A:32:IDS:C6 | 1:A:33:SGN:H5 | 2.19 | 0.72 |
| 1:A:29:SGN:O6 | 1:A:30:IDS:O5 | 2.07 | 0.72 |
| 1:A:12:IDS:H3 | 1:A:13:SGN:N2 | 2.04 | 0.72 |
| 1:A:24:IDS:C6 | 1:A:25:SGN:H5 | 2.20 | 0.72 |
| 1:A:8:IDS:O3 | 1:A:9:SGN:N2 | 2.23 | 0.72 |
| 1:A:9:SGN:C6 | 1:A:10:IDS:O1S | 2.30 | 0.72 |
| 1:A:20:IDS:O3 | 1:A:21:SGN:S1 | 2.46 | 0.72 |
| 1:A:33:SGN:O3 | 1:A:34:IDS:H5 | 1.89 | 0.72 |
| 1:A:12:IDS:H3 | 1:A:13:SGN:S1 | 2.30 | 0.72 |
| 1:A:32:IDS:S | 1:A:33:SGN:O3S | 2.48 | 0.71 |
| 1:A:13:SGN:O3 | 1:A:14:IDS:C6 | 2.38 | 0.71 |
| 1:A:13:SGN:C5 | 1:A:14:IDS:O2S | 2.38 | 0.71 |
| 1:A:13:SGN:C6 | 1:A:14:IDS:O5 | 2.38 | 0.71 |
| 1:A:18:IDS:O3 | 1:A:19:SGN:O3S | 2.08 | 0.71 |
| 1:A:7:SGN:H61 | 1:A:8:IDS:O2S | 1.90 | 0.71 |
| 1:A:4:IDS:H3 | 1:A:5:SGN:S1 | 2.30 | 0.71 |
| 1:A:9:SGN:O5S | 1:A:10:IDS:O5 | 2.08 | 0.71 |
| 1:A:14:IDS:O3 | 1:A:15:SGN:S1 | 2.48 | 0.71 |
| 1:A:14:IDS:C3 | 1:A:15:SGN:N2 | 2.46 | 0.71 |
| 1:A:20:IDS:O3 | 1:A:21:SGN:O3S | 2.08 | 0.71 |
| 1:A:15:SGN:O3 | 1:A:16:IDS:C5 | 2.35 | 0.71 |
| 1:A:9:SGN:H61 | 1:A:10:IDS:C1 | 2.21 | 0.71 |
| 1:A:24:IDS:O6A | 1:A:25:SGN:H5 | 1.89 | 0.70 |
| 1:A:9:SGN:H5 | 1:A:10:IDS:O2S | 1.91 | 0.70 |
| 1:A:21:SGN:H61 | 1:A:22:IDS:C1 | 2.21 | 0.70 |
| 1:A:34:IDS:C3 | 1:A:35:SGN:N2 | 2.36 | 0.70 |
| 1:A:15:SGN:S2 | 1:A:17:SGN:O3S | 2.49 | 0.70 |
| 1:A:10:IDS:O6A | 1:A:11:SGN:C6 | 2.39 | 0.70 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:19:SGN:O3 | 1:A:20:IDS:H5 | 1.91 | 0.70 |
| 1:A:30:IDS:C6 | 1:A:31:SGN:H5 | 2.20 | 0.70 |
| 1:A:26:IDS:O3 | 1:A:27:SGN:O1S | 2.02 | 0.70 |
| 1:A:19:SGN:O3 | 1:A:20:IDS:C6 | 2.40 | 0.70 |
| 1:A:32:IDS:C3 | 1:A:33:SGN:O1S | 2.34 | 0.70 |
| 1:A:24:IDS:C2 | 1:A:25:SGN:O3S | 2.34 | 0.70 |
| 1:A:27:SGN:C5 | 1:A:28:IDS:O2S | 2.40 | 0.70 |
| 1:A:14:IDS:H3 | 1:A:15:SGN:S1 | 2.32 | 0.70 |
| 1:A:4:IDS:O6A | 1:A:5:SGN:H62 | 1.90 | 0.70 |
| 1:A:17:SGN:O3 | 1:A:18:IDS:H5 | 1.89 | 0.69 |
| 1:A:1:SGN:O4S | 1:A:2:IDS:C4 | 2.23 | 0.69 |
| 1:A:9:SGN:C6 | 1:A:10:IDS:O2S | 2.40 | 0.69 |
| 1:A:17:SGN:H61 | 1:A:18:IDS:O2S | 1.92 | 0.69 |
| 1:A:14:IDS:H3 | 1:A:15:SGN:S1 | 2.32 | 0.69 |
| 1:A:11:SGN:O3 | 1:A:12:IDS:C6 | 2.40 | 0.69 |
| 1:A:32:IDS:O3 | 1:A:33:SGN:O3S | 1.74 | 0.69 |
| 1:A:28:IDS:O2 | 1:A:29:SGN:O3S | 2.11 | 0.69 |
| 1:A:30:IDS:H3 | 1:A:31:SGN:S1 | 2.33 | 0.69 |
| 1:A:24:IDS:O3 | 1:A:25:SGN:O3S | 2.11 | 0.69 |
| 1:A:10:IDS:C3 | 1:A:11:SGN:N2 | 2.52 | 0.69 |
| 1:A:26:IDS:H3 | 1:A:27:SGN:N2 | 2.07 | 0.69 |
| 1:A:5:SGN:O4S | 1:A:6:IDS:O2S | 2.10 | 0.69 |
| 1:A:18:IDS:C3 | 1:A:19:SGN:N2 | 2.51 | 0.69 |
| 1:A:20:IDS:C6 | 1:A:21:SGN:C5 | 2.70 | 0.69 |
| 1:A:35:SGN:O5S | 1:A:36:IDS:O1S | 2.09 | 0.69 |
| 1:A:18:IDS:O6A | 1:A:19:SGN:H5 | 1.92 | 0.69 |
| 1:A:33:SGN:O3 | 1:A:34:IDS:H5 | 1.93 | 0.69 |
| 1:A:27:SGN:C5 | 1:A:28:IDS:O2S | 2.41 | 0.68 |
| 1:A:3:SGN:O4S | 1:A:4:IDS:H3 | 1.91 | 0.68 |
| 1:A:16:IDS:O3 | 1:A:17:SGN:N2 | 2.21 | 0.68 |
| 1:A:30:IDS:H3 | 1:A:31:SGN:S1 | 2.31 | 0.68 |
| 1:A:29:SGN:H61 | 1:A:30:IDS:C1 | 2.23 | 0.68 |
| 1:A:1:SGN:O4S | 1:A:2:IDS:O5 | 2.10 | 0.68 |
| 1:A:17:SGN:O3 | 1:A:18:IDS:C6 | 2.40 | 0.68 |
| 1:A:15:SGN:H61 | 1:A:16:IDS:O1S | 1.94 | 0.68 |
| 1:A:15:SGN:H61 | 1:A:16:IDS:O1S | 1.93 | 0.68 |
| 1:A:33:SGN:S2 | 1:A:34:IDS:O1S | 2.52 | 0.68 |
| 1:A:28:IDS:O3 | 1:A:29:SGN:S1 | 2.47 | 0.68 |
| 1:A:32:IDS:O6A | 1:A:33:SGN:C6 | 2.42 | 0.68 |
| 1:A:16:IDS:H3 | 1:A:17:SGN:O1S | 1.83 | 0.68 |
| 1:A:10:IDS:S | 1:A:11:SGN:O3S | 2.52 | 0.68 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:4:IDS:O2 | 1:A:5:SGN:O3S | 2.11 | 0.67 |
| 1:A:14:IDS:H4 | 1:A:15:SGN:O1S | 1.94 | 0.67 |
| 1:A:20:IDS:H3 | 1:A:21:SGN:N2 | 2.09 | 0.67 |
| 1:A:32:IDS:O3 | 1:A:33:SGN:O1S | 2.08 | 0.67 |
| 1:A:12:IDS:H3 | 1:A:13:SGN:S1 | 2.31 | 0.67 |
| 1:A:11:SGN:O4S | 1:A:12:IDS:S | 2.53 | 0.67 |
| 1:A:30:IDS:O6A | 1:A:31:SGN:H5 | 1.94 | 0.67 |
| 1:A:24:IDS:H3 | 1:A:25:SGN:N2 | 2.09 | 0.67 |
| 1:A:8:IDS:O3 | 1:A:9:SGN:S1 | 2.47 | 0.67 |
| 1:A:12:IDS:O6A | 1:A:13:SGN:H5 | 1.94 | 0.67 |
| 1:A:23:SGN:O6 | 1:A:24:IDS:O5 | 2.12 | 0.67 |
| 1:A:5:SGN:O3 | 1:A:6:IDS:H5 | 1.93 | 0.67 |
| 1:A:23:SGN:H61 | 1:A:24:IDS:O2S | 1.93 | 0.67 |
| 1:A:12:IDS:H3 | 1:A:13:SGN:N2 | 2.10 | 0.67 |
| 1:A:26:IDS:O3 | 1:A:27:SGN:O1S | 2.12 | 0.67 |
| 1:A:23:SGN:S2 | 1:A:24:IDS:C1 | 2.83 | 0.67 |
| 1:A:31:SGN:H61 | 1:A:32:IDS:C1 | 2.25 | 0.67 |
| 1:A:5:SGN:O5S | 1:A:6:IDS:C1 | 2.42 | 0.67 |
| 1:A:13:SGN:O3 | 1:A:14:IDS:O6B | 2.13 | 0.67 |
| 1:A:8:IDS:C3 | 1:A:9:SGN:N2 | 2.53 | 0.67 |
| 1:A:8:IDS:H3 | 1:A:9:SGN:S1 | 2.35 | 0.66 |
| 1:A:7:SGN:H61 | 1:A:8:IDS:O1S | 1.95 | 0.66 |
| 1:A:34:IDS:C3 | 1:A:35:SGN:O1S | 2.43 | 0.66 |
| 1:A:21:SGN:H61 | 1:A:22:IDS:C1 | 2.25 | 0.66 |
| 1:A:29:SGN:O2S | 1:A:30:IDS:O6B | 2.14 | 0.66 |
| 1:A:6:IDS:O3 | 1:A:7:SGN:N2 | 2.28 | 0.66 |
| 1:A:9:SGN:S2 | 1:A:10:IDS:O5 | 2.54 | 0.66 |
| 1:A:3:SGN:O3 | 1:A:4:IDS:C5 | 2.44 | 0.66 |
| 1:A:22:IDS:C3 | 1:A:23:SGN:N2 | 2.44 | 0.65 |
| 1:A:33:SGN:H61 | 1:A:34:IDS:O2 | 1.96 | 0.65 |
| 1:A:6:IDS:H4 | 1:A:7:SGN:O1S | 1.94 | 0.65 |
| 1:A:13:SGN:O3 | 1:A:14:IDS:C5 | 2.43 | 0.65 |
| 1:A:27:SGN:H61 | 1:A:28:IDS:O1S | 1.97 | 0.65 |
| 1:A:3:SGN:C5 | 1:A:4:IDS:O2S | 2.44 | 0.65 |
| 1:A:19:SGN:HO3 | 1:A:20:IDS:C6 | 2.07 | 0.65 |
| 1:A:9:SGN:O5S | 1:A:10:IDS:O5 | 2.14 | 0.65 |
| 1:A:15:SGN:C5 | 1:A:16:IDS:O2S | 2.43 | 0.65 |
| 1:A:32:IDS:O6A | 1:A:33:SGN:H62 | 1.96 | 0.65 |
| 1:A:27:SGN:O6 | 1:A:28:IDS:O1S | 2.14 | 0.65 |
| 1:A:8:IDS:C3 | 1:A:9:SGN:S1 | 2.85 | 0.65 |
| 1:A:5:SGN:O4S | 1:A:6:IDS:O2 | 2.15 | 0.65 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:15:SGN:O3 | 1:A:16:IDS:H5 | 1.97 | 0.65 |
| 1:A:4:IDS:S | 1:A:5:SGN:O3S | 2.55 | 0.65 |
| 1:A:35:SGN:HO3 | 1:A:36:IDS:C6 | 2.08 | 0.65 |
| 1:A:28:IDS:O6A | 1:A:29:SGN:O5 | 2.15 | 0.65 |
| 1:A:15:SGN:H61 | 1:A:16:IDS:O2S | 1.97 | 0.65 |
| 1:A:1:SGN:O5S | 1:A:3:SGN:H5 | 1.96 | 0.65 |
| 1:A:24:IDS:O3 | 1:A:25:SGN:O1S | 2.13 | 0.65 |
| 1:A:11:SGN:O3 | 1:A:12:IDS:C5 | 2.45 | 0.65 |
| 1:A:34:IDS:O3 | 1:A:35:SGN:S1 | 2.53 | 0.64 |
| 1:A:17:SGN:O4S | 1:A:18:IDS:O5 | 2.15 | 0.64 |
| 1:A:23:SGN:O6 | 1:A:24:IDS:C1 | 2.46 | 0.64 |
| 1:A:31:SGN:O6 | 1:A:32:IDS:O2S | 2.15 | 0.64 |
| 1:A:6:IDS:O3 | 1:A:7:SGN:N2 | 2.29 | 0.64 |
| 1:A:28:IDS:C3 | 1:A:29:SGN:O3S | 2.46 | 0.64 |
| 1:A:32:IDS:O3 | 1:A:33:SGN:N2 | 2.30 | 0.64 |
| 1:A:5:SGN:O3 | 1:A:6:IDS:C5 | 2.44 | 0.64 |
| 1:A:5:SGN:O6 | 1:A:6:IDS:C1 | 2.46 | 0.64 |
| 1:A:1:SGN:H61 | 1:A:2:IDS:O2S | 1.97 | 0.64 |
| 1:A:30:IDS:O2 | 1:A:31:SGN:O3S | 2.15 | 0.64 |
| 1:A:17:SGN:O4S | 1:A:18:IDS:O2S | 2.16 | 0.64 |
| 1:A:18:IDS:C3 | 1:A:19:SGN:S1 | 2.84 | 0.64 |
| 1:A:14:IDS:C3 | 1:A:15:SGN:O1S | 2.37 | 0.64 |
| 1:A:20:IDS:C3 | 1:A:21:SGN:N2 | 2.58 | 0.64 |
| 1:A:18:IDS:O6A | 1:A:19:SGN:O5 | 2.15 | 0.63 |
| 1:A:29:SGN:O6 | 1:A:30:IDS:C1 | 2.46 | 0.63 |
| 1:A:13:SGN:H61 | 1:A:14:IDS:C1 | 2.28 | 0.63 |
| 1:A:30:IDS:O6A | 1:A:31:SGN:H62 | 1.97 | 0.63 |
| 1:A:5:SGN:O3 | 1:A:6:IDS:C6 | 2.46 | 0.63 |
| 1:A:13:SGN:C6 | 1:A:14:IDS:O2S | 2.46 | 0.63 |
| 1:A:35:SGN:O3 | 1:A:36:IDS:H5 | 1.99 | 0.63 |
| 1:A:4:IDS:O3 | 1:A:5:SGN:S1 | 2.56 | 0.63 |
| 1:A:18:IDS:O3 | 1:A:19:SGN:N2 | 2.31 | 0.63 |
| 1:A:28:IDS:H3 | 1:A:29:SGN:N2 | 2.13 | 0.63 |
| 1:A:6:IDS:H3 | 1:A:7:SGN:C2 | 2.10 | 0.63 |
| 1:A:3:SGN:O3 | 1:A:4:IDS:H5 | 1.99 | 0.63 |
| 1:A:12:IDS:O6A | 1:A:13:SGN:H5 | 1.99 | 0.63 |
| 1:A:16:IDS:O2 | 1:A:17:SGN:S1 | 2.57 | 0.63 |
| 1:A:18:IDS:O3 | 1:A:19:SGN:O1S | 2.12 | 0.63 |
| 1:A:7:SGN:C5 | 1:A:8:IDS:O2S | 2.37 | 0.63 |
| 1:A:16:IDS:O6B | 1:A:17:SGN:H5 | 1.98 | 0.63 |
| 1:A:35:SGN:O6 | 1:A:36:IDS:C1 | 2.47 | 0.63 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:5:SGN:O3 | 1:A:6:IDS:C6 | 2.47 | 0.63 |
| 1:A:5:SGN:O4S | 1:A:6:IDS:O1S | 2.17 | 0.63 |
| 1:A:23:SGN:C6 | 1:A:24:IDS:O5 | 2.47 | 0.62 |
| 1:A:31:SGN:C6 | 1:A:32:IDS:O5 | 2.47 | 0.62 |
| 1:A:25:SGN:H61 | 1:A:26:IDS:O2S | 2.00 | 0.62 |
| 1:A:32:IDS:O6A | 1:A:33:SGN:H62 | 2.00 | 0.62 |
| 1:A:15:SGN:S2 | 1:A:16:IDS:O1S | 2.58 | 0.62 |
| 1:A:17:SGN:H61 | 1:A:18:IDS:O2 | 2.00 | 0.62 |
| 1:A:23:SGN:O5S | 1:A:24:IDS:O5 | 2.13 | 0.62 |
| 1:A:28:IDS:O3 | 1:A:29:SGN:O3S | 2.15 | 0.62 |
| 1:A:12:IDS:O3 | 1:A:13:SGN:O1S | 2.16 | 0.62 |
| 1:A:32:IDS:O6A | 1:A:33:SGN:C6 | 2.47 | 0.62 |
| 1:A:5:SGN:S2 | 1:A:6:IDS:O5 | 2.57 | 0.62 |
| 1:A:21:SGN:HO3 | 1:A:22:IDS:C6 | 2.00 | 0.62 |
| 1:A:22:IDS:C3 | 1:A:23:SGN:N2 | 2.63 | 0.62 |
| 1:A:10:IDS:C6 | 1:A:12:IDS:O2S | 2.46 | 0.62 |
| 1:A:25:SGN:H61 | 1:A:26:IDS:O3S | 1.98 | 0.62 |
| 1:A:23:SGN:O5S | 1:A:24:IDS:C5 | 2.48 | 0.62 |
| 1:A:23:SGN:H61 | 1:A:24:IDS:C1 | 2.30 | 0.62 |
| 1:A:30:IDS:O3S | 1:A:31:SGN:O3S | 2.17 | 0.62 |
| 1:A:12:IDS:O6A | 1:A:13:SGN:C5 | 2.32 | 0.62 |
| 1:A:7:SGN:H61 | 1:A:8:IDS:C1 | 2.29 | 0.61 |
| 1:A:29:SGN:O3 | 1:A:30:IDS:C6 | 2.47 | 0.61 |
| 1:A:29:SGN:O5S | 1:A:30:IDS:O5 | 2.19 | 0.61 |
| 1:A:26:IDS:O3 | 1:A:27:SGN:N2 | 2.33 | 0.61 |
| 1:A:12:IDS:C6 | 1:A:13:SGN:H5 | 2.30 | 0.61 |
| 1:A:16:IDS:O3 | 1:A:17:SGN:O3S | 2.18 | 0.61 |
| 1:A:19:SGN:O3 | 1:A:20:IDS:C6 | 2.48 | 0.61 |
| 1:A:16:IDS:C3 | 1:A:17:SGN:N2 | 2.63 | 0.61 |
| 1:A:29:SGN:O3 | 1:A:30:IDS:H5 | 2.01 | 0.61 |
| 1:A:11:SGN:O4S | 1:A:12:IDS:C2 | 2.49 | 0.60 |
| 1:A:23:SGN:O5S | 1:A:24:IDS:C1 | 2.49 | 0.60 |
| 1:A:5:SGN:O4S | 1:A:6:IDS:S | 2.58 | 0.60 |
| 1:A:23:SGN:H61 | 1:A:24:IDS:O2S | 2.01 | 0.60 |
| 1:A:10:IDS:C6 | 1:A:11:SGN:C5 | 2.79 | 0.60 |
| 1:A:1:SGN:O6 | 1:A:2:IDS:C1 | 2.48 | 0.60 |
| 1:A:6:IDS:C3 | 1:A:7:SGN:O1S | 2.49 | 0.60 |
| 1:A:27:SGN:H61 | 1:A:28:IDS:C1 | 2.31 | 0.60 |
| 1:A:25:SGN:O5S | 1:A:26:IDS:O6B | 2.19 | 0.60 |
| 1:A:25:SGN:O3 | 1:A:26:IDS:O5 | 2.19 | 0.60 |
| 1:A:33:SGN:O3 | 1:A:34:IDS:O6B | 1.98 | 0.60 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:7:SGN:O3 | 1:A:8:IDS:C6 | 2.49 | 0.60 |
| 1:A:10:IDS:O6A | 1:A:11:SGN:C5 | 2.50 | 0.60 |
| 1:A:17:SGN:S2 | 1:A:18:IDS:C1 | 2.90 | 0.60 |
| 1:A:9:SGN:O4S | 1:A:10:IDS:C2 | 2.50 | 0.60 |
| 1:A:11:SGN:O4S | 1:A:12:IDS:S | 2.58 | 0.60 |
| 1:A:25:SGN:H61 | 1:A:26:IDS:C1 | 2.32 | 0.60 |
| 1:A:33:SGN:O6S | 1:A:34:IDS:O1S | 2.20 | 0.60 |
| 1:A:1:SGN:H61 | 1:A:2:IDS:O5 | 2.02 | 0.60 |
| 1:A:31:SGN:H61 | 1:A:32:IDS:O5 | 2.02 | 0.60 |
| 1:A:17:SGN:O4S | 1:A:18:IDS:O5 | 2.20 | 0.60 |
| 1:A:25:SGN:C6 | 1:A:26:IDS:O5 | 2.49 | 0.60 |
| 1:A:11:SGN:H61 | 1:A:12:IDS:C1 | 2.32 | 0.60 |
| 1:A:23:SGN:O6 | 1:A:24:IDS:O5 | 2.20 | 0.60 |
| 1:A:11:SGN:H5 | 1:A:12:IDS:O2S | 2.01 | 0.59 |
| 1:A:5:SGN:O4S | 1:A:6:IDS:O4 | 2.15 | 0.59 |
| 1:A:1:SGN:H61 | 1:A:2:IDS:C1 | 2.32 | 0.59 |
| 1:A:11:SGN:O5S | 1:A:12:IDS:O1S | 2.19 | 0.59 |
| 1:A:28:IDS:C3 | 1:A:29:SGN:S1 | 2.90 | 0.59 |
| 1:A:13:SGN:O3 | 1:A:14:IDS:C6 | 2.50 | 0.59 |
| 1:A:31:SGN:H61 | 1:A:32:IDS:C1 | 2.32 | 0.59 |
| 1:A:33:SGN:H61 | 1:A:34:IDS:C1 | 2.31 | 0.59 |
| 1:A:30:IDS:O6A | 1:A:31:SGN:H5 | 2.02 | 0.59 |
| 1:A:24:IDS:H3 | 1:A:25:SGN:S1 | 2.40 | 0.59 |
| 1:A:9:SGN:O4S | 1:A:10:IDS:C3 | 2.51 | 0.59 |
| 1:A:20:IDS:H3 | 1:A:21:SGN:O3S | 2.02 | 0.59 |
| 1:A:10:IDS:O6A | 1:A:11:SGN:H62 | 2.02 | 0.59 |
| 1:A:5:SGN:S2 | 1:A:6:IDS:C1 | 2.91 | 0.59 |
| 1:A:32:IDS:O2 | 1:A:33:SGN:S1 | 2.60 | 0.59 |
| 1:A:21:SGN:O6 | 1:A:22:IDS:O2S | 2.20 | 0.59 |
| 1:A:34:IDS:H3 | 1:A:35:SGN:S1 | 2.43 | 0.59 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:O5 | 2.21 | 0.58 |
| 1:A:21:SGN:O4S | 1:A:22:IDS:O1S | 2.21 | 0.58 |
| 1:A:32:IDS:C6 | 1:A:33:SGN:C5 | 2.60 | 0.58 |
| 1:A:7:SGN:H61 | 1:A:8:IDS:C1 | 2.33 | 0.58 |
| 1:A:5:SGN:O6 | 1:A:6:IDS:O5 | 2.21 | 0.58 |
| 1:A:16:IDS:H3 | 1:A:17:SGN:N2 | 2.19 | 0.58 |
| 1:A:1:SGN:O4S | 1:A:2:IDS:C3 | 2.51 | 0.58 |
| 1:A:27:SGN:H61 | 1:A:28:IDS:S | 2.43 | 0.58 |
| 1:A:34:IDS:H3 | 1:A:35:SGN:O1S | 2.02 | 0.58 |
| 1:A:15:SGN:O6S | 1:A:16:IDS:O1S | 2.21 | 0.58 |
| 1:A:31:SGN:H61 | 1:A:32:IDS:O3S | 2.02 | 0.58 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:9:SGN:H61 | 1:A:10:IDS:C1 | 2.34 | 0.58 |
| 1:A:21:SGN:HO3 | 1:A:22:IDS:C5 | 2.14 | 0.58 |
| 1:A:1:SGN:C6 | 1:A:2:IDS:C1 | 2.82 | 0.58 |
| 1:A:25:SGN:O5S | 1:A:26:IDS:C6 | 2.51 | 0.58 |
| 1:A:8:IDS:O6A | 1:A:9:SGN:H5 | 2.02 | 0.58 |
| 1:A:11:SGN:O3 | 1:A:12:IDS:O5 | 2.20 | 0.58 |
| 1:A:18:IDS:O3 | 1:A:19:SGN:S1 | 2.57 | 0.58 |
| 1:A:4:IDS:O6A | 1:A:5:SGN:C5 | 2.50 | 0.58 |
| 1:A:3:SGN:O6 | 1:A:4:IDS:C1 | 2.52 | 0.58 |
| 1:A:14:IDS:C3 | 1:A:15:SGN:N2 | 2.62 | 0.58 |
| 1:A:4:IDS:C3 | 1:A:5:SGN:O3S | 2.51 | 0.58 |
| 1:A:17:SGN:H5 | 1:A:18:IDS:O2S | 2.03 | 0.58 |
| 1:A:35:SGN:O3 | 1:A:36:IDS:O5 | 2.17 | 0.58 |
| 1:A:10:IDS:C3 | 1:A:11:SGN:O3S | 2.51 | 0.58 |
| 1:A:13:SGN:O3 | 1:A:14:IDS:C6 | 2.52 | 0.58 |
| 1:A:26:IDS:O3 | 1:A:27:SGN:S1 | 2.59 | 0.58 |
| 1:A:15:SGN:H61 | 1:A:16:IDS:C1 | 2.34 | 0.58 |
| 1:A:19:SGN:O3 | 1:A:20:IDS:C5 | 2.52 | 0.58 |
| 1:A:18:IDS:H3 | 1:A:19:SGN:O3S | 2.04 | 0.57 |
| 1:A:29:SGN:HO3 | 1:A:30:IDS:H5 | 1.65 | 0.57 |
| 1:A:19:SGN:C6 | 1:A:20:IDS:C1 | 2.83 | 0.57 |
| 1:A:27:SGN:O6 | 1:A:28:IDS:S | 2.61 | 0.57 |
| 1:A:10:IDS:C3 | 1:A:11:SGN:S1 | 2.93 | 0.57 |
| 1:A:19:SGN:HO3 | 1:A:20:IDS:H5 | 1.67 | 0.57 |
| 1:A:14:IDS:O6A | 1:A:15:SGN:H5 | 2.05 | 0.57 |
| 1:A:12:IDS:C6 | 1:A:13:SGN:H5 | 2.34 | 0.57 |
| 1:A:29:SGN:C6 | 1:A:30:IDS:O2S | 2.37 | 0.57 |
| 1:A:18:IDS:H3 | 1:A:19:SGN:S1 | 2.44 | 0.57 |
| 1:A:14:IDS:C3 | 1:A:15:SGN:S1 | 2.92 | 0.57 |
| 1:A:5:SGN:H61 | 1:A:6:IDS:C1 | 2.34 | 0.57 |
| 1:A:3:SGN:O3 | 1:A:4:IDS:C6 | 2.53 | 0.56 |
| 1:A:20:IDS:C3 | 1:A:21:SGN:O1S | 2.53 | 0.56 |
| 1:A:16:IDS:H3 | 1:A:17:SGN:S1 | 2.29 | 0.56 |
| 1:A:8:IDS:O6A | 1:A:9:SGN:C5 | 2.53 | 0.56 |
| 1:A:24:IDS:C3 | 1:A:25:SGN:O3S | 2.53 | 0.56 |
| 1:A:30:IDS:O6A | 1:A:31:SGN:C6 | 2.53 | 0.56 |
| 1:A:23:SGN:C6 | 1:A:24:IDS:C1 | 2.83 | 0.56 |
| 1:A:25:SGN:H61 | 1:A:26:IDS:C1 | 2.35 | 0.56 |
| 1:A:33:SGN:C1 | 1:A:33:SGN:O1S | 2.52 | 0.56 |
| 1:A:3:SGN:C6 | 1:A:4:IDS:C1 | 2.84 | 0.56 |
| 1:A:7:SGN:O3 | 1:A:8:IDS:O5 | 2.23 | 0.56 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:2:IDS:H3 | 1:A:3:SGN:N2 | 2.21 | 0.56 |
| 1:A:29:SGN:C6 | 1:A:30:IDS:O5 | 2.46 | 0.56 |
| 1:A:23:SGN:O6 | 1:A:24:IDS:C1 | 2.54 | 0.56 |
| 1:A:11:SGN:H61 | 1:A:12:IDS:C1 | 2.35 | 0.56 |
| 1:A:21:SGN:H5 | 1:A:22:IDS:O2S | 2.06 | 0.56 |
| 1:A:23:SGN:O6 | 1:A:24:IDS:C1 | 2.53 | 0.56 |
| 1:A:1:SGN:C6 | 1:A:2:IDS:C1 | 2.84 | 0.56 |
| 1:A:27:SGN:H5 | 1:A:28:IDS:O2S | 2.05 | 0.56 |
| 1:A:17:SGN:H61 | 1:A:18:IDS:O1S | 2.06 | 0.56 |
| 1:A:12:IDS:C3 | 1:A:13:SGN:N2 | 2.62 | 0.56 |
| 1:A:9:SGN:S2 | 1:A:10:IDS:C1 | 2.93 | 0.56 |
| 1:A:13:SGN:C6 | 1:A:14:IDS:C1 | 2.83 | 0.56 |
| 1:A:27:SGN:C6 | 1:A:28:IDS:C1 | 2.83 | 0.56 |
| 1:A:30:IDS:H3 | 1:A:31:SGN:O3S | 2.06 | 0.56 |
| 1:A:10:IDS:O6A | 1:A:11:SGN:C6 | 2.54 | 0.56 |
| 1:A:7:SGN:O3 | 1:A:8:IDS:C5 | 2.54 | 0.56 |
| 1:A:10:IDS:O3 | 1:A:11:SGN:N2 | 2.39 | 0.56 |
| 1:A:35:SGN:H61 | 1:A:36:IDS:S | 2.46 | 0.55 |
| 1:A:30:IDS:O6A | 1:A:31:SGN:H5 | 2.06 | 0.55 |
| 1:A:16:IDS:C6 | 1:A:17:SGN:H5 | 2.36 | 0.55 |
| 1:A:22:IDS:H3 | 1:A:23:SGN:S1 | 2.38 | 0.55 |
| 1:A:23:SGN:O6 | 1:A:24:IDS:O5 | 2.24 | 0.55 |
| 1:A:32:IDS:O6A | 1:A:33:SGN:O5 | 2.23 | 0.55 |
| 1:A:9:SGN:O6 | 1:A:10:IDS:O5 | 2.23 | 0.55 |
| 1:A:22:IDS:O6A | 1:A:23:SGN:H5 | 2.07 | 0.55 |
| 1:A:6:IDS:C3 | 1:A:7:SGN:S1 | 2.93 | 0.55 |
| 1:A:33:SGN:O6 | 1:A:34:IDS:O5 | 2.24 | 0.55 |
| 1:A:5:SGN:C6 | 1:A:6:IDS:C1 | 2.84 | 0.55 |
| 1:A:13:SGN:O3 | 1:A:14:IDS:C5 | 2.55 | 0.55 |
| 1:A:17:SGN:S2 | 1:A:18:IDS:O5 | 2.64 | 0.55 |
| 1:A:12:IDS:O6A | 1:A:13:SGN:C5 | 2.55 | 0.55 |
| 1:A:18:IDS:C3 | 1:A:19:SGN:S1 | 2.95 | 0.55 |
| 1:A:24:IDS:H3 | 1:A:25:SGN:N2 | 2.21 | 0.55 |
| 1:A:23:SGN:C1 | 1:A:23:SGN:O1S | 2.54 | 0.55 |
| 1:A:35:SGN:S2 | 1:A:36:IDS:O5 | 2.64 | 0.55 |
| 1:A:2:IDS:O6A | 1:A:3:SGN:C6 | 2.55 | 0.55 |
| 1:A:9:SGN:S2 | 1:A:10:IDS:C1 | 2.95 | 0.55 |
| 1:A:4:IDS:C3 | 1:A:5:SGN:S1 | 2.94 | 0.55 |
| 1:A:20:IDS:O6A | 1:A:21:SGN:C6 | 2.54 | 0.55 |
| 1:A:22:IDS:C3 | 1:A:23:SGN:S1 | 2.95 | 0.55 |
| 1:A:29:SGN:O4S | 1:A:30:IDS:C1 | 2.55 | 0.55 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:6:IDS:O3 | 1:A:7:SGN:S1 | 2.64 | 0.55 |
| 1:A:8:IDS:O3 | 1:A:9:SGN:O3S | 2.22 | 0.54 |
| 1:A:33:SGN:O3 | 1:A:34:IDS:O5 | 2.25 | 0.54 |
| 1:A:12:IDS:H3 | 1:A:13:SGN:O1S | 2.08 | 0.54 |
| 1:A:5:SGN:O4S | 1:A:6:IDS:C3 | 2.47 | 0.54 |
| 1:A:19:SGN:C5 | 1:A:20:IDS:O2S | 2.46 | 0.54 |
| 1:A:21:SGN:C6 | 1:A:22:IDS:C1 | 2.86 | 0.54 |
| 1:A:10:IDS:O2 | 1:A:11:SGN:O3S | 2.26 | 0.54 |
| 1:A:8:IDS:H3 | 1:A:9:SGN:O3S | 2.08 | 0.54 |
| 1:A:13:SGN:O3 | 1:A:14:IDS:O6B | 2.26 | 0.54 |
| 1:A:4:IDS:S | 1:A:5:SGN:O3S | 2.65 | 0.54 |
| 1:A:22:IDS:O3 | 1:A:23:SGN:S1 | 2.61 | 0.54 |
| 1:A:29:SGN:O3 | 1:A:30:IDS:O5 | 2.26 | 0.54 |
| 1:A:25:SGN:O3 | 1:A:26:IDS:C6 | 2.56 | 0.54 |
| 1:A:27:SGN:H61 | 1:A:28:IDS:S | 2.46 | 0.54 |
| 1:A:15:SGN:O4S | 1:A:16:IDS:O2 | 2.26 | 0.54 |
| 1:A:7:SGN:H61 | 1:A:8:IDS:O2 | 2.07 | 0.54 |
| 1:A:2:IDS:O6A | 1:A:3:SGN:C5 | 2.56 | 0.54 |
| 1:A:35:SGN:O6 | 1:A:36:IDS:O5 | 2.25 | 0.54 |
| 1:A:30:IDS:C3 | 1:A:31:SGN:O1S | 2.43 | 0.54 |
| 1:A:13:SGN:H61 | 1:A:14:IDS:O5 | 2.07 | 0.54 |
| 1:A:35:SGN:HO3 | 1:A:36:IDS:C5 | 2.09 | 0.54 |
| 1:A:17:SGN:HO3 | 1:A:18:IDS:H5 | 1.69 | 0.54 |
| 1:A:19:SGN:O4 | 1:A:20:IDS:O2S | 2.25 | 0.54 |
| 1:A:11:SGN:S2 | 1:A:12:IDS:O1S | 2.66 | 0.54 |
| 1:A:26:IDS:O3 | 1:A:27:SGN:N2 | 2.41 | 0.53 |
| 1:A:1:SGN:C6 | 1:A:2:IDS:C1 | 2.85 | 0.53 |
| 1:A:17:SGN:C6 | 1:A:18:IDS:S | 2.95 | 0.53 |
| 1:A:21:SGN:C6 | 1:A:22:IDS:C1 | 2.82 | 0.53 |
| 1:A:18:IDS:C6 | 1:A:19:SGN:H5 | 2.39 | 0.53 |
| 1:A:5:SGN:C4 | 1:A:6:IDS:O2S | 2.56 | 0.53 |
| 1:A:20:IDS:C3 | 1:A:21:SGN:O3S | 2.56 | 0.53 |
| 1:A:1:SGN:O3 | 1:A:2:IDS:C6 | 2.55 | 0.53 |
| 1:A:15:SGN:H61 | 1:A:16:IDS:C1 | 2.38 | 0.53 |
| 1:A:30:IDS:C3 | 1:A:31:SGN:N2 | 2.65 | 0.53 |
| 1:A:19:SGN:H61 | 1:A:20:IDS:O2S | 2.08 | 0.53 |
| 1:A:4:IDS:C3 | 1:A:5:SGN:N2 | 2.72 | 0.53 |
| 1:A:28:IDS:C3 | 1:A:29:SGN:N2 | 2.72 | 0.53 |
| 1:A:11:SGN:O4S | 1:A:12:IDS:C1 | 2.57 | 0.53 |
| 1:A:13:SGN:C1 | 1:A:13:SGN:O1S | 2.56 | 0.53 |
| 1:A:2:IDS:O6A | 1:A:3:SGN:H5 | 2.09 | 0.53 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:15:SGN:C6 | 1:A:16:IDS:O2S | 2.56 | 0.53 |
| 1:A:18:IDS:C3 | 1:A:19:SGN:O3S | 2.57 | 0.53 |
| 1:A:25:SGN:O6 | 1:A:26:IDS:O6B | 2.27 | 0.53 |
| 1:A:7:SGN:C6 | 1:A:8:IDS:C1 | 2.85 | 0.53 |
| 1:A:4:IDS:O3 | 1:A:5:SGN:N2 | 2.41 | 0.53 |
| 1:A:14:IDS:O3 | 1:A:15:SGN:O3S | 2.21 | 0.53 |
| 1:A:17:SGN:C6 | 1:A:18:IDS:O1S | 2.58 | 0.52 |
| 1:A:30:IDS:O6A | 1:A:31:SGN:H62 | 2.09 | 0.52 |
| 1:A:19:SGN:H5 | 1:A:20:IDS:O2S | 2.08 | 0.52 |
| 1:A:9:SGN:O6 | 1:A:10:IDS:C1 | 2.56 | 0.52 |
| 1:A:15:SGN:H61 | 1:A:16:IDS:S | 2.50 | 0.52 |
| 1:A:18:IDS:O3 | 1:A:19:SGN:O1S | 2.28 | 0.52 |
| 1:A:18:IDS:H3 | 1:A:19:SGN:N2 | 2.24 | 0.52 |
| 1:A:19:SGN:H61 | 1:A:20:IDS:O2S | 2.10 | 0.52 |
| 1:A:29:SGN:H61 | 1:A:30:IDS:S | 2.46 | 0.52 |
| 1:A:14:IDS:O2 | 1:A:15:SGN:O3S | 2.28 | 0.52 |
| 1:A:9:SGN:O4S | 1:A:10:IDS:S | 2.66 | 0.52 |
| 1:A:13:SGN:HO3 | 1:A:14:IDS:C5 | 2.23 | 0.52 |
| 1:A:1:SGN:O1S | 1:A:1:SGN:H1 | 2.10 | 0.52 |
| 1:A:4:IDS:C2 | 1:A:5:SGN:O3S | 2.48 | 0.52 |
| 1:A:27:SGN:C6 | 1:A:28:IDS:O2S | 2.38 | 0.52 |
| 1:A:9:SGN:H61 | 1:A:10:IDS:C1 | 2.40 | 0.52 |
| 1:A:5:SGN:S2 | 1:A:6:IDS:O6B | 2.69 | 0.51 |
| 1:A:31:SGN:S2 | 1:A:32:IDS:O1S | 2.64 | 0.51 |
| 1:A:30:IDS:H3 | 1:A:31:SGN:S1 | 2.45 | 0.51 |
| 1:A:24:IDS:C3 | 1:A:25:SGN:S1 | 2.98 | 0.51 |
| 1:A:33:SGN:O6 | 1:A:34:IDS:O5 | 2.28 | 0.51 |
| 1:A:6:IDS:O3 | 1:A:7:SGN:S1 | 2.68 | 0.51 |
| 1:A:14:IDS:C3 | 1:A:15:SGN:N2 | 2.73 | 0.51 |
| 1:A:17:SGN:C6 | 1:A:18:IDS:C1 | 2.89 | 0.51 |
| 1:A:23:SGN:H61 | 1:A:24:IDS:O2S | 2.11 | 0.51 |
| 1:A:31:SGN:O3 | 1:A:32:IDS:O5 | 2.24 | 0.51 |
| 1:A:25:SGN:C6 | 1:A:26:IDS:C1 | 2.85 | 0.51 |
| 1:A:29:SGN:O6 | 1:A:30:IDS:C1 | 2.59 | 0.50 |
| 1:A:9:SGN:C6 | 1:A:10:IDS:C1 | 2.89 | 0.50 |
| 1:A:17:SGN:O4 | 1:A:18:IDS:O2S | 2.29 | 0.50 |
| 1:A:7:SGN:C6 | 1:A:8:IDS:C1 | 2.88 | 0.50 |
| 1:A:23:SGN:O5S | 1:A:24:IDS:O4 | 2.29 | 0.50 |
| 1:A:21:SGN:C6 | 1:A:22:IDS:C1 | 2.90 | 0.50 |
| 1:A:35:SGN:O1S | 1:A:35:SGN:C1 | 2.60 | 0.50 |
| 1:A:21:SGN:HO3 | 1:A:22:IDS:C6 | 2.24 | 0.50 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:30:IDS:O6A | 1:A:31:SGN:C5 | 2.60 | 0.50 |
| 1:A:28:IDS:O6A | 1:A:29:SGN:C5 | 2.60 | 0.50 |
| 1:A:33:SGN:H61 | 1:A:34:IDS:O1S | 2.11 | 0.50 |
| 1:A:14:IDS:H3 | 1:A:15:SGN:O3S | 2.08 | 0.50 |
| 1:A:19:SGN:HO3 | 1:A:20:IDS:C5 | 2.24 | 0.50 |
| 1:A:33:SGN:O3 | 1:A:34:IDS:O5 | 2.29 | 0.50 |
| 1:A:11:SGN:H62 | 1:A:12:IDS:O2S | 2.12 | 0.50 |
| 1:A:8:IDS:O2 | 1:A:9:SGN:O3S | 2.29 | 0.50 |
| 1:A:12:IDS:C3 | 1:A:13:SGN:O1S | 2.59 | 0.50 |
| 1:A:5:SGN:O3 | 1:A:6:IDS:H5 | 2.11 | 0.50 |
| 1:A:7:SGN:O3 | 1:A:8:IDS:H5 | 2.11 | 0.49 |
| 1:A:6:IDS:H3 | 1:A:7:SGN:O1S | 2.12 | 0.49 |
| 1:A:31:SGN:C6 | 1:A:32:IDS:C1 | 2.89 | 0.49 |
| 1:A:8:IDS:O3 | 1:A:9:SGN:O3S | 2.30 | 0.49 |
| 1:A:3:SGN:S2 | 1:A:4:IDS:O6B | 2.71 | 0.49 |
| 1:A:7:SGN:C6 | 1:A:8:IDS:C1 | 2.90 | 0.49 |
| 1:A:25:SGN:O3 | 1:A:26:IDS:C5 | 2.60 | 0.49 |
| 1:A:22:IDS:C3 | 1:A:23:SGN:O3S | 2.60 | 0.49 |
| 1:A:30:IDS:C3 | 1:A:31:SGN:S1 | 2.97 | 0.49 |
| 1:A:19:SGN:O6 | 1:A:20:IDS:C1 | 2.61 | 0.49 |
| 1:A:23:SGN:O6 | 1:A:24:IDS:O5 | 2.29 | 0.49 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:H5 | 2.12 | 0.49 |
| 1:A:21:SGN:O4S | 1:A:22:IDS:O2 | 2.29 | 0.49 |
| 1:A:25:SGN:O3 | 1:A:26:IDS:O5 | 2.28 | 0.49 |
| 1:A:15:SGN:H61 | 1:A:16:IDS:S | 2.52 | 0.49 |
| 1:A:3:SGN:HO3 | 1:A:4:IDS:C6 | 2.24 | 0.49 |
| 1:A:12:IDS:O3 | 1:A:13:SGN:N2 | 2.46 | 0.49 |
| 1:A:35:SGN:H61 | 1:A:36:IDS:O2S | 2.13 | 0.49 |
| 1:A:35:SGN:O4S | 1:A:36:IDS:O1S | 2.31 | 0.49 |
| 1:A:5:SGN:HO3 | 1:A:6:IDS:C6 | 2.24 | 0.49 |
| 1:A:20:IDS:O3 | 1:A:21:SGN:O3S | 2.11 | 0.49 |
| 1:A:10:IDS:H3 | 1:A:11:SGN:S1 | 2.53 | 0.49 |
| 1:A:15:SGN:H61 | 1:A:16:IDS:O1S | 2.12 | 0.49 |
| 1:A:12:IDS:C3 | 1:A:13:SGN:O1S | 2.61 | 0.48 |
| 1:A:7:SGN:O4 | 1:A:8:IDS:O2S | 2.31 | 0.48 |
| 1:A:29:SGN:O3 | 1:A:30:IDS:H5 | 2.10 | 0.48 |
| 1:A:31:SGN:O3 | 1:A:32:IDS:O6B | 2.30 | 0.48 |
| 1:A:29:SGN:O3 | 1:A:30:IDS:H5 | 2.12 | 0.48 |
| 1:A:23:SGN:C6 | 1:A:24:IDS:C1 | 2.91 | 0.48 |
| 1:A:13:SGN:O3 | 1:A:14:IDS:O5 | 2.27 | 0.48 |
| 1:A:18:IDS:C2 | 1:A:19:SGN:O3S | 2.61 | 0.48 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:12:IDS:O6A | 1:A:13:SGN:H5 | 2.14 | 0.48 |
| 1:A:29:SGN:C6 | 1:A:30:IDS:C1 | 2.92 | 0.48 |
| 1:A:15:SGN:C6 | 1:A:16:IDS:O1S | 2.61 | 0.48 |
| 1:A:9:SGN:O6 | 1:A:10:IDS:C1 | 2.62 | 0.48 |
| 1:A:22:IDS:O6B | 1:A:23:SGN:H5 | 2.13 | 0.48 |
| 1:A:17:SGN:C6 | 1:A:18:IDS:O2S | 2.62 | 0.47 |
| 1:A:9:SGN:O4 | 1:A:10:IDS:O2S | 2.32 | 0.47 |
| 1:A:4:IDS:O2 | 1:A:5:SGN:S1 | 2.64 | 0.47 |
| 1:A:17:SGN:C5 | 1:A:18:IDS:O2S | 2.61 | 0.47 |
| 1:A:12:IDS:O6A | 1:A:13:SGN:H5 | 2.14 | 0.47 |
| 1:A:6:IDS:O3 | 1:A:7:SGN:N2 | 2.44 | 0.47 |
| 1:A:11:SGN:O3 | 1:A:12:IDS:O6B | 2.31 | 0.47 |
| 1:A:19:SGN:H5 | 1:A:20:IDS:O2S | 2.15 | 0.47 |
| 1:A:27:SGN:O6 | 1:A:28:IDS:C1 | 2.61 | 0.47 |
| 1:A:5:SGN:H61 | 1:A:6:IDS:C1 | 2.45 | 0.47 |
| 1:A:14:IDS:C3 | 1:A:15:SGN:O1S | 2.60 | 0.47 |
| 1:A:33:SGN:H61 | 1:A:34:IDS:C1 | 2.44 | 0.47 |
| 1:A:4:IDS:O3 | 1:A:5:SGN:O3S | 2.26 | 0.47 |
| 1:A:20:IDS:O2 | 1:A:21:SGN:O1S | 2.32 | 0.47 |
| 1:A:34:IDS:C3 | 1:A:35:SGN:O1S | 2.62 | 0.47 |
| 1:A:17:SGN:O4S | 1:A:19:SGN:O1S | 2.33 | 0.47 |
| 1:A:7:SGN:O3 | 1:A:8:IDS:O6B | 2.33 | 0.47 |
| 1:A:24:IDS:H3 | 1:A:25:SGN:S1 | 2.54 | 0.47 |
| 1:A:15:SGN:H61 | 1:A:16:IDS:O2S | 2.15 | 0.47 |
| 1:A:4:IDS:O3 | 1:A:5:SGN:O3S | 2.30 | 0.47 |
| 1:A:15:SGN:H61 | 1:A:16:IDS:S | 2.55 | 0.47 |
| 1:A:28:IDS:O3 | 1:A:29:SGN:O3S | 2.28 | 0.47 |
| 1:A:11:SGN:C6 | 1:A:12:IDS:C1 | 2.83 | 0.47 |
| 1:A:12:IDS:H3 | 1:A:13:SGN:O1S | 2.13 | 0.47 |
| 1:A:18:IDS:C3 | 1:A:19:SGN:N2 | 2.72 | 0.47 |
| 1:A:29:SGN:O6 | 1:A:30:IDS:O6B | 2.33 | 0.47 |
| 1:A:35:SGN:H61 | 1:A:36:IDS:C1 | 2.45 | 0.46 |
| 1:A:20:IDS:C2 | 1:A:21:SGN:O1S | 2.61 | 0.46 |
| 1:A:21:SGN:C1 | 1:A:21:SGN:O1S | 2.63 | 0.46 |
| 1:A:17:SGN:C6 | 1:A:18:IDS:C1 | 2.93 | 0.46 |
| 1:A:3:SGN:C6 | 1:A:4:IDS:O5 | 2.61 | 0.46 |
| 1:A:15:SGN:O3 | 1:A:16:IDS:O5 | 2.33 | 0.46 |
| 1:A:6:IDS:H3 | 1:A:7:SGN:O1S | 2.15 | 0.46 |
| 1:A:25:SGN:O4S | 1:A:26:IDS:O5 | 2.34 | 0.46 |
| 1:A:7:SGN:H61 | 1:A:8:IDS:S | 2.55 | 0.46 |
| 1:A:26:IDS:C3 | 1:A:27:SGN:N2 | 2.79 | 0.46 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:3:SGN:O1S | 1:A:3:SGN:C1 | 2.63 | 0.46 |
| 1:A:2:IDS:O6A | 1:A:3:SGN:O5 | 2.34 | 0.46 |
| 1:A:11:SGN:C6 | 1:A:12:IDS:C1 | 2.93 | 0.46 |
| 1:A:33:SGN:H61 | 1:A:34:IDS:S | 2.55 | 0.46 |
| 1:A:10:IDS:O6B | 1:A:11:SGN:H5 | 2.16 | 0.46 |
| 1:A:19:SGN:C6 | 1:A:20:IDS:O2S | 2.64 | 0.46 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:O5 | 2.34 | 0.46 |
| 1:A:30:IDS:O6A | 1:A:31:SGN:C5 | 2.63 | 0.46 |
| 1:A:8:IDS:C3 | 1:A:9:SGN:N2 | 2.79 | 0.45 |
| 1:A:24:IDS:H3 | 1:A:25:SGN:S1 | 2.44 | 0.45 |
| 1:A:9:SGN:O5S | 1:A:10:IDS:C1 | 2.64 | 0.45 |
| 1:A:22:IDS:O3 | 1:A:23:SGN:N2 | 2.50 | 0.45 |
| 1:A:27:SGN:O3 | 1:A:28:IDS:O5 | 2.28 | 0.45 |
| 1:A:11:SGN:O6 | 1:A:12:IDS:C1 | 2.65 | 0.45 |
| 1:A:9:SGN:O1S | 1:A:9:SGN:C1 | 2.64 | 0.45 |
| 1:A:8:IDS:O3 | 1:A:9:SGN:S1 | 2.74 | 0.45 |
| 1:A:2:IDS:O6A | 1:A:3:SGN:H62 | 2.17 | 0.45 |
| 1:A:30:IDS:O6A | 1:A:31:SGN:C6 | 2.64 | 0.45 |
| 1:A:22:IDS:H3 | 1:A:23:SGN:S1 | 2.56 | 0.45 |
| 1:A:23:SGN:C6 | 1:A:24:IDS:O5 | 2.64 | 0.45 |
| 1:A:2:IDS:H3 | 1:A:3:SGN:O3S | 2.17 | 0.45 |
| 1:A:3:SGN:O5S | 1:A:4:IDS:C6 | 2.64 | 0.45 |
| 1:A:10:IDS:H3 | 1:A:11:SGN:O3S | 2.01 | 0.45 |
| 1:A:20:IDS:O3 | 1:A:21:SGN:O3S | 2.32 | 0.45 |
| 1:A:30:IDS:C6 | 1:A:31:SGN:H5 | 2.44 | 0.45 |
| 1:A:33:SGN:O4 | 1:A:34:IDS:O2S | 2.35 | 0.45 |
| 1:A:31:SGN:O3 | 1:A:32:IDS:H5 | 2.17 | 0.45 |
| 1:A:25:SGN:C6 | 1:A:26:IDS:C1 | 2.88 | 0.45 |
| 1:A:16:IDS:C3 | 1:A:17:SGN:S1 | 2.93 | 0.45 |
| 1:A:15:SGN:C6 | 1:A:16:IDS:C1 | 2.94 | 0.45 |
| 1:A:20:IDS:H3 | 1:A:21:SGN:N2 | 2.28 | 0.45 |
| 1:A:10:IDS:C3 | 1:A:11:SGN:O1S | 2.43 | 0.45 |
| 1:A:11:SGN:C6 | 1:A:12:IDS:O2S | 2.60 | 0.45 |
| 1:A:19:SGN:O3 | 1:A:20:IDS:O5 | 2.33 | 0.45 |
| 1:A:26:IDS:O6A | 1:A:28:IDS:O2S | 2.35 | 0.45 |
| 1:A:21:SGN:O6 | 1:A:22:IDS:O5 | 2.35 | 0.44 |
| 1:A:25:SGN:O4 | 1:A:26:IDS:O2S | 2.36 | 0.44 |
| 1:A:18:IDS:O3 | 1:A:19:SGN:S1 | 2.74 | 0.44 |
| 1:A:24:IDS:H3 | 1:A:25:SGN:S1 | 2.57 | 0.44 |
| 1:A:31:SGN:O3 | 1:A:32:IDS:C5 | 2.66 | 0.44 |
| 1:A:10:IDS:H3 | 1:A:11:SGN:N2 | 2.21 | 0.44 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:21:SGN:O5S | 1:A:22:IDS:O6B | 2.36 | 0.44 |
| 1:A:29:SGN:O3 | 1:A:30:IDS:C5 | 2.65 | 0.44 |
| 1:A:5:SGN:C5 | 1:A:6:IDS:O2S | 2.59 | 0.44 |
| 1:A:35:SGN:H61 | 1:A:36:IDS:C1 | 2.47 | 0.44 |
| 1:A:10:IDS:H3 | 1:A:11:SGN:O3S | 2.11 | 0.44 |
| 1:A:21:SGN:H61 | 1:A:22:IDS:O2S | 2.18 | 0.44 |
| 1:A:30:IDS:S | 1:A:31:SGN:O3S | 2.76 | 0.44 |
| 1:A:26:IDS:H3 | 1:A:27:SGN:C2 | 2.37 | 0.44 |
| 1:A:22:IDS:O6A | 1:A:23:SGN:O5 | 2.35 | 0.44 |
| 1:A:9:SGN:C6 | 1:A:10:IDS:C1 | 2.95 | 0.43 |
| 1:A:17:SGN:O2S | 1:A:18:IDS:O6B | 2.36 | 0.43 |
| 1:A:3:SGN:O4 | 1:A:4:IDS:O2S | 2.36 | 0.43 |
| 1:A:12:IDS:O3 | 1:A:13:SGN:O1S | 2.25 | 0.43 |
| 1:A:27:SGN:H61 | 1:A:28:IDS:S | 2.47 | 0.43 |
| 1:A:33:SGN:H61 | 1:A:34:IDS:C1 | 2.49 | 0.43 |
| 1:A:11:SGN:O3 | 1:A:12:IDS:H5 | 2.18 | 0.43 |
| 1:A:14:IDS:O3 | 1:A:15:SGN:S1 | 2.70 | 0.43 |
| 1:A:25:SGN:S2 | 1:A:26:IDS:O6B | 2.77 | 0.43 |
| 1:A:15:SGN:O4 | 1:A:16:IDS:O2S | 2.36 | 0.43 |
| 1:A:22:IDS:O3 | 1:A:23:SGN:N2 | 2.50 | 0.43 |
| 1:A:11:SGN:O1S | 1:A:11:SGN:C1 | 2.66 | 0.43 |
| 1:A:5:SGN:O4S | 1:A:6:IDS:O2S | 2.37 | 0.43 |
| 1:A:5:SGN:C6 | 1:A:6:IDS:C1 | 2.97 | 0.43 |
| 1:A:10:IDS:O6A | 1:A:12:IDS:O2S | 2.36 | 0.43 |
| 1:A:33:SGN:O4 | 1:A:34:IDS:O2S | 2.37 | 0.43 |
| 1:A:5:SGN:H4 | 1:A:6:IDS:O2S | 2.18 | 0.43 |
| 1:A:1:SGN:C6 | 1:A:2:IDS:C1 | 2.97 | 0.43 |
| 1:A:25:SGN:C6 | 1:A:26:IDS:C1 | 2.92 | 0.43 |
| 1:A:22:IDS:O3S | 1:A:23:SGN:O3S | 2.36 | 0.42 |
| 1:A:9:SGN:H61 | 1:A:10:IDS:O2 | 2.19 | 0.42 |
| 1:A:13:SGN:H61 | 1:A:14:IDS:S | 2.59 | 0.42 |
| 1:A:17:SGN:O3 | 1:A:18:IDS:O5 | 2.36 | 0.42 |
| 1:A:1:SGN:O6 | 1:A:2:IDS:C1 | 2.65 | 0.42 |
| 1:A:20:IDS:C6 | 1:A:21:SGN:H5 | 2.49 | 0.42 |
| 1:A:4:IDS:O6A | 1:A:5:SGN:C1 | 2.68 | 0.42 |
| 1:A:31:SGN:O1S | 1:A:31:SGN:C1 | 2.67 | 0.42 |
| 1:A:11:SGN:H61 | 1:A:12:IDS:C1 | 2.48 | 0.42 |
| 1:A:26:IDS:C3 | 1:A:27:SGN:N2 | 2.83 | 0.42 |
| 1:A:17:SGN:O4S | 1:A:18:IDS:C1 | 2.67 | 0.42 |
| 1:A:2:IDS:O6A | 1:A:3:SGN:H5 | 2.20 | 0.42 |
| 1:A:9:SGN:O3 | 1:A:10:IDS:H5 | 2.20 | 0.42 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:16:IDS:O3 | 1:A:17:SGN:N2 | 2.53 | 0.42 |
| 1:A:5:SGN:O3 | 1:A:6:IDS:O5 | 2.30 | 0.41 |
| 1:A:14:IDS:O3 | 1:A:15:SGN:O3S | 2.33 | 0.41 |
| 1:A:21:SGN:S2 | 1:A:22:IDS:S | 3.18 | 0.41 |
| 1:A:31:SGN:O6 | 1:A:32:IDS:O5 | 2.38 | 0.41 |
| 1:A:9:SGN:C6 | 1:A:10:IDS:C1 | 2.95 | 0.41 |
| 1:A:24:IDS:H3 | 1:A:25:SGN:S1 | 2.49 | 0.41 |
| 1:A:6:IDS:H3 | 1:A:7:SGN:N2 | 2.34 | 0.41 |
| 1:A:11:SGN:C6 | 1:A:12:IDS:C1 | 2.97 | 0.41 |
| 1:A:24:IDS:O2 | 1:A:25:SGN:O3S | 2.38 | 0.41 |
| 1:A:9:SGN:C6 | 1:A:10:IDS:C1 | 2.98 | 0.41 |
| 1:A:31:SGN:O3 | 1:A:32:IDS:H5 | 2.21 | 0.41 |
| 1:A:15:SGN:O3 | 1:A:16:IDS:H5 | 2.20 | 0.41 |
| 1:A:3:SGN:O1S | 1:A:3:SGN:C1 | 2.68 | 0.41 |
| 1:A:32:IDS:O6B | 1:A:33:SGN:H5 | 2.13 | 0.41 |
| 1:A:4:IDS:H3 | 1:A:5:SGN:N2 | 2.35 | 0.41 |
| 1:A:30:IDS:O2 | 1:A:31:SGN:O3S | 2.38 | 0.41 |
| 1:A:21:SGN:O3 | 1:A:22:IDS:O6B | 2.11 | 0.41 |
| 1:A:32:IDS:O3S | 1:A:33:SGN:O3S | 2.38 | 0.41 |
| 1:A:20:IDS:H3 | 1:A:21:SGN:O1S | 2.20 | 0.41 |
| 1:A:24:IDS:H3 | 1:A:25:SGN:O3S | 2.21 | 0.41 |
| 1:A:29:SGN:S2 | 1:A:30:IDS:O5 | 2.79 | 0.41 |
| 1:A:27:SGN:HO3 | 1:A:28:IDS:C1 | 2.32 | 0.41 |
| 1:A:18:IDS:O3 | 1:A:19:SGN:N2 | 2.53 | 0.41 |
| 1:A:19:SGN:H61 | 1:A:20:IDS:C1 | 2.51 | 0.41 |
| 1:A:9:SGN:O5S | 1:A:10:IDS:C5 | 2.68 | 0.41 |
| 1:A:34:IDS:H4 | 1:A:35:SGN:O1S | 2.20 | 0.41 |
| 1:A:12:IDS:O2 | 1:A:13:SGN:O3S | 2.39 | 0.41 |
| 1:A:3:SGN:C6 | 1:A:4:IDS:C1 | 2.98 | 0.41 |
| 1:A:29:SGN:C6 | 1:A:30:IDS:O5 | 2.69 | 0.41 |
| 1:A:11:SGN:O4 | 1:A:12:IDS:O2S | 2.38 | 0.41 |
| 1:A:35:SGN:S2 | 1:A:36:IDS:C1 | 3.09 | 0.41 |
| 1:A:23:SGN:H61 | 1:A:24:IDS:O5 | 2.18 | 0.41 |
| 1:A:35:SGN:C6 | 1:A:36:IDS:C1 | 2.92 | 0.41 |
| 1:A:1:SGN:S2 | 1:A:3:SGN:H5 | 2.60 | 0.41 |
| 1:A:8:IDS:O6A | 1:A:9:SGN:C5 | 2.68 | 0.41 |
| 1:A:6:IDS:C3 | 1:A:7:SGN:S1 | 3.03 | 0.41 |
| 1:A:35:SGN:O6 | 1:A:36:IDS:O2S | 2.37 | 0.41 |
| 1:A:23:SGN:O4 | 1:A:24:IDS:O2S | 2.39 | 0.41 |
| 1:A:35:SGN:C6 | 1:A:36:IDS:O1S | 2.64 | 0.40 |
| 1:A:4:IDS:O1S | 1:A:5:SGN:O3S | 2.39 | 0.40 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|----------------|----------------|--------------------------|-------------------|
| 1:A:22:IDS:C2 | 1:A:23:SGN:O3S | 2.40 | 0.40 |
| 1:A:17:SGN:H61 | 1:A:18:IDS:S | 2.57 | 0.40 |
| 1:A:18:IDS:C3 | 1:A:19:SGN:S1 | 3.05 | 0.40 |
| 1:A:16:IDS:C3 | 1:A:17:SGN:N2 | 2.48 | 0.40 |
| 1:A:35:SGN:S2 | 1:A:36:IDS:C1 | 3.09 | 0.40 |
| 1:A:28:IDS:O3 | 1:A:29:SGN:S1 | 2.73 | 0.40 |
| 1:A:11:SGN:O1S | 1:A:11:SGN:C1 | 2.70 | 0.40 |
| 1:A:29:SGN:O6 | 1:A:30:IDS:O5 | 2.40 | 0.40 |
| 1:A:27:SGN:O5S | 1:A:28:IDS:O5 | 2.40 | 0.40 |

There are no symmetry-related clashes.

4.3 Torsion angles [i](#)

4.3.1 Protein backbone [i](#)

There are no protein molecules in this entry.

4.3.2 Protein sidechains [i](#)

There are no protein molecules in this entry.

4.3.3 RNA [i](#)

There are no RNA molecules in this entry.

4.4 Non-standard residues in protein, DNA, RNA chains [i](#)

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

4.5 Carbohydrates [i](#)

504 monosaccharides 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$ |
| 1 | SGN | 1-A | 1 | 1 | 19,20,20 | 1.09 | 1 (5%) | 24,31,31 | 0.97 | 1 (4%) |
| 1 | IDS | 1-A | 10 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 1-A | 11 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 1-A | 12 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.28 | 3 (17%) |
| 1 | SGN | 1-A | 13 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
| 1 | IDS | 1-A | 14 | 1 | 16,16,17 | 1.41 | 2 (12%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 1-A | 15 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 1-A | 16 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 1-A | 17 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 1-A | 18 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 1-A | 19 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 1-A | 2 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | IDS | 1-A | 20 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 1-A | 21 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 1-A | 22 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 1-A | 23 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 1-A | 24 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 1-A | 25 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 1-A | 26 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 1-A | 27 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 1-A | 28 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 1-A | 29 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 1-A | 3 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 1-A | 30 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 1-A | 31 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 1-A | 32 | 1 | 16,16,17 | 1.38 | 3 (18%) | 17,24,26 | 2.28 | 3 (17%) |
| 1 | SGN | 1-A | 33 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 1-A | 34 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 1-A | 35 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 1-A | 36 | 1 | 15,15,17 | 1.52 | 3 (20%) | 15,22,26 | 2.46 | 3 (20%) |
| 1 | IDS | 1-A | 4 | 1 | 16,16,17 | 1.39 | 2 (12%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 1-A | 5 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 1-A | 6 | 1 | 16,16,17 | 1.39 | 2 (12%) | 17,24,26 | 2.25 | 3 (17%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 1 | SGN | 1-A | 7 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 1-A | 8 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 1-A | 9 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
| 1 | SGN | 10-A | 1 | 1 | 19,20,20 | 1.09 | 1 (5%) | 24,31,31 | 0.98 | 1 (4%) |
| 1 | IDS | 10-A | 10 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 10-A | 11 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 10-A | 12 | 1 | 16,16,17 | 1.38 | 3 (18%) | 17,24,26 | 2.29 | 3 (17%) |
| 1 | SGN | 10-A | 13 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 10-A | 14 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 10-A | 15 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 10-A | 16 | 1 | 16,16,17 | 1.38 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 10-A | 17 | 1 | 18,19,20 | 1.25 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 10-A | 18 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 10-A | 19 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 10-A | 2 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | IDS | 10-A | 20 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 10-A | 21 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 10-A | 22 | 1 | 16,16,17 | 1.38 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 10-A | 23 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 10-A | 24 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 10-A | 25 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 10-A | 26 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 10-A | 27 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 10-A | 28 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 10-A | 29 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 10-A | 3 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 10-A | 30 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 10-A | 31 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 10-A | 32 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 10-A | 33 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 10-A | 34 | 1 | 16,16,17 | 1.43 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 10-A | 35 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 10-A | 36 | 1 | 15,15,17 | 1.50 | 3 (20%) | 15,22,26 | 2.44 | 3 (20%) |
| 1 | IDS | 10-A | 4 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 10-A | 5 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 1 | IDS | 10-A | 6 | 1 | 16,16,17 | 1.38 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 10-A | 7 | 1 | 18,19,20 | 1.27 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 10-A | 8 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 10-A | 9 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
| 1 | SGN | 11-A | 1 | 1 | 19,20,20 | 1.09 | 1 (5%) | 24,31,31 | 0.97 | 1 (4%) |
| 1 | IDS | 11-A | 10 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 11-A | 11 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 11-A | 12 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.28 | 3 (17%) |
| 1 | SGN | 11-A | 13 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 11-A | 14 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 11-A | 15 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 11-A | 16 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 11-A | 17 | 1 | 18,19,20 | 1.26 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 11-A | 18 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 11-A | 19 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 11-A | 2 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | IDS | 11-A | 20 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 11-A | 21 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 11-A | 22 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 11-A | 23 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 11-A | 24 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 11-A | 25 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 11-A | 26 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 11-A | 27 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 11-A | 28 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 11-A | 29 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 11-A | 3 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 11-A | 30 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 11-A | 31 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 11-A | 32 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 11-A | 33 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 11-A | 34 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 11-A | 35 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 11-A | 36 | 1 | 15,15,17 | 1.51 | 3 (20%) | 15,22,26 | 2.45 | 3 (20%) |
| 1 | IDS | 11-A | 4 | 1 | 16,16,17 | 1.41 | 2 (12%) | 17,24,26 | 2.25 | 3 (17%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 1 | SGN | 11-A | 5 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 11-A | 6 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 11-A | 7 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 11-A | 8 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 11-A | 9 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 12-A | 1 | 1 | 19,20,20 | 1.09 | 1 (5%) | 24,31,31 | 0.98 | 1 (4%) |
| 1 | IDS | 12-A | 10 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 12-A | 11 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 12-A | 12 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.28 | 3 (17%) |
| 1 | SGN | 12-A | 13 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 12-A | 14 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 12-A | 15 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
| 1 | IDS | 12-A | 16 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.28 | 3 (17%) |
| 1 | SGN | 12-A | 17 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 12-A | 18 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 12-A | 19 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 12-A | 2 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | IDS | 12-A | 20 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 12-A | 21 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 12-A | 22 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 12-A | 23 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 12-A | 24 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 12-A | 25 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 12-A | 26 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 12-A | 27 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 12-A | 28 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 12-A | 29 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 12-A | 3 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 12-A | 30 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 12-A | 31 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 12-A | 32 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 12-A | 33 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 12-A | 34 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 12-A | 35 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
| 1 | IDS | 12-A | 36 | 1 | 15,15,17 | 1.50 | 3 (20%) | 15,22,26 | 2.45 | 3 (20%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 1 | IDS | 12-A | 4 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 12-A | 5 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
| 1 | IDS | 12-A | 6 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 12-A | 7 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 12-A | 8 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 12-A | 9 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 13-A | 1 | 1 | 19,20,20 | 1.10 | 1 (5%) | 24,31,31 | 0.98 | 1 (4%) |
| 1 | IDS | 13-A | 10 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 13-A | 11 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 13-A | 12 | 1 | 16,16,17 | 1.38 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 13-A | 13 | 1 | 18,19,20 | 1.20 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
| 1 | IDS | 13-A | 14 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 13-A | 15 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 13-A | 16 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 13-A | 17 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 13-A | 18 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 13-A | 19 | 1 | 18,19,20 | 1.25 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 13-A | 2 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | IDS | 13-A | 20 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 13-A | 21 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 13-A | 22 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 13-A | 23 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 13-A | 24 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 13-A | 25 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 13-A | 26 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 13-A | 27 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 13-A | 28 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 13-A | 29 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 13-A | 3 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 13-A | 30 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 13-A | 31 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 13-A | 32 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 13-A | 33 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 13-A | 34 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 13-A | 35 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 1 | IDS | 13-A | 36 | 1 | 15,15,17 | 1.52 | 3 (20%) | 15,22,26 | 2.45 | 3 (20%) |
| 1 | IDS | 13-A | 4 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 13-A | 5 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 13-A | 6 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 13-A | 7 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 13-A | 8 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 13-A | 9 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 14-A | 1 | 1 | 19,20,20 | 1.09 | 1 (5%) | 24,31,31 | 0.98 | 1 (4%) |
| 1 | IDS | 14-A | 10 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 14-A | 11 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 14-A | 12 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.29 | 3 (17%) |
| 1 | SGN | 14-A | 13 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 14-A | 14 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 14-A | 15 | 1 | 18,19,20 | 1.25 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 14-A | 16 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 14-A | 17 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 14-A | 18 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.24 | 3 (17%) |
| 1 | SGN | 14-A | 19 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 14-A | 2 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | IDS | 14-A | 20 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 14-A | 21 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 14-A | 22 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 14-A | 23 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 14-A | 24 | 1 | 16,16,17 | 1.40 | 2 (12%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 14-A | 25 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 14-A | 26 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 14-A | 27 | 1 | 18,19,20 | 1.25 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 14-A | 28 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 14-A | 29 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 14-A | 3 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 14-A | 30 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 14-A | 31 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 14-A | 32 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 14-A | 33 | 1 | 18,19,20 | 1.25 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 14-A | 34 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 1 | SGN | 14-A | 35 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 14-A | 36 | 1 | 15,15,17 | 1.50 | 3 (20%) | 15,22,26 | 2.44 | 3 (20%) |
| 1 | IDS | 14-A | 4 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 14-A | 5 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 14-A | 6 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 14-A | 7 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 14-A | 8 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 14-A | 9 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
| 1 | SGN | 2-A | 1 | 1 | 19,20,20 | 1.09 | 1 (5%) | 24,31,31 | 0.98 | 1 (4%) |
| 1 | IDS | 2-A | 10 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 2-A | 11 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 2-A | 12 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.28 | 3 (17%) |
| 1 | SGN | 2-A | 13 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 2-A | 14 | 1 | 16,16,17 | 1.43 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 2-A | 15 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 2-A | 16 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 2-A | 17 | 1 | 18,19,20 | 1.25 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 2-A | 18 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.24 | 3 (17%) |
| 1 | SGN | 2-A | 19 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 2-A | 2 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | IDS | 2-A | 20 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 2-A | 21 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 2-A | 22 | 1 | 16,16,17 | 1.38 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 2-A | 23 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 2-A | 24 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 2-A | 25 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 2-A | 26 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 2-A | 27 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 2-A | 28 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 2-A | 29 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 2-A | 3 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 2-A | 30 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 2-A | 31 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 2-A | 32 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 2-A | 33 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 1 | IDS | 2-A | 34 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.24 | 3 (17%) |
| 1 | SGN | 2-A | 35 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 2-A | 36 | 1 | 15,15,17 | 1.53 | 3 (20%) | 15,22,26 | 2.45 | 3 (20%) |
| 1 | IDS | 2-A | 4 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 2-A | 5 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 2-A | 6 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 2-A | 7 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 2-A | 8 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 2-A | 9 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 3-A | 1 | 1 | 19,20,20 | 1.09 | 1 (5%) | 24,31,31 | 0.98 | 1 (4%) |
| 1 | IDS | 3-A | 10 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 3-A | 11 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 3-A | 12 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.28 | 3 (17%) |
| 1 | SGN | 3-A | 13 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 3-A | 14 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 3-A | 15 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 3-A | 16 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 3-A | 17 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 3-A | 18 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 3-A | 19 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 3-A | 2 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | IDS | 3-A | 20 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 3-A | 21 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 3-A | 22 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 3-A | 23 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 3-A | 24 | 1 | 16,16,17 | 1.42 | 2 (12%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 3-A | 25 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 3-A | 26 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 3-A | 27 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 3-A | 28 | 1 | 16,16,17 | 1.43 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 3-A | 29 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 3-A | 3 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 3-A | 30 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 3-A | 31 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 3-A | 32 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 1 | SGN | 3-A | 33 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 3-A | 34 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 3-A | 35 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 3-A | 36 | 1 | 15,15,17 | 1.50 | 3 (20%) | 15,22,26 | 2.45 | 3 (20%) |
| 1 | IDS | 3-A | 4 | 1 | 16,16,17 | 1.41 | 2 (12%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 3-A | 5 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 3-A | 6 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 3-A | 7 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 3-A | 8 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 3-A | 9 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 4-A | 1 | 1 | 19,20,20 | 1.09 | 1 (5%) | 24,31,31 | 0.98 | 1 (4%) |
| 1 | IDS | 4-A | 10 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 4-A | 11 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 4-A | 12 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 4-A | 13 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
| 1 | IDS | 4-A | 14 | 1 | 16,16,17 | 1.43 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 4-A | 15 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 4-A | 16 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 4-A | 17 | 1 | 18,19,20 | 1.25 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 4-A | 18 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 4-A | 19 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 4-A | 2 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | IDS | 4-A | 20 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 4-A | 21 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 4-A | 22 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 4-A | 23 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 4-A | 24 | 1 | 16,16,17 | 1.41 | 2 (12%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 4-A | 25 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 4-A | 26 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 4-A | 27 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 4-A | 28 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 4-A | 29 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 4-A | 3 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 4-A | 30 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 4-A | 31 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 1 | IDS | 4-A | 32 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 4-A | 33 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 4-A | 34 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 4-A | 35 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 4-A | 36 | 1 | 15,15,17 | 1.53 | 3 (20%) | 15,22,26 | 2.44 | 3 (20%) |
| 1 | IDS | 4-A | 4 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 4-A | 5 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 4-A | 6 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 4-A | 7 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 4-A | 8 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 4-A | 9 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
| 1 | SGN | 5-A | 1 | 1 | 19,20,20 | 1.09 | 1 (5%) | 24,31,31 | 0.98 | 1 (4%) |
| 1 | IDS | 5-A | 10 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 5-A | 11 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
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| 1 | IDS | 5-A | 14 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 5-A | 15 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 5-A | 16 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 5-A | 17 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 5-A | 18 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 5-A | 19 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 5-A | 2 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | IDS | 5-A | 20 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 5-A | 21 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 5-A | 22 | 1 | 16,16,17 | 1.37 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 5-A | 23 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 5-A | 24 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 5-A | 25 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 5-A | 26 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 5-A | 27 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 5-A | 28 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 5-A | 29 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 5-A | 3 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 5-A | 30 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 1 | SGN | 5-A | 31 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 5-A | 32 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 5-A | 33 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
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| 1 | IDS | 5-A | 36 | 1 | 15,15,17 | 1.50 | 2 (13%) | 15,22,26 | 2.45 | 3 (20%) |
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| 1 | SGN | 5-A | 5 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 5-A | 6 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 5-A | 7 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 5-A | 8 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 5-A | 9 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 6-A | 1 | 1 | 19,20,20 | 1.10 | 1 (5%) | 24,31,31 | 0.98 | 1 (4%) |
| 1 | IDS | 6-A | 10 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 6-A | 11 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 6-A | 12 | 1 | 16,16,17 | 1.38 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 6-A | 13 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
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| 1 | SGN | 6-A | 19 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 6-A | 2 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | IDS | 6-A | 20 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 6-A | 21 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 6-A | 22 | 1 | 16,16,17 | 1.38 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 6-A | 23 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 6-A | 24 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 6-A | 25 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 6-A | 26 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 6-A | 27 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 6-A | 28 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 6-A | 29 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 6-A | 3 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 1 | IDS | 6-A | 30 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 6-A | 31 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 6-A | 32 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 6-A | 33 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 6-A | 34 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 6-A | 35 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 6-A | 36 | 1 | 15,15,17 | 1.52 | 3 (20%) | 15,22,26 | 2.46 | 3 (20%) |
| 1 | IDS | 6-A | 4 | 1 | 16,16,17 | 1.43 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 6-A | 5 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 6-A | 6 | 1 | 16,16,17 | 1.38 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 6-A | 7 | 1 | 18,19,20 | 1.25 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 6-A | 8 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 6-A | 9 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 7-A | 1 | 1 | 19,20,20 | 1.08 | 1 (5%) | 24,31,31 | 0.98 | 1 (4%) |
| 1 | IDS | 7-A | 10 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 7-A | 11 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 7-A | 12 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.28 | 3 (17%) |
| 1 | SGN | 7-A | 13 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
| 1 | IDS | 7-A | 14 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 7-A | 15 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 7-A | 16 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 7-A | 17 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 7-A | 18 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.24 | 3 (17%) |
| 1 | SGN | 7-A | 19 | 1 | 18,19,20 | 1.25 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
| 1 | IDS | 7-A | 2 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | IDS | 7-A | 20 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 7-A | 21 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 7-A | 22 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 7-A | 23 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 7-A | 24 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 7-A | 25 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 7-A | 26 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 7-A | 27 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 7-A | 28 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 7-A | 29 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 1 | SGN | 7-A | 3 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 7-A | 30 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 7-A | 31 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 7-A | 32 | 1 | 16,16,17 | 1.38 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 7-A | 33 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 7-A | 34 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.24 | 3 (17%) |
| 1 | SGN | 7-A | 35 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 7-A | 36 | 1 | 15,15,17 | 1.51 | 3 (20%) | 15,22,26 | 2.45 | 3 (20%) |
| 1 | IDS | 7-A | 4 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 7-A | 5 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 7-A | 6 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 7-A | 7 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 7-A | 8 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 7-A | 9 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 8-A | 1 | 1 | 19,20,20 | 1.09 | 1 (5%) | 24,31,31 | 0.97 | 1 (4%) |
| 1 | IDS | 8-A | 10 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 8-A | 11 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 8-A | 12 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 8-A | 13 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
| 1 | IDS | 8-A | 14 | 1 | 16,16,17 | 1.43 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 8-A | 15 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 8-A | 16 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 8-A | 17 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 8-A | 18 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 8-A | 19 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 8-A | 2 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | IDS | 8-A | 20 | 1 | 16,16,17 | 1.44 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 8-A | 21 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 8-A | 22 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 8-A | 23 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 8-A | 24 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 8-A | 25 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 8-A | 26 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 8-A | 27 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 8-A | 28 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 1 | SGN | 8-A | 29 | 1 | 18,19,20 | 1.20 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 8-A | 3 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 8-A | 30 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 8-A | 31 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 8-A | 32 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 8-A | 33 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
| 1 | IDS | 8-A | 34 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 8-A | 35 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |
| 1 | IDS | 8-A | 36 | 1 | 15,15,17 | 1.52 | 3 (20%) | 15,22,26 | 2.45 | 3 (20%) |
| 1 | IDS | 8-A | 4 | 1 | 16,16,17 | 1.41 | 2 (12%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 8-A | 5 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 8-A | 6 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 8-A | 7 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 8-A | 8 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 8-A | 9 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 9-A | 1 | 1 | 19,20,20 | 1.10 | 1 (5%) | 24,31,31 | 0.98 | 1 (4%) |
| 1 | IDS | 9-A | 10 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 9-A | 11 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 9-A | 12 | 1 | 16,16,17 | 1.38 | 3 (18%) | 17,24,26 | 2.28 | 3 (17%) |
| 1 | SGN | 9-A | 13 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 9-A | 14 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 9-A | 15 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 9-A | 16 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 9-A | 17 | 1 | 18,19,20 | 1.25 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 9-A | 18 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 9-A | 19 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 9-A | 2 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | IDS | 9-A | 20 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 9-A | 21 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 9-A | 22 | 1 | 16,16,17 | 1.39 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 9-A | 23 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 9-A | 24 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 9-A | 25 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 9-A | 26 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 9-A | 27 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.07 | 1 (4%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 1 | IDS | 9-A | 28 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 9-A | 29 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | SGN | 9-A | 3 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 9-A | 30 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 9-A | 31 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 9-A | 32 | 1 | 16,16,17 | 1.38 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 9-A | 33 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.09 | 1 (4%) |
| 1 | IDS | 9-A | 34 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 9-A | 35 | 1 | 18,19,20 | 1.21 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 9-A | 36 | 1 | 15,15,17 | 1.50 | 3 (20%) | 15,22,26 | 2.44 | 3 (20%) |
| 1 | IDS | 9-A | 4 | 1 | 16,16,17 | 1.42 | 3 (18%) | 17,24,26 | 2.27 | 3 (17%) |
| 1 | SGN | 9-A | 5 | 1 | 18,19,20 | 1.23 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 9-A | 6 | 1 | 16,16,17 | 1.40 | 3 (18%) | 17,24,26 | 2.26 | 3 (17%) |
| 1 | SGN | 9-A | 7 | 1 | 18,19,20 | 1.24 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |
| 1 | IDS | 9-A | 8 | 1 | 16,16,17 | 1.41 | 3 (18%) | 17,24,26 | 2.25 | 3 (17%) |
| 1 | SGN | 9-A | 9 | 1 | 18,19,20 | 1.22 | 2 (11%) | 22,29,31 | 1.08 | 1 (4%) |

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. ^{1,2} means no outliers of that kind were identified.

| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|------------|---------|
| 1 | SGN | 1-A | 1 | 1 | - | 2/11/31/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 10 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 1-A | 11 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 12 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 1-A | 13 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 14 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 1-A | 15 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 16 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 1-A | 17 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 18 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 1-A | 19 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 2 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | IDS | 1-A | 20 | 1 | - | 0/9/26/29 | 0/1/1/1 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|------------|---------|
| 1 | SGN | 1-A | 21 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 22 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 1-A | 23 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 24 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 1-A | 25 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 26 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 1-A | 27 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 28 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 1-A | 29 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | SGN | 1-A | 3 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 30 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 1-A | 31 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 32 | 1 | - | 6/9/26/29 | 0/1/1/1 |
| 1 | SGN | 1-A | 33 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 34 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 1-A | 35 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 36 | 1 | - | 3/9/22/29 | 0/1/1/1 |
| 1 | IDS | 1-A | 4 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 1-A | 5 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 6 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 1-A | 7 | 1 | - | 0/11/28/31 | 0/1/1/1 |
| 1 | IDS | 1-A | 8 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 1-A | 9 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | SGN | 10-A | 1 | 1 | - | 5/11/31/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 10 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 10-A | 11 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 12 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 10-A | 13 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 14 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 10-A | 15 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 16 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 10-A | 17 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 18 | 1 | - | 6/9/26/29 | 0/1/1/1 |
| 1 | SGN | 10-A | 19 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 2 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | IDS | 10-A | 20 | 1 | - | 0/9/26/29 | 0/1/1/1 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|------------|---------|
| 1 | SGN | 10-A | 21 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 22 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 10-A | 23 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 24 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 10-A | 25 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 26 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 10-A | 27 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 28 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 10-A | 29 | 1 | - | 2/11/28/31 | 0/1/1/1 |
| 1 | SGN | 10-A | 3 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 30 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 10-A | 31 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 32 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 10-A | 33 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 34 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 10-A | 35 | 1 | - | 2/11/28/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 36 | 1 | - | 1/9/22/29 | 0/1/1/1 |
| 1 | IDS | 10-A | 4 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 10-A | 5 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 6 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 10-A | 7 | 1 | - | 0/11/28/31 | 0/1/1/1 |
| 1 | IDS | 10-A | 8 | 1 | - | 6/9/26/29 | 0/1/1/1 |
| 1 | SGN | 10-A | 9 | 1 | - | 7/11/28/31 | 0/1/1/1 |
| 1 | SGN | 11-A | 1 | 1 | - | 5/11/31/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 10 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 11-A | 11 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 12 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 11-A | 13 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 14 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 11-A | 15 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 16 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 11-A | 17 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 18 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 11-A | 19 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 2 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | IDS | 11-A | 20 | 1 | - | 0/9/26/29 | 0/1/1/1 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|------------|---------|
| 1 | SGN | 11-A | 21 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 22 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 11-A | 23 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 24 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 11-A | 25 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 26 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 11-A | 27 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 28 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 11-A | 29 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | SGN | 11-A | 3 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 30 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 11-A | 31 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 32 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 11-A | 33 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 34 | 1 | - | 7/9/26/29 | 0/1/1/1 |
| 1 | SGN | 11-A | 35 | 1 | - | 2/11/28/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 36 | 1 | - | 1/9/22/29 | 0/1/1/1 |
| 1 | IDS | 11-A | 4 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 11-A | 5 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 6 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 11-A | 7 | 1 | - | 2/11/28/31 | 0/1/1/1 |
| 1 | IDS | 11-A | 8 | 1 | - | 7/9/26/29 | 0/1/1/1 |
| 1 | SGN | 11-A | 9 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | SGN | 12-A | 1 | 1 | - | 3/11/31/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 10 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 11 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 12 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 13 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 14 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 15 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 16 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 17 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 18 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 19 | 1 | - | 9/11/28/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 2 | 1 | - | 4/9/26/29 | 0/1/1/1 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|------------|---------|
| 1 | IDS | 12-A | 20 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 21 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 22 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 23 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 24 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 25 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 26 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 27 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 28 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 29 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | SGN | 12-A | 3 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 30 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 31 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 32 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 33 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 34 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 35 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 36 | 1 | - | 1/9/22/29 | 0/1/1/1 |
| 1 | IDS | 12-A | 4 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 5 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 6 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 7 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | IDS | 12-A | 8 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 12-A | 9 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | SGN | 13-A | 1 | 1 | - | 6/11/31/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 10 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 11 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 12 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 13 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 14 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 15 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 16 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 17 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 18 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 19 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 2 | 1 | - | 0/9/26/29 | 0/1/1/1 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|------------|---------|
| 1 | IDS | 13-A | 20 | 1 | - | 7/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 21 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 22 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 23 | 1 | - | 7/11/28/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 24 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 25 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 26 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 27 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 28 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 29 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | SGN | 13-A | 3 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 30 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 31 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 32 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 33 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 34 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 35 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 36 | 1 | - | 0/9/22/29 | 0/1/1/1 |
| 1 | IDS | 13-A | 4 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 5 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 6 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 7 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 13-A | 8 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 13-A | 9 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | SGN | 14-A | 1 | 1 | - | 3/11/31/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 10 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 11 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 12 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 13 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 14 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 15 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 16 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 17 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 18 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 19 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 2 | 1 | - | 2/9/26/29 | 0/1/1/1 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|------------|---------|
| 1 | IDS | 14-A | 20 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 21 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 22 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 23 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 24 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 25 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 26 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 27 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 28 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 29 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | SGN | 14-A | 3 | 1 | - | 2/11/28/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 30 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 31 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 32 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 33 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 34 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 35 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 36 | 1 | - | 6/9/22/29 | 0/1/1/1 |
| 1 | IDS | 14-A | 4 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 5 | 1 | - | 9/11/28/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 6 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 7 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 14-A | 8 | 1 | - | 6/9/26/29 | 0/1/1/1 |
| 1 | SGN | 14-A | 9 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | SGN | 2-A | 1 | 1 | - | 0/11/31/31 | 0/1/1/1 |
| 1 | IDS | 2-A | 10 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 11 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 2-A | 12 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 13 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 2-A | 14 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 15 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | IDS | 2-A | 16 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 17 | 1 | - | 0/11/28/31 | 0/1/1/1 |
| 1 | IDS | 2-A | 18 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 19 | 1 | - | 6/11/28/31 | 0/1/1/1 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|------------|---------|
| 1 | IDS | 2-A | 2 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | IDS | 2-A | 20 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 21 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 2-A | 22 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 23 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 2-A | 24 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 25 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 2-A | 26 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 27 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 2-A | 28 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 29 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | SGN | 2-A | 3 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 2-A | 30 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 31 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 2-A | 32 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 33 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 2-A | 34 | 1 | - | 7/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 35 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 2-A | 36 | 1 | - | 2/9/22/29 | 0/1/1/1 |
| 1 | IDS | 2-A | 4 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 5 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 2-A | 6 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 7 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 2-A | 8 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 2-A | 9 | 1 | - | 2/11/28/31 | 0/1/1/1 |
| 1 | SGN | 3-A | 1 | 1 | - | 6/11/31/31 | 0/1/1/1 |
| 1 | IDS | 3-A | 10 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 11 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 3-A | 12 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 13 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | IDS | 3-A | 14 | 1 | - | 6/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 15 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 3-A | 16 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 17 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 3-A | 18 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 19 | 1 | - | 6/11/28/31 | 0/1/1/1 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|------------|---------|
| 1 | IDS | 3-A | 2 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | IDS | 3-A | 20 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 21 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 3-A | 22 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 23 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 3-A | 24 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 25 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 3-A | 26 | 1 | - | 7/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 27 | 1 | - | 2/11/28/31 | 0/1/1/1 |
| 1 | IDS | 3-A | 28 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 29 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | SGN | 3-A | 3 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 3-A | 30 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 31 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 3-A | 32 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 33 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 3-A | 34 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 35 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 3-A | 36 | 1 | - | 0/9/22/29 | 0/1/1/1 |
| 1 | IDS | 3-A | 4 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 5 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 3-A | 6 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 7 | 1 | - | 2/11/28/31 | 0/1/1/1 |
| 1 | IDS | 3-A | 8 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 3-A | 9 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | SGN | 4-A | 1 | 1 | - | 6/11/31/31 | 0/1/1/1 |
| 1 | IDS | 4-A | 10 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 11 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 4-A | 12 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 13 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | IDS | 4-A | 14 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 15 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 4-A | 16 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 17 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 4-A | 18 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 19 | 1 | - | 8/11/28/31 | 0/1/1/1 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|-------------|---------|
| 1 | IDS | 4-A | 2 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | IDS | 4-A | 20 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 21 | 1 | - | 10/11/28/31 | 0/1/1/1 |
| 1 | IDS | 4-A | 22 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 23 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 4-A | 24 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 25 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 4-A | 26 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 27 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 4-A | 28 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 29 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | SGN | 4-A | 3 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 4-A | 30 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 31 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 4-A | 32 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 33 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 4-A | 34 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 35 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 4-A | 36 | 1 | - | 1/9/22/29 | 0/1/1/1 |
| 1 | IDS | 4-A | 4 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 5 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 4-A | 6 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 7 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 4-A | 8 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 4-A | 9 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | SGN | 5-A | 1 | 1 | - | 4/11/31/31 | 0/1/1/1 |
| 1 | IDS | 5-A | 10 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 11 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | IDS | 5-A | 12 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 13 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 5-A | 14 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 15 | 1 | - | 7/11/28/31 | 0/1/1/1 |
| 1 | IDS | 5-A | 16 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 17 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 5-A | 18 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 19 | 1 | - | 1/11/28/31 | 0/1/1/1 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|------------|---------|
| 1 | IDS | 5-A | 2 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | IDS | 5-A | 20 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 21 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 5-A | 22 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 23 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 5-A | 24 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 25 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 5-A | 26 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 27 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 5-A | 28 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 29 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | SGN | 5-A | 3 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 5-A | 30 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 31 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 5-A | 32 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 33 | 1 | - | 0/11/28/31 | 0/1/1/1 |
| 1 | IDS | 5-A | 34 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 35 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 5-A | 36 | 1 | - | 3/9/22/29 | 0/1/1/1 |
| 1 | IDS | 5-A | 4 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 5 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 5-A | 6 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 7 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 5-A | 8 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 5-A | 9 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | SGN | 6-A | 1 | 1 | - | 1/11/31/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 10 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 11 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 12 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 13 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 14 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 15 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 16 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 17 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 18 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 19 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 2 | 1 | - | 3/9/26/29 | 0/1/1/1 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|------------|---------|
| 1 | IDS | 6-A | 20 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 21 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 22 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 23 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 24 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 25 | 1 | - | 7/11/28/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 26 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 27 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 28 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 29 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | SGN | 6-A | 3 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 30 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 31 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 32 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 33 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 34 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 35 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 36 | 1 | - | 0/9/22/29 | 0/1/1/1 |
| 1 | IDS | 6-A | 4 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 5 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 6 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 7 | 1 | - | 2/11/28/31 | 0/1/1/1 |
| 1 | IDS | 6-A | 8 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 6-A | 9 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | SGN | 7-A | 1 | 1 | - | 6/11/31/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 10 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 11 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 12 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 13 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 14 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 15 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 16 | 1 | - | 7/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 17 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 18 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 19 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 2 | 1 | - | 3/9/26/29 | 0/1/1/1 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|------------|---------|
| 1 | IDS | 7-A | 20 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 21 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 22 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 23 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 24 | 1 | - | 7/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 25 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 26 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 27 | 1 | - | 0/11/28/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 28 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 29 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | SGN | 7-A | 3 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 30 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 31 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 32 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 33 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 34 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 35 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 36 | 1 | - | 0/9/22/29 | 0/1/1/1 |
| 1 | IDS | 7-A | 4 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 5 | 1 | - | 7/11/28/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 6 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 7 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 7-A | 8 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 7-A | 9 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | SGN | 8-A | 1 | 1 | - | 3/11/31/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 10 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 11 | 1 | - | 2/11/28/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 12 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 13 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 14 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 15 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 16 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 17 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 18 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 19 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 2 | 1 | - | 0/9/26/29 | 0/1/1/1 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|------------|---------|
| 1 | IDS | 8-A | 20 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 21 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 22 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 23 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 24 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 25 | 1 | - | 2/11/28/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 26 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 27 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 28 | 1 | - | 5/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 29 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | SGN | 8-A | 3 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 30 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 31 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 32 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 33 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 34 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 35 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 36 | 1 | - | 1/9/22/29 | 0/1/1/1 |
| 1 | IDS | 8-A | 4 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 5 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 6 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 7 | 1 | - | 5/11/28/31 | 0/1/1/1 |
| 1 | IDS | 8-A | 8 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 8-A | 9 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | SGN | 9-A | 1 | 1 | - | 6/11/31/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 10 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 11 | 1 | - | 4/11/28/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 12 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 13 | 1 | - | 7/11/28/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 14 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 15 | 1 | - | 0/11/28/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 16 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 17 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 18 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 19 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 2 | 1 | - | 0/9/26/29 | 0/1/1/1 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|------------|---------|
| 1 | IDS | 9-A | 20 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 21 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 22 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 23 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 24 | 1 | - | 3/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 25 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 26 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 27 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 28 | 1 | - | 0/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 29 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | SGN | 9-A | 3 | 1 | - | 8/11/28/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 30 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 31 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 32 | 1 | - | 4/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 33 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 34 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 35 | 1 | - | 6/11/28/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 36 | 1 | - | 0/9/22/29 | 0/1/1/1 |
| 1 | IDS | 9-A | 4 | 1 | - | 2/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 5 | 1 | - | 3/11/28/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 6 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 7 | 1 | - | 1/11/28/31 | 0/1/1/1 |
| 1 | IDS | 9-A | 8 | 1 | - | 1/9/26/29 | 0/1/1/1 |
| 1 | SGN | 9-A | 9 | 1 | - | 1/11/28/31 | 0/1/1/1 |

All (1236) bond length outliers are listed below:

| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 3-A | 4 | IDS | O2-C2 | -3.70 | 1.41 | 1.47 |
| 1 | 2-A | 14 | IDS | O2-C2 | -3.69 | 1.41 | 1.47 |
| 1 | 4-A | 14 | IDS | O2-C2 | -3.68 | 1.41 | 1.47 |
| 1 | 3-A | 24 | IDS | O2-C2 | -3.68 | 1.41 | 1.47 |
| 1 | 9-A | 4 | IDS | O2-C2 | -3.67 | 1.41 | 1.47 |
| 1 | 3-A | 20 | IDS | O2-C2 | -3.66 | 1.41 | 1.47 |
| 1 | 8-A | 20 | IDS | O2-C2 | -3.66 | 1.41 | 1.47 |
| 1 | 10-A | 4 | IDS | O2-C2 | -3.66 | 1.41 | 1.47 |
| 1 | 7-A | 14 | IDS | O2-C2 | -3.66 | 1.41 | 1.47 |
| 1 | 10-A | 14 | IDS | O2-C2 | -3.65 | 1.41 | 1.47 |
| 1 | 8-A | 4 | IDS | O2-C2 | -3.65 | 1.41 | 1.47 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 8-A | 14 | IDS | O2-C2 | -3.65 | 1.41 | 1.47 |
| 1 | 7-A | 4 | IDS | O2-C2 | -3.65 | 1.41 | 1.47 |
| 1 | 2-A | 4 | IDS | O2-C2 | -3.65 | 1.41 | 1.47 |
| 1 | 13-A | 24 | IDS | O2-C2 | -3.64 | 1.41 | 1.47 |
| 1 | 10-A | 34 | IDS | O2-C2 | -3.64 | 1.41 | 1.47 |
| 1 | 6-A | 4 | IDS | O2-C2 | -3.64 | 1.41 | 1.47 |
| 1 | 9-A | 14 | IDS | O2-C2 | -3.64 | 1.41 | 1.47 |
| 1 | 11-A | 4 | IDS | O2-C2 | -3.64 | 1.41 | 1.47 |
| 1 | 2-A | 20 | IDS | O2-C2 | -3.64 | 1.41 | 1.47 |
| 1 | 11-A | 30 | IDS | O2-C2 | -3.63 | 1.41 | 1.47 |
| 1 | 12-A | 4 | IDS | O2-C2 | -3.63 | 1.41 | 1.47 |
| 1 | 14-A | 30 | IDS | O2-C2 | -3.63 | 1.41 | 1.47 |
| 1 | 3-A | 34 | IDS | O2-C2 | -3.63 | 1.41 | 1.47 |
| 1 | 13-A | 20 | IDS | O2-C2 | -3.63 | 1.41 | 1.47 |
| 1 | 13-A | 4 | IDS | O2-C2 | -3.63 | 1.41 | 1.47 |
| 1 | 11-A | 18 | IDS | O2-C2 | -3.63 | 1.41 | 1.47 |
| 1 | 10-A | 20 | IDS | O2-C2 | -3.63 | 1.41 | 1.47 |
| 1 | 11-A | 20 | IDS | O2-C2 | -3.63 | 1.41 | 1.47 |
| 1 | 1-A | 20 | IDS | O2-C2 | -3.62 | 1.41 | 1.47 |
| 1 | 6-A | 20 | IDS | O2-C2 | -3.62 | 1.41 | 1.47 |
| 1 | 14-A | 20 | IDS | O2-C2 | -3.62 | 1.41 | 1.47 |
| 1 | 10-A | 18 | IDS | O2-C2 | -3.62 | 1.41 | 1.47 |
| 1 | 14-A | 10 | IDS | O2-C2 | -3.62 | 1.41 | 1.47 |
| 1 | 13-A | 34 | IDS | O2-C2 | -3.62 | 1.41 | 1.47 |
| 1 | 1-A | 30 | IDS | O2-C2 | -3.62 | 1.41 | 1.47 |
| 1 | 5-A | 20 | IDS | O2-C2 | -3.62 | 1.41 | 1.47 |
| 1 | 13-A | 14 | IDS | O2-C2 | -3.62 | 1.41 | 1.47 |
| 1 | 12-A | 24 | IDS | O2-C2 | -3.62 | 1.41 | 1.47 |
| 1 | 2-A | 36 | IDS | O2-C2 | -3.61 | 1.41 | 1.47 |
| 1 | 11-A | 24 | IDS | O2-C2 | -3.61 | 1.41 | 1.47 |
| 1 | 13-A | 30 | IDS | O2-C2 | -3.61 | 1.41 | 1.47 |
| 1 | 5-A | 4 | IDS | O2-C2 | -3.61 | 1.41 | 1.47 |
| 1 | 5-A | 14 | IDS | O2-C2 | -3.61 | 1.41 | 1.47 |
| 1 | 3-A | 14 | IDS | O2-C2 | -3.61 | 1.41 | 1.47 |
| 1 | 9-A | 24 | IDS | O2-C2 | -3.61 | 1.41 | 1.47 |
| 1 | 4-A | 24 | IDS | O2-C2 | -3.61 | 1.41 | 1.47 |
| 1 | 5-A | 24 | IDS | O2-C2 | -3.60 | 1.41 | 1.47 |
| 1 | 8-A | 6 | IDS | O2-C2 | -3.60 | 1.41 | 1.47 |
| 1 | 4-A | 18 | IDS | O2-C2 | -3.60 | 1.41 | 1.47 |
| 1 | 14-A | 14 | IDS | O2-C2 | -3.60 | 1.41 | 1.47 |
| 1 | 1-A | 14 | IDS | O2-C2 | -3.60 | 1.41 | 1.47 |
| 1 | 12-A | 22 | IDS | O2-C2 | -3.60 | 1.41 | 1.47 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 6-A | 14 | IDS | O2-C2 | -3.60 | 1.41 | 1.47 |
| 1 | 4-A | 30 | IDS | O2-C2 | -3.60 | 1.41 | 1.47 |
| 1 | 13-A | 36 | IDS | O2-C2 | -3.60 | 1.41 | 1.47 |
| 1 | 13-A | 22 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 10-A | 24 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 7-A | 34 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 3-A | 30 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 10-A | 30 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 12-A | 6 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 12-A | 14 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 8-A | 24 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 6-A | 24 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 1-A | 12 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 5-A | 18 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 8-A | 18 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 14-A | 18 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 14-A | 4 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 2-A | 30 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 1-A | 36 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 4-A | 4 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 1-A | 34 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 2-A | 10 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 3-A | 10 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 4-A | 36 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 11-A | 28 | IDS | O2-C2 | -3.59 | 1.41 | 1.47 |
| 1 | 6-A | 10 | IDS | O2-C2 | -3.58 | 1.41 | 1.47 |
| 1 | 12-A | 10 | IDS | O2-C2 | -3.58 | 1.41 | 1.47 |
| 1 | 6-A | 30 | IDS | O2-C2 | -3.58 | 1.41 | 1.47 |
| 1 | 4-A | 20 | IDS | O2-C2 | -3.58 | 1.41 | 1.47 |
| 1 | 11-A | 8 | IDS | O2-C2 | -3.58 | 1.41 | 1.47 |
| 1 | 1-A | 28 | IDS | O2-C2 | -3.58 | 1.41 | 1.47 |
| 1 | 7-A | 24 | IDS | O2-C2 | -3.58 | 1.41 | 1.47 |
| 1 | 3-A | 26 | IDS | O2-C2 | -3.58 | 1.41 | 1.47 |
| 1 | 10-A | 28 | IDS | O2-C2 | -3.58 | 1.41 | 1.47 |
| 1 | 12-A | 26 | IDS | O2-C2 | -3.58 | 1.41 | 1.47 |
| 1 | 11-A | 14 | IDS | O2-C2 | -3.58 | 1.41 | 1.47 |
| 1 | 12-A | 8 | IDS | O2-C2 | -3.58 | 1.41 | 1.47 |
| 1 | 6-A | 26 | IDS | O2-C2 | -3.58 | 1.41 | 1.47 |
| 1 | 2-A | 28 | IDS | O2-C2 | -3.58 | 1.41 | 1.47 |
| 1 | 6-A | 36 | IDS | O2-C2 | -3.58 | 1.41 | 1.47 |
| 1 | 1-A | 24 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 7-A | 26 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 12-A | 12 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 11-A | 10 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 11-A | 22 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 4-A | 34 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 3-A | 28 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 1-A | 4 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 6-A | 32 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 2-A | 34 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 8-A | 34 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 9-A | 20 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 6-A | 34 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 13-A | 10 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 12-A | 28 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 11-A | 34 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 5-A | 16 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 8-A | 10 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 5-A | 36 | IDS | O2-C2 | -3.57 | 1.41 | 1.47 |
| 1 | 14-A | 24 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 3-A | 6 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 5-A | 12 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 4-A | 10 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 12-A | 30 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 7-A | 28 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 8-A | 26 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 14-A | 26 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 9-A | 30 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 6-A | 8 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 13-A | 18 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 7-A | 30 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 4-A | 8 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 8-A | 32 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 9-A | 26 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 10-A | 32 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 13-A | 6 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 7-A | 18 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 9-A | 18 | IDS | O2-C2 | -3.56 | 1.41 | 1.47 |
| 1 | 9-A | 34 | IDS | O2-C2 | -3.55 | 1.41 | 1.47 |
| 1 | 14-A | 34 | IDS | O2-C2 | -3.55 | 1.41 | 1.47 |
| 1 | 6-A | 18 | IDS | O2-C2 | -3.55 | 1.41 | 1.47 |
| 1 | 9-A | 28 | IDS | O2-C2 | -3.55 | 1.41 | 1.47 |
| 1 | 4-A | 16 | IDS | O2-C2 | -3.55 | 1.41 | 1.47 |
| 1 | 5-A | 30 | IDS | O2-C2 | -3.55 | 1.41 | 1.47 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 2-A | 24 | IDS | O2-C2 | -3.55 | 1.41 | 1.47 |
| 1 | 4-A | 32 | IDS | O2-C2 | -3.55 | 1.41 | 1.47 |
| 1 | 7-A | 2 | IDS | O2-C2 | -3.55 | 1.41 | 1.47 |
| 1 | 7-A | 10 | IDS | O2-C2 | -3.55 | 1.41 | 1.47 |
| 1 | 5-A | 32 | IDS | O2-C2 | -3.55 | 1.41 | 1.47 |
| 1 | 12-A | 20 | IDS | O2-C2 | -3.55 | 1.41 | 1.47 |
| 1 | 11-A | 6 | IDS | O2-C2 | -3.55 | 1.41 | 1.47 |
| 1 | 9-A | 22 | IDS | O2-C2 | -3.55 | 1.41 | 1.47 |
| 1 | 10-A | 10 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 3-A | 18 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 2-A | 12 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 1-A | 18 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 7-A | 36 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 4-A | 6 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 8-A | 28 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 12-A | 16 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 13-A | 32 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 8-A | 36 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 12-A | 34 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 9-A | 16 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 2-A | 6 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 12-A | 18 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 10-A | 2 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 14-A | 16 | IDS | O2-C2 | -3.54 | 1.41 | 1.47 |
| 1 | 11-A | 2 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 8-A | 12 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 4-A | 28 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 6-A | 12 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 6-A | 28 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 13-A | 28 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 11-A | 36 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 1-A | 16 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 11-A | 26 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 10-A | 8 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 13-A | 8 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 7-A | 22 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 3-A | 36 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 9-A | 10 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 1-A | 6 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 4-A | 2 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 7-A | 8 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 9-A | 12 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 14-A | 8 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 7-A | 20 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 2-A | 32 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 7-A | 6 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 8-A | 2 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 8-A | 30 | IDS | O2-C2 | -3.53 | 1.41 | 1.47 |
| 1 | 5-A | 10 | IDS | O2-C2 | -3.52 | 1.41 | 1.47 |
| 1 | 9-A | 8 | IDS | O2-C2 | -3.52 | 1.41 | 1.47 |
| 1 | 2-A | 18 | IDS | O2-C2 | -3.52 | 1.41 | 1.47 |
| 1 | 2-A | 26 | IDS | O2-C2 | -3.52 | 1.41 | 1.47 |
| 1 | 3-A | 8 | IDS | O2-C2 | -3.52 | 1.41 | 1.47 |
| 1 | 1-A | 10 | IDS | O2-C2 | -3.52 | 1.41 | 1.47 |
| 1 | 2-A | 22 | IDS | O2-C2 | -3.52 | 1.41 | 1.47 |
| 1 | 6-A | 2 | IDS | O2-C2 | -3.52 | 1.41 | 1.47 |
| 1 | 1-A | 8 | IDS | O2-C2 | -3.52 | 1.41 | 1.47 |
| 1 | 9-A | 2 | IDS | O2-C2 | -3.52 | 1.41 | 1.47 |
| 1 | 11-A | 16 | IDS | O2-C2 | -3.52 | 1.41 | 1.47 |
| 1 | 5-A | 6 | IDS | O2-C2 | -3.51 | 1.41 | 1.47 |
| 1 | 3-A | 22 | IDS | O2-C2 | -3.51 | 1.41 | 1.47 |
| 1 | 8-A | 22 | IDS | O2-C2 | -3.51 | 1.41 | 1.47 |
| 1 | 13-A | 16 | IDS | O2-C2 | -3.51 | 1.41 | 1.47 |
| 1 | 14-A | 2 | IDS | O2-C2 | -3.51 | 1.41 | 1.47 |
| 1 | 8-A | 16 | IDS | O2-C2 | -3.51 | 1.41 | 1.47 |
| 1 | 6-A | 16 | IDS | O2-C2 | -3.51 | 1.41 | 1.47 |
| 1 | 4-A | 26 | IDS | O2-C2 | -3.51 | 1.41 | 1.47 |
| 1 | 5-A | 28 | IDS | O2-C2 | -3.51 | 1.41 | 1.47 |
| 1 | 14-A | 12 | IDS | O2-C2 | -3.51 | 1.41 | 1.47 |
| 1 | 3-A | 2 | IDS | O2-C2 | -3.51 | 1.41 | 1.47 |
| 1 | 10-A | 36 | IDS | O2-C2 | -3.50 | 1.41 | 1.47 |
| 1 | 5-A | 26 | IDS | O2-C2 | -3.50 | 1.41 | 1.47 |
| 1 | 9-A | 6 | IDS | O2-C2 | -3.50 | 1.41 | 1.47 |
| 1 | 11-A | 12 | IDS | O2-C2 | -3.50 | 1.41 | 1.47 |
| 1 | 10-A | 6 | IDS | O2-C2 | -3.50 | 1.41 | 1.47 |
| 1 | 9-A | 36 | IDS | O2-C2 | -3.50 | 1.41 | 1.47 |
| 1 | 5-A | 8 | IDS | O2-C2 | -3.50 | 1.41 | 1.47 |
| 1 | 14-A | 28 | IDS | O2-C2 | -3.50 | 1.41 | 1.47 |
| 1 | 14-A | 6 | IDS | O2-C2 | -3.50 | 1.41 | 1.47 |
| 1 | 5-A | 22 | IDS | O2-C2 | -3.50 | 1.41 | 1.47 |
| 1 | 12-A | 2 | IDS | O2-C2 | -3.50 | 1.41 | 1.47 |
| 1 | 1-A | 32 | IDS | O2-C2 | -3.50 | 1.41 | 1.47 |
| 1 | 2-A | 8 | IDS | O2-C2 | -3.49 | 1.41 | 1.47 |
| 1 | 4-A | 22 | IDS | O2-C2 | -3.49 | 1.41 | 1.47 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 7-A | 12 | IDS | O2-C2 | -3.49 | 1.41 | 1.47 |
| 1 | 9-A | 32 | IDS | O2-C2 | -3.49 | 1.41 | 1.47 |
| 1 | 10-A | 16 | IDS | O2-C2 | -3.49 | 1.41 | 1.47 |
| 1 | 14-A | 15 | SGN | S1-N2 | 3.49 | 1.64 | 1.59 |
| 1 | 1-A | 2 | IDS | O2-C2 | -3.49 | 1.41 | 1.47 |
| 1 | 8-A | 8 | IDS | O2-C2 | -3.49 | 1.41 | 1.47 |
| 1 | 4-A | 12 | IDS | O2-C2 | -3.49 | 1.41 | 1.47 |
| 1 | 1-A | 26 | IDS | O2-C2 | -3.49 | 1.41 | 1.47 |
| 1 | 14-A | 32 | IDS | O2-C2 | -3.49 | 1.41 | 1.47 |
| 1 | 12-A | 36 | IDS | O2-C2 | -3.49 | 1.41 | 1.47 |
| 1 | 6-A | 6 | IDS | O2-C2 | -3.49 | 1.41 | 1.47 |
| 1 | 14-A | 36 | IDS | O2-C2 | -3.49 | 1.41 | 1.47 |
| 1 | 12-A | 32 | IDS | O2-C2 | -3.49 | 1.41 | 1.47 |
| 1 | 6-A | 22 | IDS | O2-C2 | -3.48 | 1.41 | 1.47 |
| 1 | 5-A | 2 | IDS | O2-C2 | -3.48 | 1.41 | 1.47 |
| 1 | 5-A | 34 | IDS | O2-C2 | -3.48 | 1.41 | 1.47 |
| 1 | 3-A | 12 | IDS | O2-C2 | -3.48 | 1.41 | 1.47 |
| 1 | 1-A | 22 | IDS | O2-C2 | -3.48 | 1.41 | 1.47 |
| 1 | 10-A | 26 | IDS | O2-C2 | -3.48 | 1.41 | 1.47 |
| 1 | 3-A | 32 | IDS | O2-C2 | -3.48 | 1.41 | 1.47 |
| 1 | 10-A | 22 | IDS | O2-C2 | -3.48 | 1.41 | 1.47 |
| 1 | 12-A | 15 | SGN | S1-N2 | 3.47 | 1.64 | 1.59 |
| 1 | 3-A | 16 | IDS | O2-C2 | -3.47 | 1.41 | 1.47 |
| 1 | 13-A | 2 | IDS | O2-C2 | -3.47 | 1.41 | 1.47 |
| 1 | 10-A | 12 | IDS | O2-C2 | -3.47 | 1.41 | 1.47 |
| 1 | 13-A | 12 | IDS | O2-C2 | -3.47 | 1.41 | 1.47 |
| 1 | 7-A | 32 | IDS | O2-C2 | -3.47 | 1.41 | 1.47 |
| 1 | 2-A | 16 | IDS | O2-C2 | -3.47 | 1.41 | 1.47 |
| 1 | 14-A | 22 | IDS | O2-C2 | -3.47 | 1.41 | 1.47 |
| 1 | 7-A | 16 | IDS | O2-C2 | -3.46 | 1.42 | 1.47 |
| 1 | 11-A | 17 | SGN | S1-N2 | 3.46 | 1.64 | 1.59 |
| 1 | 13-A | 26 | IDS | O2-C2 | -3.46 | 1.42 | 1.47 |
| 1 | 11-A | 32 | IDS | O2-C2 | -3.46 | 1.42 | 1.47 |
| 1 | 2-A | 2 | IDS | O2-C2 | -3.45 | 1.42 | 1.47 |
| 1 | 8-A | 11 | SGN | S1-N2 | 3.45 | 1.64 | 1.59 |
| 1 | 5-A | 11 | SGN | S1-N2 | 3.44 | 1.64 | 1.59 |
| 1 | 4-A | 17 | SGN | S1-N2 | 3.44 | 1.64 | 1.59 |
| 1 | 10-A | 27 | SGN | S1-N2 | 3.44 | 1.64 | 1.59 |
| 1 | 11-A | 25 | SGN | S1-N2 | 3.44 | 1.64 | 1.59 |
| 1 | 10-A | 5 | SGN | S1-N2 | 3.43 | 1.64 | 1.59 |
| 1 | 5-A | 25 | SGN | S1-N2 | 3.43 | 1.64 | 1.59 |
| 1 | 5-A | 17 | SGN | S1-N2 | 3.43 | 1.64 | 1.59 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|------|-------------|----------|
| 1 | 3-A | 27 | SGN | S1-N2 | 3.43 | 1.64 | 1.59 |
| 1 | 8-A | 27 | SGN | S1-N2 | 3.43 | 1.64 | 1.59 |
| 1 | 3-A | 5 | SGN | S1-N2 | 3.43 | 1.64 | 1.59 |
| 1 | 6-A | 15 | SGN | S1-N2 | 3.43 | 1.64 | 1.59 |
| 1 | 1-A | 15 | SGN | S1-N2 | 3.42 | 1.64 | 1.59 |
| 1 | 4-A | 27 | SGN | S1-N2 | 3.42 | 1.64 | 1.59 |
| 1 | 9-A | 17 | SGN | S1-N2 | 3.42 | 1.64 | 1.59 |
| 1 | 1-A | 17 | SGN | S1-N2 | 3.42 | 1.64 | 1.59 |
| 1 | 7-A | 27 | SGN | S1-N2 | 3.42 | 1.64 | 1.59 |
| 1 | 11-A | 27 | SGN | S1-N2 | 3.42 | 1.64 | 1.59 |
| 1 | 2-A | 17 | SGN | S1-N2 | 3.42 | 1.64 | 1.59 |
| 1 | 11-A | 23 | SGN | S1-N2 | 3.42 | 1.64 | 1.59 |
| 1 | 6-A | 25 | SGN | S1-N2 | 3.41 | 1.64 | 1.59 |
| 1 | 6-A | 27 | SGN | S1-N2 | 3.41 | 1.64 | 1.59 |
| 1 | 9-A | 25 | SGN | S1-N2 | 3.41 | 1.64 | 1.59 |
| 1 | 9-A | 27 | SGN | S1-N2 | 3.41 | 1.64 | 1.59 |
| 1 | 9-A | 5 | SGN | S1-N2 | 3.41 | 1.64 | 1.59 |
| 1 | 10-A | 7 | SGN | S1-N2 | 3.41 | 1.64 | 1.59 |
| 1 | 14-A | 25 | SGN | S1-N2 | 3.41 | 1.64 | 1.59 |
| 1 | 7-A | 31 | SGN | S1-N2 | 3.41 | 1.64 | 1.59 |
| 1 | 11-A | 15 | SGN | S1-N2 | 3.41 | 1.64 | 1.59 |
| 1 | 14-A | 17 | SGN | S1-N2 | 3.41 | 1.64 | 1.59 |
| 1 | 10-A | 17 | SGN | S1-N2 | 3.40 | 1.64 | 1.59 |
| 1 | 9-A | 11 | SGN | S1-N2 | 3.40 | 1.64 | 1.59 |
| 1 | 9-A | 15 | SGN | S1-N2 | 3.40 | 1.64 | 1.59 |
| 1 | 6-A | 35 | SGN | S1-N2 | 3.40 | 1.64 | 1.59 |
| 1 | 13-A | 35 | SGN | S1-N2 | 3.40 | 1.64 | 1.59 |
| 1 | 2-A | 25 | SGN | S1-N2 | 3.39 | 1.64 | 1.59 |
| 1 | 8-A | 15 | SGN | S1-N2 | 3.39 | 1.64 | 1.59 |
| 1 | 13-A | 17 | SGN | S1-N2 | 3.39 | 1.64 | 1.59 |
| 1 | 9-A | 31 | SGN | S1-N2 | 3.39 | 1.64 | 1.59 |
| 1 | 11-A | 13 | SGN | S1-N2 | 3.39 | 1.64 | 1.59 |
| 1 | 12-A | 17 | SGN | S1-N2 | 3.39 | 1.64 | 1.59 |
| 1 | 10-A | 15 | SGN | S1-N2 | 3.39 | 1.64 | 1.59 |
| 1 | 12-A | 27 | SGN | S1-N2 | 3.39 | 1.64 | 1.59 |
| 1 | 14-A | 27 | SGN | S1-N2 | 3.38 | 1.64 | 1.59 |
| 1 | 13-A | 27 | SGN | S1-N2 | 3.38 | 1.64 | 1.59 |
| 1 | 5-A | 31 | SGN | S1-N2 | 3.38 | 1.64 | 1.59 |
| 1 | 1-A | 35 | SGN | S1-N2 | 3.38 | 1.64 | 1.59 |
| 1 | 7-A | 5 | SGN | S1-N2 | 3.38 | 1.64 | 1.59 |
| 1 | 5-A | 15 | SGN | S1-N2 | 3.38 | 1.64 | 1.59 |
| 1 | 7-A | 15 | SGN | S1-N2 | 3.38 | 1.64 | 1.59 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|------|-------------|----------|
| 1 | 12-A | 35 | SGN | S1-N2 | 3.38 | 1.64 | 1.59 |
| 1 | 2-A | 11 | SGN | S1-N2 | 3.38 | 1.64 | 1.59 |
| 1 | 4-A | 11 | SGN | S1-N2 | 3.38 | 1.64 | 1.59 |
| 1 | 2-A | 35 | SGN | S1-N2 | 3.38 | 1.64 | 1.59 |
| 1 | 4-A | 35 | SGN | S1-N2 | 3.37 | 1.64 | 1.59 |
| 1 | 6-A | 31 | SGN | S1-N2 | 3.37 | 1.64 | 1.59 |
| 1 | 6-A | 5 | SGN | S1-N2 | 3.37 | 1.64 | 1.59 |
| 1 | 1-A | 27 | SGN | S1-N2 | 3.37 | 1.64 | 1.59 |
| 1 | 2-A | 27 | SGN | S1-N2 | 3.37 | 1.64 | 1.59 |
| 1 | 5-A | 35 | SGN | S1-N2 | 3.37 | 1.64 | 1.59 |
| 1 | 3-A | 35 | SGN | S1-N2 | 3.37 | 1.64 | 1.59 |
| 1 | 14-A | 7 | SGN | S1-N2 | 3.37 | 1.64 | 1.59 |
| 1 | 3-A | 15 | SGN | S1-N2 | 3.37 | 1.64 | 1.59 |
| 1 | 3-A | 17 | SGN | S1-N2 | 3.37 | 1.64 | 1.59 |
| 1 | 7-A | 17 | SGN | S1-N2 | 3.36 | 1.64 | 1.59 |
| 1 | 13-A | 5 | SGN | S1-N2 | 3.36 | 1.64 | 1.59 |
| 1 | 14-A | 5 | SGN | S1-N2 | 3.36 | 1.64 | 1.59 |
| 1 | 4-A | 25 | SGN | S1-N2 | 3.36 | 1.64 | 1.59 |
| 1 | 13-A | 1 | SGN | S1-N2 | 3.36 | 1.64 | 1.59 |
| 1 | 5-A | 5 | SGN | S1-N2 | 3.36 | 1.64 | 1.59 |
| 1 | 2-A | 23 | SGN | S1-N2 | 3.36 | 1.64 | 1.59 |
| 1 | 8-A | 25 | SGN | S1-N2 | 3.36 | 1.64 | 1.59 |
| 1 | 2-A | 15 | SGN | S1-N2 | 3.36 | 1.64 | 1.59 |
| 1 | 11-A | 35 | SGN | S1-N2 | 3.36 | 1.64 | 1.59 |
| 1 | 1-A | 5 | SGN | S1-N2 | 3.36 | 1.64 | 1.59 |
| 1 | 14-A | 35 | SGN | S1-N2 | 3.36 | 1.64 | 1.59 |
| 1 | 12-A | 11 | SGN | S1-N2 | 3.36 | 1.64 | 1.59 |
| 1 | 13-A | 15 | SGN | S1-N2 | 3.36 | 1.64 | 1.59 |
| 1 | 6-A | 17 | SGN | S1-N2 | 3.36 | 1.64 | 1.59 |
| 1 | 5-A | 27 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |
| 1 | 7-A | 11 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |
| 1 | 13-A | 25 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |
| 1 | 9-A | 19 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |
| 1 | 1-A | 25 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |
| 1 | 8-A | 5 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |
| 1 | 10-A | 25 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |
| 1 | 1-A | 13 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |
| 1 | 4-A | 15 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |
| 1 | 13-A | 11 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |
| 1 | 5-A | 13 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |
| 1 | 1-A | 19 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |
| 1 | 12-A | 23 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|------|-------------|----------|
| 1 | 9-A | 21 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |
| 1 | 11-A | 31 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |
| 1 | 14-A | 11 | SGN | S1-N2 | 3.35 | 1.64 | 1.59 |
| 1 | 3-A | 11 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 14-A | 3 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 2-A | 3 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 7-A | 19 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 8-A | 21 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 13-A | 7 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 7-A | 25 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 11-A | 11 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 14-A | 33 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 6-A | 7 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 3-A | 13 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 7-A | 23 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 1-A | 31 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 1-A | 7 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 5-A | 33 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 13-A | 33 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 9-A | 35 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 4-A | 23 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 8-A | 35 | SGN | S1-N2 | 3.34 | 1.64 | 1.59 |
| 1 | 1-A | 11 | SGN | S1-N2 | 3.33 | 1.64 | 1.59 |
| 1 | 12-A | 13 | SGN | S1-N2 | 3.33 | 1.64 | 1.59 |
| 1 | 5-A | 1 | SGN | S1-N2 | 3.33 | 1.64 | 1.59 |
| 1 | 8-A | 17 | SGN | S1-N2 | 3.33 | 1.64 | 1.59 |
| 1 | 3-A | 25 | SGN | S1-N2 | 3.33 | 1.64 | 1.59 |
| 1 | 7-A | 33 | SGN | S1-N2 | 3.33 | 1.64 | 1.59 |
| 1 | 10-A | 35 | SGN | S1-N2 | 3.33 | 1.64 | 1.59 |
| 1 | 11-A | 3 | SGN | S1-N2 | 3.33 | 1.64 | 1.59 |
| 1 | 13-A | 19 | SGN | S1-N2 | 3.33 | 1.64 | 1.59 |
| 1 | 5-A | 23 | SGN | S1-N2 | 3.33 | 1.64 | 1.59 |
| 1 | 13-A | 3 | SGN | S1-N2 | 3.33 | 1.64 | 1.59 |
| 1 | 2-A | 5 | SGN | S1-N2 | 3.33 | 1.64 | 1.59 |
| 1 | 9-A | 23 | SGN | S1-N2 | 3.33 | 1.64 | 1.59 |
| 1 | 6-A | 11 | SGN | S1-N2 | 3.32 | 1.64 | 1.59 |
| 1 | 10-A | 13 | SGN | S1-N2 | 3.32 | 1.64 | 1.59 |
| 1 | 4-A | 31 | SGN | S1-N2 | 3.32 | 1.64 | 1.59 |
| 1 | 4-A | 5 | SGN | S1-N2 | 3.32 | 1.64 | 1.59 |
| 1 | 13-A | 21 | SGN | S1-N2 | 3.32 | 1.64 | 1.59 |
| 1 | 14-A | 13 | SGN | S1-N2 | 3.32 | 1.64 | 1.59 |
| 1 | 1-A | 21 | SGN | S1-N2 | 3.32 | 1.64 | 1.59 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|------|-------------|----------|
| 1 | 8-A | 31 | SGN | S1-N2 | 3.32 | 1.64 | 1.59 |
| 1 | 14-A | 31 | SGN | S1-N2 | 3.32 | 1.64 | 1.59 |
| 1 | 2-A | 19 | SGN | S1-N2 | 3.31 | 1.64 | 1.59 |
| 1 | 11-A | 5 | SGN | S1-N2 | 3.31 | 1.64 | 1.59 |
| 1 | 2-A | 7 | SGN | S1-N2 | 3.31 | 1.64 | 1.59 |
| 1 | 11-A | 21 | SGN | S1-N2 | 3.31 | 1.64 | 1.59 |
| 1 | 12-A | 31 | SGN | S1-N2 | 3.31 | 1.64 | 1.59 |
| 1 | 3-A | 19 | SGN | S1-N2 | 3.31 | 1.64 | 1.59 |
| 1 | 10-A | 31 | SGN | S1-N2 | 3.31 | 1.64 | 1.59 |
| 1 | 8-A | 19 | SGN | S1-N2 | 3.31 | 1.64 | 1.59 |
| 1 | 10-A | 21 | SGN | S1-N2 | 3.31 | 1.64 | 1.59 |
| 1 | 9-A | 3 | SGN | S1-N2 | 3.31 | 1.64 | 1.59 |
| 1 | 4-A | 7 | SGN | S1-N2 | 3.31 | 1.64 | 1.59 |
| 1 | 10-A | 11 | SGN | S1-N2 | 3.31 | 1.64 | 1.59 |
| 1 | 8-A | 7 | SGN | S1-N2 | 3.30 | 1.64 | 1.59 |
| 1 | 12-A | 29 | SGN | S1-N2 | 3.30 | 1.64 | 1.59 |
| 1 | 14-A | 21 | SGN | S1-N2 | 3.30 | 1.64 | 1.59 |
| 1 | 7-A | 7 | SGN | S1-N2 | 3.30 | 1.64 | 1.59 |
| 1 | 12-A | 5 | SGN | S1-N2 | 3.30 | 1.64 | 1.59 |
| 1 | 7-A | 35 | SGN | S1-N2 | 3.30 | 1.64 | 1.59 |
| 1 | 5-A | 3 | SGN | S1-N2 | 3.30 | 1.64 | 1.59 |
| 1 | 7-A | 13 | SGN | S1-N2 | 3.30 | 1.64 | 1.59 |
| 1 | 6-A | 1 | SGN | S1-N2 | 3.30 | 1.64 | 1.59 |
| 1 | 5-A | 19 | SGN | S1-N2 | 3.30 | 1.64 | 1.59 |
| 1 | 3-A | 33 | SGN | S1-N2 | 3.30 | 1.64 | 1.59 |
| 1 | 6-A | 33 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 5-A | 7 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 3-A | 23 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 3-A | 21 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 3-A | 7 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 12-A | 25 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 10-A | 3 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 7-A | 29 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 4-A | 3 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 12-A | 19 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 12-A | 21 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 3-A | 31 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 8-A | 33 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 1-A | 23 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 8-A | 13 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 12-A | 3 | SGN | S1-N2 | 3.29 | 1.64 | 1.59 |
| 1 | 7-A | 3 | SGN | S1-N2 | 3.28 | 1.64 | 1.59 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|------|-------------|----------|
| 1 | 4-A | 19 | SGN | S1-N2 | 3.28 | 1.64 | 1.59 |
| 1 | 4-A | 21 | SGN | S1-N2 | 3.28 | 1.64 | 1.59 |
| 1 | 10-A | 1 | SGN | S1-N2 | 3.28 | 1.64 | 1.59 |
| 1 | 13-A | 31 | SGN | S1-N2 | 3.28 | 1.64 | 1.59 |
| 1 | 6-A | 13 | SGN | S1-N2 | 3.28 | 1.64 | 1.59 |
| 1 | 9-A | 7 | SGN | S1-N2 | 3.28 | 1.64 | 1.59 |
| 1 | 10-A | 23 | SGN | S1-N2 | 3.28 | 1.64 | 1.59 |
| 1 | 1-A | 1 | SGN | S1-N2 | 3.28 | 1.64 | 1.59 |
| 1 | 8-A | 23 | SGN | S1-N2 | 3.28 | 1.64 | 1.59 |
| 1 | 9-A | 1 | SGN | S1-N2 | 3.28 | 1.64 | 1.59 |
| 1 | 4-A | 13 | SGN | S1-N2 | 3.27 | 1.64 | 1.59 |
| 1 | 6-A | 3 | SGN | S1-N2 | 3.27 | 1.64 | 1.59 |
| 1 | 2-A | 21 | SGN | S1-N2 | 3.27 | 1.64 | 1.59 |
| 1 | 6-A | 21 | SGN | S1-N2 | 3.27 | 1.64 | 1.59 |
| 1 | 2-A | 31 | SGN | S1-N2 | 3.27 | 1.64 | 1.59 |
| 1 | 2-A | 13 | SGN | S1-N2 | 3.27 | 1.64 | 1.59 |
| 1 | 9-A | 13 | SGN | S1-N2 | 3.27 | 1.64 | 1.59 |
| 1 | 14-A | 1 | SGN | S1-N2 | 3.27 | 1.64 | 1.59 |
| 1 | 8-A | 1 | SGN | S1-N2 | 3.27 | 1.64 | 1.59 |
| 1 | 7-A | 9 | SGN | S1-N2 | 3.27 | 1.64 | 1.59 |
| 1 | 1-A | 29 | SGN | S1-N2 | 3.26 | 1.64 | 1.59 |
| 1 | 9-A | 33 | SGN | S1-N2 | 3.26 | 1.64 | 1.59 |
| 1 | 13-A | 23 | SGN | S1-N2 | 3.26 | 1.64 | 1.59 |
| 1 | 11-A | 33 | SGN | S1-N2 | 3.26 | 1.64 | 1.59 |
| 1 | 2-A | 33 | SGN | S1-N2 | 3.26 | 1.63 | 1.59 |
| 1 | 1-A | 3 | SGN | S1-N2 | 3.25 | 1.63 | 1.59 |
| 1 | 10-A | 33 | SGN | S1-N2 | 3.25 | 1.63 | 1.59 |
| 1 | 9-A | 29 | SGN | S1-N2 | 3.25 | 1.63 | 1.59 |
| 1 | 12-A | 7 | SGN | S1-N2 | 3.25 | 1.63 | 1.59 |
| 1 | 6-A | 19 | SGN | S1-N2 | 3.25 | 1.63 | 1.59 |
| 1 | 13-A | 13 | SGN | S1-N2 | 3.25 | 1.63 | 1.59 |
| 1 | 14-A | 19 | SGN | S1-N2 | 3.25 | 1.63 | 1.59 |
| 1 | 12-A | 1 | SGN | S1-N2 | 3.25 | 1.63 | 1.59 |
| 1 | 11-A | 9 | SGN | S1-N2 | 3.25 | 1.63 | 1.59 |
| 1 | 5-A | 21 | SGN | S1-N2 | 3.25 | 1.63 | 1.59 |
| 1 | 12-A | 33 | SGN | S1-N2 | 3.25 | 1.63 | 1.59 |
| 1 | 11-A | 29 | SGN | S1-N2 | 3.25 | 1.63 | 1.59 |
| 1 | 7-A | 21 | SGN | S1-N2 | 3.24 | 1.63 | 1.59 |
| 1 | 1-A | 33 | SGN | S1-N2 | 3.24 | 1.63 | 1.59 |
| 1 | 5-A | 29 | SGN | S1-N2 | 3.24 | 1.63 | 1.59 |
| 1 | 2-A | 29 | SGN | S1-N2 | 3.24 | 1.63 | 1.59 |
| 1 | 3-A | 29 | SGN | S1-N2 | 3.24 | 1.63 | 1.59 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|--------|-------|-------------|----------|
| 1 | 2-A | 1 | SGN | S1-N2 | 3.24 | 1.63 | 1.59 |
| 1 | 11-A | 1 | SGN | S1-N2 | 3.24 | 1.63 | 1.59 |
| 1 | 3-A | 3 | SGN | S1-N2 | 3.24 | 1.63 | 1.59 |
| 1 | 11-A | 7 | SGN | S1-N2 | 3.24 | 1.63 | 1.59 |
| 1 | 4-A | 29 | SGN | S1-N2 | 3.24 | 1.63 | 1.59 |
| 1 | 5-A | 9 | SGN | S1-N2 | 3.24 | 1.63 | 1.59 |
| 1 | 13-A | 29 | SGN | S1-N2 | 3.24 | 1.63 | 1.59 |
| 1 | 14-A | 29 | SGN | S1-N2 | 3.23 | 1.63 | 1.59 |
| 1 | 4-A | 33 | SGN | S1-N2 | 3.23 | 1.63 | 1.59 |
| 1 | 14-A | 23 | SGN | S1-N2 | 3.23 | 1.63 | 1.59 |
| 1 | 6-A | 9 | SGN | S1-N2 | 3.23 | 1.63 | 1.59 |
| 1 | 6-A | 23 | SGN | S1-N2 | 3.23 | 1.63 | 1.59 |
| 1 | 4-A | 9 | SGN | S1-N2 | 3.23 | 1.63 | 1.59 |
| 1 | 10-A | 9 | SGN | S1-N2 | 3.23 | 1.63 | 1.59 |
| 1 | 11-A | 19 | SGN | S1-N2 | 3.23 | 1.63 | 1.59 |
| 1 | 7-A | 1 | SGN | S1-N2 | 3.22 | 1.63 | 1.59 |
| 1 | 3-A | 1 | SGN | S1-N2 | 3.22 | 1.63 | 1.59 |
| 1 | 13-A | 9 | SGN | S1-N2 | 3.22 | 1.63 | 1.59 |
| 1 | 8-A | 3 | SGN | S1-N2 | 3.21 | 1.63 | 1.59 |
| 1 | 2-A | 9 | SGN | S1-N2 | 3.21 | 1.63 | 1.59 |
| 1 | 3-A | 9 | SGN | S1-N2 | 3.21 | 1.63 | 1.59 |
| 1 | 4-A | 1 | SGN | S1-N2 | 3.20 | 1.63 | 1.59 |
| 1 | 10-A | 19 | SGN | S1-N2 | 3.18 | 1.63 | 1.59 |
| 1 | 1-A | 9 | SGN | S1-N2 | 3.18 | 1.63 | 1.59 |
| 1 | 12-A | 9 | SGN | S1-N2 | 3.18 | 1.63 | 1.59 |
| 1 | 9-A | 9 | SGN | S1-N2 | 3.18 | 1.63 | 1.59 |
| 1 | 8-A | 29 | SGN | S1-N2 | 3.18 | 1.63 | 1.59 |
| 1 | 14-A | 9 | SGN | S1-N2 | 3.16 | 1.63 | 1.59 |
| 1 | 10-A | 29 | SGN | S1-N2 | 3.16 | 1.63 | 1.59 |
| 1 | 8-A | 9 | SGN | S1-N2 | 3.15 | 1.63 | 1.59 |
| 1 | 6-A | 29 | SGN | S1-N2 | 3.14 | 1.63 | 1.59 |
| 1 | 7-A | 8 | IDS | O6B-C6 | -2.88 | 1.21 | 1.30 |
| 1 | 9-A | 8 | IDS | O6B-C6 | -2.87 | 1.21 | 1.30 |
| 1 | 11-A | 8 | IDS | O6B-C6 | -2.86 | 1.21 | 1.30 |
| 1 | 10-A | 8 | IDS | O6B-C6 | -2.85 | 1.21 | 1.30 |
| 1 | 4-A | 8 | IDS | O6B-C6 | -2.84 | 1.21 | 1.30 |
| 1 | 8-A | 8 | IDS | O6B-C6 | -2.84 | 1.21 | 1.30 |
| 1 | 1-A | 8 | IDS | O6B-C6 | -2.84 | 1.21 | 1.30 |
| 1 | 14-A | 8 | IDS | O6B-C6 | -2.84 | 1.21 | 1.30 |
| 1 | 8-A | 28 | IDS | O6B-C6 | -2.83 | 1.21 | 1.30 |
| 1 | 12-A | 8 | IDS | O6B-C6 | -2.83 | 1.21 | 1.30 |
| 1 | 4-A | 28 | IDS | O6B-C6 | -2.83 | 1.21 | 1.30 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|--------|-------|-------------|----------|
| 1 | 3-A | 8 | IDS | O6B-C6 | -2.82 | 1.21 | 1.30 |
| 1 | 6-A | 8 | IDS | O6B-C6 | -2.82 | 1.21 | 1.30 |
| 1 | 3-A | 28 | IDS | O6B-C6 | -2.82 | 1.21 | 1.30 |
| 1 | 5-A | 28 | IDS | O6B-C6 | -2.82 | 1.21 | 1.30 |
| 1 | 2-A | 8 | IDS | O6B-C6 | -2.82 | 1.21 | 1.30 |
| 1 | 11-A | 28 | IDS | O6B-C6 | -2.82 | 1.21 | 1.30 |
| 1 | 13-A | 30 | IDS | O6B-C6 | -2.82 | 1.21 | 1.30 |
| 1 | 10-A | 26 | IDS | O6B-C6 | -2.82 | 1.21 | 1.30 |
| 1 | 9-A | 30 | IDS | O6B-C6 | -2.82 | 1.21 | 1.30 |
| 1 | 5-A | 8 | IDS | O6B-C6 | -2.82 | 1.21 | 1.30 |
| 1 | 10-A | 30 | IDS | O6B-C6 | -2.82 | 1.21 | 1.30 |
| 1 | 6-A | 18 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 6-A | 4 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 11-A | 30 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 9-A | 14 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 8-A | 18 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 12-A | 30 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 10-A | 34 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 4-A | 18 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 5-A | 18 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 2-A | 26 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 13-A | 6 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 13-A | 8 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 2-A | 30 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 1-A | 24 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 4-A | 30 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 11-A | 14 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 5-A | 30 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 4-A | 4 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 12-A | 4 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 1-A | 28 | IDS | O6B-C6 | -2.81 | 1.21 | 1.30 |
| 1 | 13-A | 28 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 14-A | 14 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 10-A | 24 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 1-A | 26 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 7-A | 34 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 7-A | 10 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 9-A | 34 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 14-A | 30 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 6-A | 34 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 1-A | 14 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 7-A | 28 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|--------|-------|-------------|----------|
| 1 | 12-A | 10 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 3-A | 24 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 10-A | 18 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 5-A | 6 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 11-A | 10 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 14-A | 28 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 11-A | 6 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 11-A | 26 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 6-A | 10 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 14-A | 22 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 10-A | 28 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 1-A | 30 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 8-A | 10 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 4-A | 10 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 11-A | 18 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 7-A | 16 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 1-A | 18 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 2-A | 28 | IDS | O6B-C6 | -2.80 | 1.21 | 1.30 |
| 1 | 11-A | 22 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 7-A | 24 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 5-A | 16 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 9-A | 18 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 9-A | 24 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 11-A | 34 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 6-A | 16 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 12-A | 14 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 5-A | 24 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 8-A | 36 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 5-A | 10 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 2-A | 18 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 7-A | 32 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 14-A | 4 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 12-A | 26 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 5-A | 36 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 13-A | 4 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 1-A | 6 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 14-A | 18 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 1-A | 34 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 4-A | 26 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 9-A | 2 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 12-A | 6 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 7-A | 4 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|--------|-------|-------------|----------|
| 1 | 5-A | 26 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 11-A | 36 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 10-A | 4 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 1-A | 20 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 6-A | 28 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 7-A | 30 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 13-A | 34 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 2-A | 6 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 4-A | 36 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 13-A | 2 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 4-A | 12 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 13-A | 12 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 13-A | 20 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 1-A | 36 | IDS | O6B-C6 | -2.79 | 1.21 | 1.30 |
| 1 | 12-A | 16 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 4-A | 22 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 5-A | 12 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 2-A | 34 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 11-A | 24 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 13-A | 26 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 3-A | 34 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 6-A | 14 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 1-A | 4 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 2-A | 14 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 1-A | 10 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 2-A | 2 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 7-A | 18 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 8-A | 24 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 13-A | 16 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 8-A | 34 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 2-A | 36 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 12-A | 28 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 5-A | 34 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 3-A | 4 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 6-A | 26 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 8-A | 2 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 11-A | 16 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 13-A | 18 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 10-A | 20 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 4-A | 24 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 4-A | 34 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 5-A | 14 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|--------|-------|-------------|----------|
| 1 | 9-A | 28 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 8-A | 30 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 4-A | 6 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 2-A | 24 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 10-A | 10 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 8-A | 6 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 14-A | 26 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 5-A | 4 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 10-A | 14 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 2-A | 4 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 3-A | 22 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 3-A | 2 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 2-A | 32 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 11-A | 4 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 2-A | 10 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 4-A | 14 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 9-A | 32 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 14-A | 34 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 4-A | 16 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 8-A | 4 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 14-A | 10 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 1-A | 22 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 12-A | 18 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 5-A | 20 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 9-A | 22 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 12-A | 36 | IDS | O6B-C6 | -2.78 | 1.21 | 1.30 |
| 1 | 13-A | 14 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 3-A | 20 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 6-A | 2 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 6-A | 24 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 3-A | 10 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 13-A | 32 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 13-A | 22 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 7-A | 20 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 9-A | 10 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 12-A | 24 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 3-A | 12 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 14-A | 36 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 8-A | 16 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 6-A | 20 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 13-A | 10 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 7-A | 36 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|--------|-------|-------------|----------|
| 1 | 1-A | 16 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 9-A | 16 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 6-A | 12 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 7-A | 22 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 8-A | 22 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 10-A | 2 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 14-A | 2 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 3-A | 6 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 9-A | 4 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 3-A | 32 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 11-A | 12 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 12-A | 22 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 11-A | 2 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 3-A | 18 | IDS | O6B-C6 | -2.77 | 1.21 | 1.30 |
| 1 | 5-A | 2 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 7-A | 2 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 6-A | 6 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 8-A | 14 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 6-A | 30 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 5-A | 32 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 7-A | 26 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 8-A | 20 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 3-A | 30 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 9-A | 36 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 13-A | 36 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 3-A | 14 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 14-A | 24 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 9-A | 12 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 7-A | 14 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 12-A | 20 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 11-A | 32 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 13-A | 24 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 10-A | 22 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 3-A | 26 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 6-A | 32 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 9-A | 20 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 8-A | 12 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 8-A | 26 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 9-A | 26 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 10-A | 36 | IDS | O6B-C6 | -2.76 | 1.21 | 1.30 |
| 1 | 2-A | 16 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 14-A | 32 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|--------|-------|-------------|----------|
| 1 | 14-A | 16 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 5-A | 22 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 2-A | 12 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 10-A | 12 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 2-A | 22 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 6-A | 36 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 4-A | 2 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 14-A | 12 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 3-A | 36 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 4-A | 32 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 6-A | 22 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 8-A | 32 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 10-A | 16 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 7-A | 12 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 11-A | 20 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 9-A | 6 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 12-A | 34 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 3-A | 16 | IDS | O6B-C6 | -2.75 | 1.21 | 1.30 |
| 1 | 10-A | 32 | IDS | O6B-C6 | -2.74 | 1.21 | 1.30 |
| 1 | 10-A | 6 | IDS | O6B-C6 | -2.74 | 1.21 | 1.30 |
| 1 | 12-A | 12 | IDS | O6B-C6 | -2.74 | 1.21 | 1.30 |
| 1 | 2-A | 20 | IDS | O6B-C6 | -2.74 | 1.21 | 1.30 |
| 1 | 12-A | 32 | IDS | O6B-C6 | -2.74 | 1.21 | 1.30 |
| 1 | 1-A | 2 | IDS | O6B-C6 | -2.74 | 1.21 | 1.30 |
| 1 | 7-A | 6 | IDS | O6B-C6 | -2.74 | 1.21 | 1.30 |
| 1 | 14-A | 6 | IDS | O6B-C6 | -2.73 | 1.21 | 1.30 |
| 1 | 12-A | 2 | IDS | O6B-C6 | -2.73 | 1.21 | 1.30 |
| 1 | 1-A | 32 | IDS | O6B-C6 | -2.73 | 1.21 | 1.30 |
| 1 | 14-A | 20 | IDS | O6B-C6 | -2.73 | 1.21 | 1.30 |
| 1 | 4-A | 20 | IDS | O6B-C6 | -2.73 | 1.21 | 1.30 |
| 1 | 1-A | 12 | IDS | O6B-C6 | -2.72 | 1.21 | 1.30 |
| 1 | 1-A | 25 | SGN | O5-C1 | -2.33 | 1.40 | 1.43 |
| 1 | 13-A | 19 | SGN | O5-C1 | -2.33 | 1.40 | 1.43 |
| 1 | 2-A | 29 | SGN | O5-C1 | -2.33 | 1.40 | 1.43 |
| 1 | 7-A | 25 | SGN | O5-C1 | -2.32 | 1.40 | 1.43 |
| 1 | 6-A | 17 | SGN | O5-C1 | -2.32 | 1.40 | 1.43 |
| 1 | 1-A | 17 | SGN | O5-C1 | -2.32 | 1.40 | 1.43 |
| 1 | 10-A | 7 | SGN | O5-C1 | -2.31 | 1.40 | 1.43 |
| 1 | 6-A | 7 | SGN | O5-C1 | -2.31 | 1.40 | 1.43 |
| 1 | 11-A | 17 | SGN | O5-C1 | -2.30 | 1.40 | 1.43 |
| 1 | 1-A | 29 | SGN | O5-C1 | -2.30 | 1.40 | 1.43 |
| 1 | 2-A | 17 | SGN | O5-C1 | -2.29 | 1.40 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 14-A | 17 | SGN | O5-C1 | -2.29 | 1.40 | 1.43 |
| 1 | 9-A | 19 | SGN | O5-C1 | -2.29 | 1.40 | 1.43 |
| 1 | 11-A | 19 | SGN | O5-C1 | -2.29 | 1.40 | 1.43 |
| 1 | 7-A | 27 | SGN | O5-C1 | -2.29 | 1.40 | 1.43 |
| 1 | 2-A | 31 | SGN | O5-C1 | -2.29 | 1.40 | 1.43 |
| 1 | 4-A | 19 | SGN | O5-C1 | -2.29 | 1.40 | 1.43 |
| 1 | 1-A | 33 | SGN | O5-C1 | -2.28 | 1.40 | 1.43 |
| 1 | 5-A | 29 | SGN | O5-C1 | -2.28 | 1.40 | 1.43 |
| 1 | 11-A | 9 | SGN | O5-C1 | -2.28 | 1.40 | 1.43 |
| 1 | 6-A | 29 | SGN | O5-C1 | -2.28 | 1.40 | 1.43 |
| 1 | 5-A | 33 | SGN | O5-C1 | -2.28 | 1.40 | 1.43 |
| 1 | 8-A | 21 | SGN | O5-C1 | -2.28 | 1.40 | 1.43 |
| 1 | 1-A | 13 | SGN | O5-C1 | -2.27 | 1.40 | 1.43 |
| 1 | 12-A | 29 | SGN | O5-C1 | -2.27 | 1.40 | 1.43 |
| 1 | 13-A | 27 | SGN | O5-C1 | -2.27 | 1.40 | 1.43 |
| 1 | 9-A | 29 | SGN | O5-C1 | -2.27 | 1.40 | 1.43 |
| 1 | 8-A | 3 | SGN | O5-C1 | -2.27 | 1.40 | 1.43 |
| 1 | 12-A | 21 | SGN | O5-C1 | -2.26 | 1.40 | 1.43 |
| 1 | 13-A | 33 | SGN | O5-C1 | -2.26 | 1.40 | 1.43 |
| 1 | 13-A | 7 | SGN | O5-C1 | -2.26 | 1.40 | 1.43 |
| 1 | 12-A | 17 | SGN | O5-C1 | -2.26 | 1.40 | 1.43 |
| 1 | 3-A | 29 | SGN | O5-C1 | -2.26 | 1.40 | 1.43 |
| 1 | 4-A | 33 | SGN | O5-C1 | -2.26 | 1.40 | 1.43 |
| 1 | 1-A | 23 | SGN | O5-C1 | -2.26 | 1.40 | 1.43 |
| 1 | 11-A | 29 | SGN | O5-C1 | -2.26 | 1.40 | 1.43 |
| 1 | 12-A | 11 | SGN | O5-C1 | -2.26 | 1.40 | 1.43 |
| 1 | 14-A | 27 | SGN | O5-C1 | -2.26 | 1.40 | 1.43 |
| 1 | 6-A | 33 | SGN | O5-C1 | -2.26 | 1.40 | 1.43 |
| 1 | 1-A | 19 | SGN | O5-C1 | -2.26 | 1.40 | 1.43 |
| 1 | 7-A | 17 | SGN | O5-C1 | -2.26 | 1.40 | 1.43 |
| 1 | 2-A | 33 | SGN | O5-C1 | -2.26 | 1.40 | 1.43 |
| 1 | 10-A | 17 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 10-A | 19 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 14-A | 33 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 8-A | 33 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 12-A | 31 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 10-A | 33 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 2-A | 13 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 10-A | 29 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 3-A | 7 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 7-A | 33 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 6-A | 21 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 3-A | 17 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 3-A | 23 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 2-A | 35 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 14-A | 29 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 13-A | 29 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 2-A | 21 | SGN | O5-C1 | -2.25 | 1.40 | 1.43 |
| 1 | 1-A | 21 | SGN | O5-C1 | -2.24 | 1.40 | 1.43 |
| 1 | 9-A | 31 | SGN | O5-C1 | -2.24 | 1.40 | 1.43 |
| 1 | 6-A | 25 | SGN | O5-C1 | -2.24 | 1.40 | 1.43 |
| 1 | 12-A | 35 | SGN | O5-C1 | -2.24 | 1.40 | 1.43 |
| 1 | 13-A | 9 | SGN | O5-C1 | -2.24 | 1.40 | 1.43 |
| 1 | 5-A | 19 | SGN | O5-C1 | -2.24 | 1.40 | 1.43 |
| 1 | 2-A | 27 | SGN | O5-C1 | -2.24 | 1.40 | 1.43 |
| 1 | 1-A | 31 | SGN | O5-C1 | -2.24 | 1.40 | 1.43 |
| 1 | 3-A | 19 | SGN | O5-C1 | -2.24 | 1.40 | 1.43 |
| 1 | 9-A | 17 | SGN | O5-C1 | -2.24 | 1.40 | 1.43 |
| 1 | 13-A | 31 | SGN | O5-C1 | -2.24 | 1.40 | 1.43 |
| 1 | 7-A | 29 | SGN | O5-C1 | -2.24 | 1.40 | 1.43 |
| 1 | 5-A | 17 | SGN | O5-C1 | -2.24 | 1.40 | 1.43 |
| 1 | 6-A | 11 | SGN | O5-C1 | -2.24 | 1.40 | 1.43 |
| 1 | 14-A | 9 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 7-A | 19 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 8-A | 19 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 5-A | 21 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 2-A | 25 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 4-A | 29 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 3-A | 33 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 12-A | 25 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 6-A | 31 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 11-A | 33 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 4-A | 17 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 4-A | 23 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 14-A | 7 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 4-A | 11 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 14-A | 19 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 10-A | 9 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 7-A | 13 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 2-A | 19 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 8-A | 9 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 8-A | 7 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 3-A | 25 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 12-A | 19 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 13-A | 23 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 14-A | 2 | IDS | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 7-A | 7 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 4-A | 27 | SGN | O5-C1 | -2.23 | 1.40 | 1.43 |
| 1 | 12-A | 7 | SGN | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 3-A | 35 | SGN | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 14-A | 3 | SGN | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 3-A | 13 | SGN | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 8-A | 27 | SGN | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 8-A | 17 | SGN | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 6-A | 27 | SGN | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 8-A | 13 | SGN | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 12-A | 13 | SGN | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 1-A | 22 | IDS | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 12-A | 33 | SGN | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 14-A | 25 | SGN | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 10-A | 27 | SGN | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 5-A | 25 | SGN | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 11-A | 27 | SGN | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 5-A | 27 | SGN | O5-C1 | -2.22 | 1.40 | 1.43 |
| 1 | 9-A | 13 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 9-A | 25 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 5-A | 7 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 9-A | 9 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 12-A | 9 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 7-A | 21 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 10-A | 25 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 1-A | 35 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 4-A | 13 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 9-A | 21 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 14-A | 31 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 2-A | 7 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 9-A | 27 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 4-A | 31 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 9-A | 7 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 6-A | 9 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 4-A | 21 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 11-A | 25 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 13-A | 35 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 6-A | 2 | IDS | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 7-A | 12 | IDS | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 13-A | 25 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 10-A | 3 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 1-A | 7 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 13-A | 17 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 11-A | 11 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 3-A | 3 | SGN | O5-C1 | -2.21 | 1.40 | 1.43 |
| 1 | 11-A | 31 | SGN | O5-C1 | -2.20 | 1.40 | 1.43 |
| 1 | 1-A | 3 | SGN | O5-C1 | -2.20 | 1.40 | 1.43 |
| 1 | 8-A | 25 | SGN | O5-C1 | -2.20 | 1.40 | 1.43 |
| 1 | 3-A | 27 | SGN | O5-C1 | -2.20 | 1.40 | 1.43 |
| 1 | 10-A | 21 | SGN | O5-C1 | -2.20 | 1.40 | 1.43 |
| 1 | 12-A | 27 | SGN | O5-C1 | -2.20 | 1.40 | 1.43 |
| 1 | 8-A | 29 | SGN | O5-C1 | -2.20 | 1.40 | 1.43 |
| 1 | 4-A | 3 | SGN | O5-C1 | -2.20 | 1.40 | 1.43 |
| 1 | 1-A | 5 | SGN | O5-C1 | -2.20 | 1.40 | 1.43 |
| 1 | 1-A | 9 | SGN | O5-C1 | -2.20 | 1.40 | 1.43 |
| 1 | 11-A | 2 | IDS | O5-C1 | -2.20 | 1.40 | 1.43 |
| 1 | 6-A | 35 | SGN | O5-C1 | -2.20 | 1.40 | 1.43 |
| 1 | 1-A | 27 | SGN | O5-C1 | -2.20 | 1.40 | 1.43 |
| 1 | 3-A | 31 | SGN | O5-C1 | -2.20 | 1.40 | 1.43 |
| 1 | 12-A | 3 | SGN | O5-C1 | -2.20 | 1.40 | 1.43 |
| 1 | 2-A | 11 | SGN | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 8-A | 20 | IDS | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 4-A | 7 | SGN | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 5-A | 35 | SGN | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 4-A | 25 | SGN | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 9-A | 3 | SGN | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 14-A | 21 | SGN | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 1-A | 2 | IDS | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 3-A | 11 | SGN | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 13-A | 3 | SGN | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 11-A | 7 | SGN | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 2-A | 9 | SGN | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 2-A | 2 | IDS | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 1-A | 11 | SGN | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 13-A | 32 | IDS | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 4-A | 35 | SGN | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 7-A | 5 | SGN | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 7-A | 11 | SGN | O5-C1 | -2.19 | 1.40 | 1.43 |
| 1 | 5-A | 23 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 3-A | 9 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 7-A | 31 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 6-A | 23 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 8-A | 35 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 6-A | 3 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 11-A | 3 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 13-A | 11 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 8-A | 31 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 5-A | 3 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 5-A | 31 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 10-A | 11 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 5-A | 9 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 9-A | 22 | IDS | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 13-A | 21 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 6-A | 13 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 2-A | 23 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 13-A | 2 | IDS | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 14-A | 35 | SGN | O5-C1 | -2.18 | 1.40 | 1.43 |
| 1 | 3-A | 5 | SGN | O5-C1 | -2.17 | 1.40 | 1.43 |
| 1 | 3-A | 8 | IDS | O5-C1 | -2.17 | 1.40 | 1.43 |
| 1 | 10-A | 12 | IDS | O5-C1 | -2.17 | 1.40 | 1.43 |
| 1 | 11-A | 21 | SGN | O5-C1 | -2.17 | 1.40 | 1.43 |
| 1 | 3-A | 12 | IDS | O5-C1 | -2.17 | 1.40 | 1.43 |
| 1 | 14-A | 13 | SGN | O5-C1 | -2.17 | 1.40 | 1.43 |
| 1 | 10-A | 31 | SGN | O5-C1 | -2.17 | 1.40 | 1.43 |
| 1 | 14-A | 23 | SGN | O5-C1 | -2.17 | 1.40 | 1.43 |
| 1 | 3-A | 22 | IDS | O5-C1 | -2.17 | 1.40 | 1.43 |
| 1 | 12-A | 2 | IDS | O5-C1 | -2.17 | 1.40 | 1.43 |
| 1 | 4-A | 9 | SGN | O5-C1 | -2.17 | 1.40 | 1.43 |
| 1 | 14-A | 22 | IDS | O5-C1 | -2.17 | 1.40 | 1.43 |
| 1 | 7-A | 3 | SGN | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 8-A | 5 | SGN | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 3-A | 2 | IDS | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 14-A | 8 | IDS | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 3-A | 32 | IDS | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 2-A | 3 | SGN | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 6-A | 22 | IDS | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 11-A | 35 | SGN | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 3-A | 21 | SGN | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 10-A | 13 | SGN | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 12-A | 22 | IDS | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 4-A | 5 | SGN | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 10-A | 35 | SGN | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 8-A | 23 | SGN | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 12-A | 23 | SGN | O5-C1 | -2.16 | 1.40 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 14-A | 32 | IDS | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 9-A | 23 | SGN | O5-C1 | -2.16 | 1.40 | 1.43 |
| 1 | 5-A | 11 | SGN | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 5-A | 5 | SGN | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 11-A | 13 | SGN | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 6-A | 16 | IDS | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 14-A | 12 | IDS | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 8-A | 22 | IDS | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 9-A | 33 | SGN | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 5-A | 15 | SGN | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 4-A | 22 | IDS | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 13-A | 8 | IDS | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 5-A | 13 | SGN | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 4-A | 36 | IDS | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 11-A | 22 | IDS | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 9-A | 2 | IDS | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 8-A | 11 | SGN | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 2-A | 15 | SGN | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 12-A | 5 | SGN | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 8-A | 12 | IDS | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 9-A | 5 | SGN | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 10-A | 23 | SGN | O5-C1 | -2.15 | 1.40 | 1.43 |
| 1 | 4-A | 15 | SGN | O5-C1 | -2.14 | 1.40 | 1.43 |
| 1 | 13-A | 5 | SGN | O5-C1 | -2.14 | 1.40 | 1.43 |
| 1 | 9-A | 11 | SGN | O5-C1 | -2.14 | 1.40 | 1.43 |
| 1 | 13-A | 15 | SGN | O5-C1 | -2.14 | 1.40 | 1.43 |
| 1 | 12-A | 32 | IDS | O5-C1 | -2.14 | 1.40 | 1.43 |
| 1 | 7-A | 23 | SGN | O5-C1 | -2.14 | 1.40 | 1.43 |
| 1 | 7-A | 9 | SGN | O5-C1 | -2.14 | 1.40 | 1.43 |
| 1 | 6-A | 19 | SGN | O5-C1 | -2.14 | 1.40 | 1.43 |
| 1 | 8-A | 32 | IDS | O5-C1 | -2.14 | 1.40 | 1.43 |
| 1 | 11-A | 32 | IDS | O5-C1 | -2.14 | 1.40 | 1.43 |
| 1 | 7-A | 28 | IDS | O5-C1 | -2.14 | 1.40 | 1.43 |
| 1 | 10-A | 30 | IDS | O5-C1 | -2.14 | 1.40 | 1.43 |
| 1 | 13-A | 13 | SGN | O5-C1 | -2.14 | 1.40 | 1.43 |
| 1 | 9-A | 20 | IDS | O5-C1 | -2.14 | 1.40 | 1.43 |
| 1 | 11-A | 12 | IDS | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 7-A | 15 | SGN | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 8-A | 15 | SGN | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 6-A | 15 | SGN | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 10-A | 15 | SGN | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 11-A | 23 | SGN | O5-C1 | -2.13 | 1.40 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 9-A | 6 | IDS | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 8-A | 2 | IDS | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 14-A | 15 | SGN | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 2-A | 32 | IDS | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 6-A | 20 | IDS | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 14-A | 11 | SGN | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 10-A | 5 | SGN | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 4-A | 8 | IDS | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 14-A | 10 | IDS | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 7-A | 22 | IDS | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 12-A | 30 | IDS | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 4-A | 32 | IDS | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 10-A | 2 | IDS | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 8-A | 8 | IDS | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 12-A | 15 | SGN | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 4-A | 2 | IDS | O5-C1 | -2.13 | 1.40 | 1.43 |
| 1 | 5-A | 22 | IDS | O5-C1 | -2.12 | 1.40 | 1.43 |
| 1 | 7-A | 32 | IDS | O5-C1 | -2.12 | 1.40 | 1.43 |
| 1 | 10-A | 22 | IDS | O5-C1 | -2.12 | 1.40 | 1.43 |
| 1 | 5-A | 2 | IDS | O5-C1 | -2.12 | 1.40 | 1.43 |
| 1 | 2-A | 5 | SGN | O5-C1 | -2.12 | 1.40 | 1.43 |
| 1 | 4-A | 12 | IDS | O5-C1 | -2.12 | 1.40 | 1.43 |
| 1 | 7-A | 26 | IDS | O5-C1 | -2.12 | 1.40 | 1.43 |
| 1 | 7-A | 16 | IDS | O5-C1 | -2.12 | 1.40 | 1.43 |
| 1 | 7-A | 35 | SGN | O5-C1 | -2.12 | 1.40 | 1.43 |
| 1 | 2-A | 28 | IDS | O5-C1 | -2.12 | 1.40 | 1.43 |
| 1 | 1-A | 30 | IDS | O5-C1 | -2.12 | 1.40 | 1.43 |
| 1 | 11-A | 28 | IDS | O5-C1 | -2.12 | 1.40 | 1.43 |
| 1 | 2-A | 22 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 14-A | 30 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 9-A | 35 | SGN | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 12-A | 6 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 10-A | 28 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 11-A | 30 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 6-A | 5 | SGN | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 3-A | 28 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 12-A | 8 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 4-A | 10 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 1-A | 36 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 12-A | 28 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 5-A | 32 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 7-A | 8 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 9-A | 26 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 10-A | 32 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 1-A | 12 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 6-A | 26 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 14-A | 5 | SGN | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 10-A | 20 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 3-A | 15 | SGN | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 13-A | 34 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 7-A | 36 | IDS | O5-C1 | -2.11 | 1.40 | 1.43 |
| 1 | 4-A | 20 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 5-A | 28 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 7-A | 30 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 12-A | 20 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 14-A | 28 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 3-A | 16 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 5-A | 8 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 11-A | 5 | SGN | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 14-A | 26 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 1-A | 32 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 2-A | 10 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 4-A | 28 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 1-A | 16 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 13-A | 30 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 11-A | 16 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 1-A | 26 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 9-A | 32 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 1-A | 15 | SGN | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 9-A | 15 | SGN | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 4-A | 16 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 5-A | 20 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 6-A | 30 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 11-A | 8 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 4-A | 26 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 12-A | 16 | IDS | O5-C1 | -2.10 | 1.40 | 1.43 |
| 1 | 7-A | 4 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 9-A | 34 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 8-A | 26 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 13-A | 28 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 2-A | 6 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 7-A | 14 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 9-A | 30 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 5-A | 26 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 11-A | 10 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 2-A | 20 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 8-A | 28 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 3-A | 30 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 14-A | 6 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 6-A | 8 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 13-A | 16 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 5-A | 30 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 9-A | 12 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 7-A | 6 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 1-A | 8 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 7-A | 10 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 7-A | 2 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 5-A | 34 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 11-A | 18 | IDS | O5-C1 | -2.09 | 1.40 | 1.43 |
| 1 | 3-A | 20 | IDS | O5-C1 | -2.08 | 1.40 | 1.43 |
| 1 | 6-A | 32 | IDS | O5-C1 | -2.08 | 1.40 | 1.43 |
| 1 | 11-A | 26 | IDS | O5-C1 | -2.08 | 1.40 | 1.43 |
| 1 | 14-A | 16 | IDS | O5-C1 | -2.08 | 1.40 | 1.43 |
| 1 | 3-A | 6 | IDS | O5-C1 | -2.08 | 1.40 | 1.43 |
| 1 | 1-A | 20 | IDS | O5-C1 | -2.08 | 1.40 | 1.43 |
| 1 | 11-A | 20 | IDS | O5-C1 | -2.08 | 1.40 | 1.43 |
| 1 | 10-A | 26 | IDS | O5-C1 | -2.08 | 1.40 | 1.43 |
| 1 | 11-A | 15 | SGN | O5-C1 | -2.08 | 1.40 | 1.43 |
| 1 | 4-A | 6 | IDS | O5-C1 | -2.08 | 1.40 | 1.43 |
| 1 | 7-A | 20 | IDS | O5-C1 | -2.08 | 1.40 | 1.43 |
| 1 | 1-A | 28 | IDS | O5-C1 | -2.08 | 1.40 | 1.43 |
| 1 | 9-A | 16 | IDS | O5-C1 | -2.08 | 1.40 | 1.43 |
| 1 | 2-A | 18 | IDS | O5-C1 | -2.08 | 1.40 | 1.43 |
| 1 | 13-A | 10 | IDS | O5-C1 | -2.08 | 1.40 | 1.43 |
| 1 | 2-A | 14 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 13-A | 24 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 2-A | 12 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 12-A | 12 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 13-A | 12 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 5-A | 16 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 5-A | 12 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 6-A | 18 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 10-A | 18 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 13-A | 4 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 10-A | 4 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 12-A | 10 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 9-A | 8 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 9-A | 10 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 2-A | 16 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 6-A | 28 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 7-A | 34 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 12-A | 36 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 13-A | 20 | IDS | O5-C1 | -2.07 | 1.40 | 1.43 |
| 1 | 12-A | 18 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 14-A | 34 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 13-A | 22 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 8-A | 34 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 5-A | 18 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 7-A | 18 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 4-A | 18 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 9-A | 18 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 10-A | 34 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 13-A | 36 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 13-A | 14 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 10-A | 8 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 6-A | 14 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 8-A | 14 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 12-A | 4 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 10-A | 10 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 11-A | 14 | IDS | O5-C1 | -2.06 | 1.40 | 1.43 |
| 1 | 5-A | 6 | IDS | O5-C1 | -2.05 | 1.40 | 1.43 |
| 1 | 2-A | 8 | IDS | O5-C1 | -2.05 | 1.40 | 1.43 |
| 1 | 10-A | 24 | IDS | O5-C1 | -2.05 | 1.40 | 1.43 |
| 1 | 3-A | 18 | IDS | O5-C1 | -2.05 | 1.40 | 1.43 |
| 1 | 10-A | 36 | IDS | O5-C1 | -2.05 | 1.40 | 1.43 |
| 1 | 2-A | 30 | IDS | O5-C1 | -2.05 | 1.40 | 1.43 |
| 1 | 8-A | 24 | IDS | O5-C1 | -2.05 | 1.40 | 1.43 |
| 1 | 3-A | 26 | IDS | O5-C1 | -2.05 | 1.40 | 1.43 |
| 1 | 14-A | 14 | IDS | O5-C1 | -2.05 | 1.40 | 1.43 |
| 1 | 9-A | 28 | IDS | O5-C1 | -2.05 | 1.40 | 1.43 |
| 1 | 12-A | 26 | IDS | O5-C1 | -2.05 | 1.40 | 1.43 |
| 1 | 2-A | 34 | IDS | O5-C1 | -2.05 | 1.40 | 1.43 |
| 1 | 13-A | 18 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 8-A | 6 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 10-A | 6 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 1-A | 10 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 3-A | 34 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 6-A | 24 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 12-A | 24 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 6-A | 12 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 11-A | 24 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 4-A | 34 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 6-A | 36 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 4-A | 30 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 9-A | 14 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 5-A | 10 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 8-A | 16 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 4-A | 14 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 6-A | 4 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 1-A | 34 | IDS | O5-C1 | -2.04 | 1.40 | 1.43 |
| 1 | 2-A | 24 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 14-A | 36 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 9-A | 4 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 2-A | 36 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 14-A | 4 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 6-A | 34 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 5-A | 24 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 3-A | 14 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 1-A | 18 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 7-A | 24 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 12-A | 14 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 11-A | 34 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 8-A | 36 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 2-A | 26 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 3-A | 36 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 13-A | 6 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 3-A | 10 | IDS | O5-C1 | -2.03 | 1.40 | 1.43 |
| 1 | 10-A | 16 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |
| 1 | 8-A | 30 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |
| 1 | 6-A | 10 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |
| 1 | 11-A | 36 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |
| 1 | 8-A | 18 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |
| 1 | 14-A | 18 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |
| 1 | 9-A | 36 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |
| 1 | 8-A | 10 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |
| 1 | 1-A | 24 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |
| 1 | 5-A | 4 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |
| 1 | 9-A | 24 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |
| 1 | 2-A | 4 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |
| 1 | 11-A | 6 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 13-A | 26 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |
| 1 | 14-A | 20 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |
| 1 | 4-A | 4 | IDS | O5-C1 | -2.02 | 1.40 | 1.43 |
| 1 | 10-A | 14 | IDS | O5-C1 | -2.01 | 1.40 | 1.43 |
| 1 | 6-A | 6 | IDS | O5-C1 | -2.01 | 1.40 | 1.43 |
| 1 | 5-A | 14 | IDS | O5-C1 | -2.01 | 1.40 | 1.43 |
| 1 | 12-A | 34 | IDS | O5-C1 | -2.00 | 1.40 | 1.43 |

All (1008) bond angle outliers are listed below:

| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 1 | 2-A | 12 | IDS | C2-O2-S | 8.06 | 128.42 | 117.91 |
| 1 | 10-A | 12 | IDS | C2-O2-S | 8.05 | 128.41 | 117.91 |
| 1 | 14-A | 12 | IDS | C2-O2-S | 8.04 | 128.40 | 117.91 |
| 1 | 1-A | 32 | IDS | C2-O2-S | 8.02 | 128.37 | 117.91 |
| 1 | 3-A | 12 | IDS | C2-O2-S | 8.02 | 128.37 | 117.91 |
| 1 | 9-A | 12 | IDS | C2-O2-S | 8.02 | 128.37 | 117.91 |
| 1 | 12-A | 12 | IDS | C2-O2-S | 8.01 | 128.36 | 117.91 |
| 1 | 7-A | 12 | IDS | C2-O2-S | 8.01 | 128.36 | 117.91 |
| 1 | 12-A | 16 | IDS | C2-O2-S | 8.01 | 128.36 | 117.91 |
| 1 | 14-A | 2 | IDS | C2-O2-S | 8.01 | 128.36 | 117.91 |
| 1 | 1-A | 12 | IDS | C2-O2-S | 8.01 | 128.35 | 117.91 |
| 1 | 11-A | 12 | IDS | C2-O2-S | 8.01 | 128.35 | 117.91 |
| 1 | 13-A | 32 | IDS | C2-O2-S | 8.01 | 128.35 | 117.91 |
| 1 | 9-A | 4 | IDS | C2-O2-S | 8.00 | 128.35 | 117.91 |
| 1 | 8-A | 12 | IDS | C2-O2-S | 8.00 | 128.35 | 117.91 |
| 1 | 13-A | 24 | IDS | C2-O2-S | 8.00 | 128.35 | 117.91 |
| 1 | 12-A | 28 | IDS | C2-O2-S | 8.00 | 128.35 | 117.91 |
| 1 | 12-A | 2 | IDS | C2-O2-S | 8.00 | 128.34 | 117.91 |
| 1 | 1-A | 28 | IDS | C2-O2-S | 7.99 | 128.34 | 117.91 |
| 1 | 10-A | 28 | IDS | C2-O2-S | 7.99 | 128.34 | 117.91 |
| 1 | 2-A | 22 | IDS | C2-O2-S | 7.99 | 128.33 | 117.91 |
| 1 | 1-A | 2 | IDS | C2-O2-S | 7.99 | 128.33 | 117.91 |
| 1 | 10-A | 32 | IDS | C2-O2-S | 7.99 | 128.33 | 117.91 |
| 1 | 10-A | 2 | IDS | C2-O2-S | 7.99 | 128.33 | 117.91 |
| 1 | 11-A | 16 | IDS | C2-O2-S | 7.99 | 128.33 | 117.91 |
| 1 | 5-A | 12 | IDS | C2-O2-S | 7.99 | 128.33 | 117.91 |
| 1 | 13-A | 22 | IDS | C2-O2-S | 7.99 | 128.33 | 117.91 |
| 1 | 13-A | 30 | IDS | C2-O2-S | 7.99 | 128.33 | 117.91 |
| 1 | 4-A | 2 | IDS | C2-O2-S | 7.99 | 128.33 | 117.91 |
| 1 | 14-A | 30 | IDS | C2-O2-S | 7.98 | 128.32 | 117.91 |
| 1 | 3-A | 4 | IDS | C2-O2-S | 7.98 | 128.32 | 117.91 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 1 | 1-A | 30 | IDS | C2-O2-S | 7.98 | 128.32 | 117.91 |
| 1 | 5-A | 10 | IDS | C2-O2-S | 7.98 | 128.32 | 117.91 |
| 1 | 14-A | 16 | IDS | C2-O2-S | 7.98 | 128.32 | 117.91 |
| 1 | 4-A | 32 | IDS | C2-O2-S | 7.98 | 128.32 | 117.91 |
| 1 | 6-A | 32 | IDS | C2-O2-S | 7.98 | 128.32 | 117.91 |
| 1 | 9-A | 22 | IDS | C2-O2-S | 7.98 | 128.32 | 117.91 |
| 1 | 12-A | 22 | IDS | C2-O2-S | 7.98 | 128.31 | 117.91 |
| 1 | 8-A | 28 | IDS | C2-O2-S | 7.98 | 128.31 | 117.91 |
| 1 | 13-A | 16 | IDS | C2-O2-S | 7.98 | 128.31 | 117.91 |
| 1 | 6-A | 22 | IDS | C2-O2-S | 7.98 | 128.31 | 117.91 |
| 1 | 11-A | 2 | IDS | C2-O2-S | 7.97 | 128.31 | 117.91 |
| 1 | 7-A | 16 | IDS | C2-O2-S | 7.97 | 128.31 | 117.91 |
| 1 | 10-A | 24 | IDS | C2-O2-S | 7.97 | 128.31 | 117.91 |
| 1 | 13-A | 12 | IDS | C2-O2-S | 7.97 | 128.31 | 117.91 |
| 1 | 10-A | 22 | IDS | C2-O2-S | 7.97 | 128.31 | 117.91 |
| 1 | 7-A | 28 | IDS | C2-O2-S | 7.97 | 128.31 | 117.91 |
| 1 | 12-A | 30 | IDS | C2-O2-S | 7.97 | 128.31 | 117.91 |
| 1 | 10-A | 4 | IDS | C2-O2-S | 7.97 | 128.31 | 117.91 |
| 1 | 6-A | 12 | IDS | C2-O2-S | 7.97 | 128.31 | 117.91 |
| 1 | 14-A | 32 | IDS | C2-O2-S | 7.97 | 128.31 | 117.91 |
| 1 | 7-A | 30 | IDS | C2-O2-S | 7.97 | 128.30 | 117.91 |
| 1 | 5-A | 22 | IDS | C2-O2-S | 7.97 | 128.30 | 117.91 |
| 1 | 4-A | 30 | IDS | C2-O2-S | 7.97 | 128.30 | 117.91 |
| 1 | 3-A | 22 | IDS | C2-O2-S | 7.97 | 128.30 | 117.91 |
| 1 | 11-A | 18 | IDS | C2-O2-S | 7.97 | 128.30 | 117.91 |
| 1 | 2-A | 28 | IDS | C2-O2-S | 7.97 | 128.30 | 117.91 |
| 1 | 1-A | 16 | IDS | C2-O2-S | 7.97 | 128.30 | 117.91 |
| 1 | 2-A | 30 | IDS | C2-O2-S | 7.96 | 128.30 | 117.91 |
| 1 | 2-A | 14 | IDS | C2-O2-S | 7.96 | 128.30 | 117.91 |
| 1 | 8-A | 22 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 9-A | 16 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 12-A | 32 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 6-A | 8 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 6-A | 30 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 3-A | 32 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 8-A | 32 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 6-A | 36 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 11-A | 22 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 10-A | 26 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 11-A | 32 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 4-A | 6 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 2-A | 16 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 1 | 3-A | 28 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 4-A | 10 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 12-A | 8 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 4-A | 22 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 10-A | 30 | IDS | C2-O2-S | 7.96 | 128.29 | 117.91 |
| 1 | 9-A | 2 | IDS | C2-O2-S | 7.95 | 128.28 | 117.91 |
| 1 | 3-A | 24 | IDS | C2-O2-S | 7.95 | 128.28 | 117.91 |
| 1 | 8-A | 36 | IDS | C2-O2-S | 7.95 | 128.28 | 117.91 |
| 1 | 6-A | 16 | IDS | C2-O2-S | 7.95 | 128.28 | 117.91 |
| 1 | 2-A | 10 | IDS | C2-O2-S | 7.95 | 128.28 | 117.91 |
| 1 | 3-A | 30 | IDS | C2-O2-S | 7.95 | 128.28 | 117.91 |
| 1 | 7-A | 2 | IDS | C2-O2-S | 7.95 | 128.28 | 117.91 |
| 1 | 11-A | 26 | IDS | C2-O2-S | 7.95 | 128.28 | 117.91 |
| 1 | 2-A | 36 | IDS | C2-O2-S | 7.95 | 128.28 | 117.91 |
| 1 | 7-A | 22 | IDS | C2-O2-S | 7.95 | 128.28 | 117.91 |
| 1 | 11-A | 30 | IDS | C2-O2-S | 7.95 | 128.28 | 117.91 |
| 1 | 4-A | 24 | IDS | C2-O2-S | 7.95 | 128.28 | 117.91 |
| 1 | 1-A | 36 | IDS | C2-O2-S | 7.95 | 128.28 | 117.91 |
| 1 | 8-A | 2 | IDS | C2-O2-S | 7.95 | 128.28 | 117.91 |
| 1 | 4-A | 26 | IDS | C2-O2-S | 7.95 | 128.28 | 117.91 |
| 1 | 8-A | 30 | IDS | C2-O2-S | 7.95 | 128.27 | 117.91 |
| 1 | 12-A | 4 | IDS | C2-O2-S | 7.95 | 128.27 | 117.91 |
| 1 | 13-A | 6 | IDS | C2-O2-S | 7.95 | 128.27 | 117.91 |
| 1 | 3-A | 16 | IDS | C2-O2-S | 7.95 | 128.27 | 117.91 |
| 1 | 2-A | 32 | IDS | C2-O2-S | 7.95 | 128.27 | 117.91 |
| 1 | 13-A | 2 | IDS | C2-O2-S | 7.95 | 128.27 | 117.91 |
| 1 | 5-A | 28 | IDS | C2-O2-S | 7.95 | 128.27 | 117.91 |
| 1 | 9-A | 28 | IDS | C2-O2-S | 7.95 | 128.27 | 117.91 |
| 1 | 1-A | 8 | IDS | C2-O2-S | 7.94 | 128.27 | 117.91 |
| 1 | 9-A | 14 | IDS | C2-O2-S | 7.94 | 128.27 | 117.91 |
| 1 | 13-A | 28 | IDS | C2-O2-S | 7.94 | 128.27 | 117.91 |
| 1 | 14-A | 28 | IDS | C2-O2-S | 7.94 | 128.27 | 117.91 |
| 1 | 2-A | 2 | IDS | C2-O2-S | 7.94 | 128.27 | 117.91 |
| 1 | 7-A | 4 | IDS | C2-O2-S | 7.94 | 128.27 | 117.91 |
| 1 | 5-A | 16 | IDS | C2-O2-S | 7.94 | 128.27 | 117.91 |
| 1 | 2-A | 4 | IDS | C2-O2-S | 7.94 | 128.27 | 117.91 |
| 1 | 10-A | 16 | IDS | C2-O2-S | 7.94 | 128.27 | 117.91 |
| 1 | 5-A | 36 | IDS | C2-O2-S | 7.94 | 128.27 | 117.91 |
| 1 | 6-A | 28 | IDS | C2-O2-S | 7.94 | 128.27 | 117.91 |
| 1 | 3-A | 2 | IDS | C2-O2-S | 7.94 | 128.27 | 117.91 |
| 1 | 3-A | 10 | IDS | C2-O2-S | 7.94 | 128.27 | 117.91 |
| 1 | 6-A | 10 | IDS | C2-O2-S | 7.94 | 128.27 | 117.91 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 1 | 14-A | 14 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 4-A | 16 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 9-A | 24 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 7-A | 8 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 6-A | 4 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 6-A | 24 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 8-A | 34 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 4-A | 12 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 5-A | 32 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 6-A | 2 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 5-A | 6 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 7-A | 6 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 1-A | 20 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 12-A | 24 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 3-A | 36 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 14-A | 24 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 5-A | 24 | IDS | C2-O2-S | 7.94 | 128.26 | 117.91 |
| 1 | 1-A | 14 | IDS | C2-O2-S | 7.93 | 128.26 | 117.91 |
| 1 | 5-A | 26 | IDS | C2-O2-S | 7.93 | 128.26 | 117.91 |
| 1 | 5-A | 8 | IDS | C2-O2-S | 7.93 | 128.26 | 117.91 |
| 1 | 1-A | 10 | IDS | C2-O2-S | 7.93 | 128.26 | 117.91 |
| 1 | 8-A | 18 | IDS | C2-O2-S | 7.93 | 128.26 | 117.91 |
| 1 | 1-A | 22 | IDS | C2-O2-S | 7.93 | 128.26 | 117.91 |
| 1 | 8-A | 6 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 8-A | 10 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 10-A | 20 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 3-A | 20 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 2-A | 24 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 12-A | 6 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 14-A | 6 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 1-A | 4 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 1-A | 34 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 13-A | 8 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 12-A | 10 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 1-A | 18 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 13-A | 36 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 2-A | 20 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 11-A | 36 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 5-A | 2 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 13-A | 18 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 5-A | 14 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 8-A | 20 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 1 | 14-A | 22 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 11-A | 14 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 4-A | 18 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 11-A | 20 | IDS | C2-O2-S | 7.93 | 128.25 | 117.91 |
| 1 | 7-A | 14 | IDS | C2-O2-S | 7.92 | 128.25 | 117.91 |
| 1 | 13-A | 14 | IDS | C2-O2-S | 7.92 | 128.25 | 117.91 |
| 1 | 12-A | 34 | IDS | C2-O2-S | 7.92 | 128.25 | 117.91 |
| 1 | 6-A | 6 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 8-A | 14 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 8-A | 24 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 5-A | 18 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 6-A | 18 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 3-A | 26 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 11-A | 28 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 13-A | 34 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 12-A | 26 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 10-A | 36 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 3-A | 6 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 8-A | 26 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 12-A | 14 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 5-A | 20 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 9-A | 36 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 5-A | 30 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 9-A | 32 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 11-A | 4 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 14-A | 4 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 9-A | 10 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 10-A | 10 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 9-A | 6 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 3-A | 8 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 14-A | 20 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 9-A | 30 | IDS | C2-O2-S | 7.92 | 128.24 | 117.91 |
| 1 | 8-A | 4 | IDS | C2-O2-S | 7.92 | 128.23 | 117.91 |
| 1 | 7-A | 20 | IDS | C2-O2-S | 7.92 | 128.23 | 117.91 |
| 1 | 14-A | 8 | IDS | C2-O2-S | 7.91 | 128.23 | 117.91 |
| 1 | 13-A | 20 | IDS | C2-O2-S | 7.91 | 128.23 | 117.91 |
| 1 | 11-A | 24 | IDS | C2-O2-S | 7.91 | 128.23 | 117.91 |
| 1 | 11-A | 34 | IDS | C2-O2-S | 7.91 | 128.23 | 117.91 |
| 1 | 2-A | 6 | IDS | C2-O2-S | 7.91 | 128.23 | 117.91 |
| 1 | 3-A | 34 | IDS | C2-O2-S | 7.91 | 128.23 | 117.91 |
| 1 | 11-A | 6 | IDS | C2-O2-S | 7.91 | 128.23 | 117.91 |
| 1 | 8-A | 16 | IDS | C2-O2-S | 7.91 | 128.23 | 117.91 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 1 | 10-A | 34 | IDS | C2-O2-S | 7.91 | 128.23 | 117.91 |
| 1 | 6-A | 14 | IDS | C2-O2-S | 7.91 | 128.23 | 117.91 |
| 1 | 10-A | 14 | IDS | C2-O2-S | 7.91 | 128.23 | 117.91 |
| 1 | 1-A | 24 | IDS | C2-O2-S | 7.91 | 128.23 | 117.91 |
| 1 | 10-A | 8 | IDS | C2-O2-S | 7.91 | 128.22 | 117.91 |
| 1 | 4-A | 20 | IDS | C2-O2-S | 7.91 | 128.22 | 117.91 |
| 1 | 6-A | 20 | IDS | C2-O2-S | 7.91 | 128.22 | 117.91 |
| 1 | 4-A | 36 | IDS | C2-O2-S | 7.91 | 128.22 | 117.91 |
| 1 | 4-A | 28 | IDS | C2-O2-S | 7.91 | 128.22 | 117.91 |
| 1 | 7-A | 36 | IDS | C2-O2-S | 7.91 | 128.22 | 117.91 |
| 1 | 7-A | 34 | IDS | C2-O2-S | 7.91 | 128.22 | 117.91 |
| 1 | 9-A | 8 | IDS | C2-O2-S | 7.90 | 128.22 | 117.91 |
| 1 | 3-A | 14 | IDS | C2-O2-S | 7.90 | 128.22 | 117.91 |
| 1 | 7-A | 24 | IDS | C2-O2-S | 7.90 | 128.22 | 117.91 |
| 1 | 14-A | 36 | IDS | C2-O2-S | 7.90 | 128.22 | 117.91 |
| 1 | 13-A | 4 | IDS | C2-O2-S | 7.90 | 128.22 | 117.91 |
| 1 | 7-A | 32 | IDS | C2-O2-S | 7.90 | 128.22 | 117.91 |
| 1 | 6-A | 34 | IDS | C2-O2-S | 7.90 | 128.22 | 117.91 |
| 1 | 5-A | 4 | IDS | C2-O2-S | 7.90 | 128.22 | 117.91 |
| 1 | 9-A | 18 | IDS | C2-O2-S | 7.90 | 128.22 | 117.91 |
| 1 | 13-A | 26 | IDS | C2-O2-S | 7.90 | 128.22 | 117.91 |
| 1 | 4-A | 34 | IDS | C2-O2-S | 7.90 | 128.21 | 117.91 |
| 1 | 8-A | 8 | IDS | C2-O2-S | 7.90 | 128.21 | 117.91 |
| 1 | 4-A | 8 | IDS | C2-O2-S | 7.90 | 128.21 | 117.91 |
| 1 | 7-A | 10 | IDS | C2-O2-S | 7.90 | 128.21 | 117.91 |
| 1 | 7-A | 26 | IDS | C2-O2-S | 7.90 | 128.21 | 117.91 |
| 1 | 9-A | 34 | IDS | C2-O2-S | 7.90 | 128.21 | 117.91 |
| 1 | 12-A | 36 | IDS | C2-O2-S | 7.90 | 128.21 | 117.91 |
| 1 | 14-A | 34 | IDS | C2-O2-S | 7.90 | 128.21 | 117.91 |
| 1 | 7-A | 18 | IDS | C2-O2-S | 7.90 | 128.21 | 117.91 |
| 1 | 2-A | 26 | IDS | C2-O2-S | 7.90 | 128.21 | 117.91 |
| 1 | 10-A | 6 | IDS | C2-O2-S | 7.89 | 128.21 | 117.91 |
| 1 | 11-A | 10 | IDS | C2-O2-S | 7.89 | 128.21 | 117.91 |
| 1 | 1-A | 26 | IDS | C2-O2-S | 7.89 | 128.21 | 117.91 |
| 1 | 14-A | 26 | IDS | C2-O2-S | 7.89 | 128.21 | 117.91 |
| 1 | 14-A | 10 | IDS | C2-O2-S | 7.89 | 128.21 | 117.91 |
| 1 | 3-A | 18 | IDS | C2-O2-S | 7.89 | 128.21 | 117.91 |
| 1 | 4-A | 14 | IDS | C2-O2-S | 7.89 | 128.20 | 117.91 |
| 1 | 2-A | 8 | IDS | C2-O2-S | 7.89 | 128.20 | 117.91 |
| 1 | 9-A | 20 | IDS | C2-O2-S | 7.89 | 128.20 | 117.91 |
| 1 | 2-A | 34 | IDS | C2-O2-S | 7.89 | 128.20 | 117.91 |
| 1 | 1-A | 6 | IDS | C2-O2-S | 7.89 | 128.20 | 117.91 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 1 | 12-A | 20 | IDS | C2-O2-S | 7.89 | 128.20 | 117.91 |
| 1 | 5-A | 34 | IDS | C2-O2-S | 7.89 | 128.20 | 117.91 |
| 1 | 11-A | 8 | IDS | C2-O2-S | 7.89 | 128.20 | 117.91 |
| 1 | 12-A | 18 | IDS | C2-O2-S | 7.89 | 128.20 | 117.91 |
| 1 | 9-A | 26 | IDS | C2-O2-S | 7.89 | 128.20 | 117.91 |
| 1 | 6-A | 26 | IDS | C2-O2-S | 7.89 | 128.19 | 117.91 |
| 1 | 13-A | 10 | IDS | C2-O2-S | 7.88 | 128.19 | 117.91 |
| 1 | 2-A | 18 | IDS | C2-O2-S | 7.88 | 128.19 | 117.91 |
| 1 | 10-A | 18 | IDS | C2-O2-S | 7.87 | 128.18 | 117.91 |
| 1 | 4-A | 4 | IDS | C2-O2-S | 7.87 | 128.17 | 117.91 |
| 1 | 14-A | 18 | IDS | C2-O2-S | 7.86 | 128.16 | 117.91 |
| 1 | 13-A | 36 | IDS | O6B-C6-C5 | 3.04 | 121.71 | 113.03 |
| 1 | 1-A | 36 | IDS | O6B-C6-C5 | 3.04 | 121.70 | 113.03 |
| 1 | 12-A | 36 | IDS | O6B-C6-C5 | 3.04 | 121.70 | 113.03 |
| 1 | 5-A | 36 | IDS | O6B-C6-C5 | 3.03 | 121.69 | 113.03 |
| 1 | 6-A | 36 | IDS | O6B-C6-C5 | 3.03 | 121.69 | 113.03 |
| 1 | 2-A | 36 | IDS | O6B-C6-C5 | 3.03 | 121.69 | 113.03 |
| 1 | 7-A | 36 | IDS | O6B-C6-C5 | 3.03 | 121.68 | 113.03 |
| 1 | 14-A | 36 | IDS | O6B-C6-C5 | 3.03 | 121.67 | 113.03 |
| 1 | 8-A | 36 | IDS | O6B-C6-C5 | 3.02 | 121.66 | 113.03 |
| 1 | 11-A | 36 | IDS | O6B-C6-C5 | 3.02 | 121.65 | 113.03 |
| 1 | 10-A | 36 | IDS | O6B-C6-C5 | 3.02 | 121.65 | 113.03 |
| 1 | 3-A | 36 | IDS | O6B-C6-C5 | 3.01 | 121.63 | 113.03 |
| 1 | 4-A | 36 | IDS | O6B-C6-C5 | 3.01 | 121.63 | 113.03 |
| 1 | 9-A | 36 | IDS | O6B-C6-C5 | 3.01 | 121.63 | 113.03 |
| 1 | 1-A | 9 | SGN | O1S-S1-O2S | -2.92 | 113.27 | 120.16 |
| 1 | 8-A | 33 | SGN | O1S-S1-O2S | -2.91 | 113.28 | 120.16 |
| 1 | 11-A | 19 | SGN | O1S-S1-O2S | -2.91 | 113.29 | 120.16 |
| 1 | 9-A | 7 | SGN | O1S-S1-O2S | -2.91 | 113.29 | 120.16 |
| 1 | 8-A | 19 | SGN | O1S-S1-O2S | -2.91 | 113.29 | 120.16 |
| 1 | 14-A | 27 | SGN | O1S-S1-O2S | -2.91 | 113.29 | 120.16 |
| 1 | 3-A | 33 | SGN | O1S-S1-O2S | -2.91 | 113.29 | 120.16 |
| 1 | 9-A | 33 | SGN | O1S-S1-O2S | -2.91 | 113.29 | 120.16 |
| 1 | 6-A | 29 | SGN | O1S-S1-O2S | -2.90 | 113.30 | 120.16 |
| 1 | 7-A | 9 | SGN | O1S-S1-O2S | -2.90 | 113.30 | 120.16 |
| 1 | 13-A | 19 | SGN | O1S-S1-O2S | -2.90 | 113.30 | 120.16 |
| 1 | 9-A | 9 | SGN | O1S-S1-O2S | -2.90 | 113.30 | 120.16 |
| 1 | 7-A | 17 | SGN | O1S-S1-O2S | -2.90 | 113.30 | 120.16 |
| 1 | 7-A | 19 | SGN | O1S-S1-O2S | -2.90 | 113.31 | 120.16 |
| 1 | 1-A | 27 | SGN | O1S-S1-O2S | -2.90 | 113.31 | 120.16 |
| 1 | 6-A | 19 | SGN | O1S-S1-O2S | -2.90 | 113.31 | 120.16 |
| 1 | 13-A | 17 | SGN | O1S-S1-O2S | -2.90 | 113.31 | 120.16 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 1 | 11-A | 27 | SGN | O1S-S1-O2S | -2.90 | 113.31 | 120.16 |
| 1 | 12-A | 27 | SGN | O1S-S1-O2S | -2.90 | 113.31 | 120.16 |
| 1 | 2-A | 29 | SGN | O1S-S1-O2S | -2.90 | 113.31 | 120.16 |
| 1 | 11-A | 29 | SGN | O1S-S1-O2S | -2.90 | 113.32 | 120.16 |
| 1 | 1-A | 19 | SGN | O1S-S1-O2S | -2.89 | 113.32 | 120.16 |
| 1 | 12-A | 9 | SGN | O1S-S1-O2S | -2.89 | 113.32 | 120.16 |
| 1 | 10-A | 33 | SGN | O1S-S1-O2S | -2.89 | 113.32 | 120.16 |
| 1 | 5-A | 19 | SGN | O1S-S1-O2S | -2.89 | 113.33 | 120.16 |
| 1 | 3-A | 3 | SGN | O1S-S1-O2S | -2.89 | 113.33 | 120.16 |
| 1 | 6-A | 3 | SGN | O1S-S1-O2S | -2.89 | 113.33 | 120.16 |
| 1 | 14-A | 21 | SGN | O1S-S1-O2S | -2.89 | 113.33 | 120.16 |
| 1 | 10-A | 9 | SGN | O1S-S1-O2S | -2.89 | 113.33 | 120.16 |
| 1 | 4-A | 33 | SGN | O1S-S1-O2S | -2.89 | 113.33 | 120.16 |
| 1 | 12-A | 19 | SGN | O1S-S1-O2S | -2.89 | 113.34 | 120.16 |
| 1 | 14-A | 9 | SGN | O1S-S1-O2S | -2.89 | 113.34 | 120.16 |
| 1 | 3-A | 19 | SGN | O1S-S1-O2S | -2.89 | 113.34 | 120.16 |
| 1 | 11-A | 33 | SGN | O1S-S1-O2S | -2.89 | 113.34 | 120.16 |
| 1 | 5-A | 7 | SGN | O1S-S1-O2S | -2.89 | 113.34 | 120.16 |
| 1 | 2-A | 9 | SGN | O1S-S1-O2S | -2.89 | 113.34 | 120.16 |
| 1 | 4-A | 9 | SGN | O1S-S1-O2S | -2.89 | 113.34 | 120.16 |
| 1 | 3-A | 29 | SGN | O1S-S1-O2S | -2.89 | 113.34 | 120.16 |
| 1 | 4-A | 19 | SGN | O1S-S1-O2S | -2.89 | 113.34 | 120.16 |
| 1 | 12-A | 35 | SGN | O1S-S1-O2S | -2.89 | 113.34 | 120.16 |
| 1 | 8-A | 7 | SGN | O1S-S1-O2S | -2.88 | 113.34 | 120.16 |
| 1 | 2-A | 33 | SGN | O1S-S1-O2S | -2.88 | 113.34 | 120.16 |
| 1 | 5-A | 33 | SGN | O1S-S1-O2S | -2.88 | 113.34 | 120.16 |
| 1 | 6-A | 7 | SGN | O1S-S1-O2S | -2.88 | 113.34 | 120.16 |
| 1 | 12-A | 17 | SGN | O1S-S1-O2S | -2.88 | 113.35 | 120.16 |
| 1 | 10-A | 21 | SGN | O1S-S1-O2S | -2.88 | 113.35 | 120.16 |
| 1 | 6-A | 9 | SGN | O1S-S1-O2S | -2.88 | 113.35 | 120.16 |
| 1 | 1-A | 29 | SGN | O1S-S1-O2S | -2.88 | 113.35 | 120.16 |
| 1 | 12-A | 33 | SGN | O1S-S1-O2S | -2.88 | 113.35 | 120.16 |
| 1 | 4-A | 7 | SGN | O1S-S1-O2S | -2.88 | 113.35 | 120.16 |
| 1 | 11-A | 7 | SGN | O1S-S1-O2S | -2.88 | 113.35 | 120.16 |
| 1 | 13-A | 31 | SGN | O1S-S1-O2S | -2.88 | 113.35 | 120.16 |
| 1 | 11-A | 21 | SGN | O1S-S1-O2S | -2.88 | 113.35 | 120.16 |
| 1 | 10-A | 31 | SGN | O1S-S1-O2S | -2.88 | 113.35 | 120.16 |
| 1 | 8-A | 9 | SGN | O1S-S1-O2S | -2.88 | 113.35 | 120.16 |
| 1 | 2-A | 7 | SGN | O1S-S1-O2S | -2.88 | 113.35 | 120.16 |
| 1 | 13-A | 15 | SGN | O1S-S1-O2S | -2.88 | 113.35 | 120.16 |
| 1 | 14-A | 19 | SGN | O1S-S1-O2S | -2.88 | 113.35 | 120.16 |
| 1 | 3-A | 31 | SGN | O1S-S1-O2S | -2.88 | 113.35 | 120.16 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 1 | 13-A | 13 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 9-A | 21 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 10-A | 29 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 2-A | 23 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 4-A | 27 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 12-A | 7 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 3-A | 17 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 3-A | 27 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 5-A | 3 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 12-A | 5 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 2-A | 21 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 10-A | 27 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 14-A | 33 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 9-A | 11 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 12-A | 21 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 2-A | 27 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 4-A | 13 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 13-A | 21 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 1-A | 13 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 9-A | 13 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 11-A | 1 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 9-A | 23 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 14-A | 3 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 14-A | 7 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 11-A | 11 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 10-A | 17 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 6-A | 33 | SGN | O1S-S1-O2S | -2.88 | 113.36 | 120.16 |
| 1 | 6-A | 17 | SGN | O1S-S1-O2S | -2.87 | 113.37 | 120.16 |
| 1 | 5-A | 27 | SGN | O1S-S1-O2S | -2.87 | 113.37 | 120.16 |
| 1 | 6-A | 23 | SGN | O1S-S1-O2S | -2.87 | 113.37 | 120.16 |
| 1 | 10-A | 19 | SGN | O1S-S1-O2S | -2.87 | 113.37 | 120.16 |
| 1 | 5-A | 9 | SGN | O1S-S1-O2S | -2.87 | 113.37 | 120.16 |
| 1 | 11-A | 31 | SGN | O1S-S1-O2S | -2.87 | 113.37 | 120.16 |
| 1 | 7-A | 7 | SGN | O1S-S1-O2S | -2.87 | 113.37 | 120.16 |
| 1 | 7-A | 13 | SGN | O1S-S1-O2S | -2.87 | 113.37 | 120.16 |
| 1 | 8-A | 27 | SGN | O1S-S1-O2S | -2.87 | 113.37 | 120.16 |
| 1 | 14-A | 15 | SGN | O1S-S1-O2S | -2.87 | 113.37 | 120.16 |
| 1 | 13-A | 23 | SGN | O1S-S1-O2S | -2.87 | 113.37 | 120.16 |
| 1 | 4-A | 1 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 3-A | 9 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 11-A | 9 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 8-A | 23 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 1 | 6-A | 27 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 12-A | 3 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 13-A | 27 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 10-A | 7 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 10-A | 25 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 6-A | 21 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 4-A | 17 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 12-A | 29 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 13-A | 9 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 3-A | 7 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 7-A | 21 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 13-A | 33 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 14-A | 35 | SGN | O1S-S1-O2S | -2.87 | 113.38 | 120.16 |
| 1 | 6-A | 11 | SGN | O1S-S1-O2S | -2.87 | 113.39 | 120.16 |
| 1 | 5-A | 13 | SGN | O1S-S1-O2S | -2.87 | 113.39 | 120.16 |
| 1 | 6-A | 13 | SGN | O1S-S1-O2S | -2.87 | 113.39 | 120.16 |
| 1 | 3-A | 23 | SGN | O1S-S1-O2S | -2.87 | 113.39 | 120.16 |
| 1 | 4-A | 29 | SGN | O1S-S1-O2S | -2.87 | 113.39 | 120.16 |
| 1 | 5-A | 17 | SGN | O1S-S1-O2S | -2.87 | 113.39 | 120.16 |
| 1 | 9-A | 19 | SGN | O1S-S1-O2S | -2.87 | 113.39 | 120.16 |
| 1 | 8-A | 21 | SGN | O1S-S1-O2S | -2.87 | 113.39 | 120.16 |
| 1 | 2-A | 15 | SGN | O1S-S1-O2S | -2.87 | 113.39 | 120.16 |
| 1 | 4-A | 23 | SGN | O1S-S1-O2S | -2.87 | 113.39 | 120.16 |
| 1 | 7-A | 23 | SGN | O1S-S1-O2S | -2.87 | 113.39 | 120.16 |
| 1 | 13-A | 29 | SGN | O1S-S1-O2S | -2.87 | 113.39 | 120.16 |
| 1 | 2-A | 31 | SGN | O1S-S1-O2S | -2.87 | 113.39 | 120.16 |
| 1 | 4-A | 21 | SGN | O1S-S1-O2S | -2.87 | 113.39 | 120.16 |
| 1 | 1-A | 21 | SGN | O1S-S1-O2S | -2.86 | 113.39 | 120.16 |
| 1 | 9-A | 1 | SGN | O1S-S1-O2S | -2.86 | 113.39 | 120.16 |
| 1 | 8-A | 17 | SGN | O1S-S1-O2S | -2.86 | 113.39 | 120.16 |
| 1 | 1-A | 15 | SGN | O1S-S1-O2S | -2.86 | 113.39 | 120.16 |
| 1 | 8-A | 3 | SGN | O1S-S1-O2S | -2.86 | 113.39 | 120.16 |
| 1 | 7-A | 1 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 5-A | 21 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 4-A | 31 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 10-A | 35 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 5-A | 1 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 12-A | 23 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 14-A | 5 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 1-A | 33 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 7-A | 11 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 1-A | 17 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 1 | 12-A | 31 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 14-A | 23 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 2-A | 5 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 12-A | 13 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 5-A | 15 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 7-A | 27 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 14-A | 17 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 4-A | 25 | SGN | O1S-S1-O2S | -2.86 | 113.40 | 120.16 |
| 1 | 10-A | 13 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 2-A | 25 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 7-A | 29 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 4-A | 35 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 8-A | 5 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 8-A | 15 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 10-A | 23 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 9-A | 35 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 1-A | 7 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 8-A | 13 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 1-A | 23 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 8-A | 29 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 14-A | 29 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 13-A | 3 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 3-A | 21 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 11-A | 35 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 13-A | 35 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 5-A | 23 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 11-A | 23 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 7-A | 33 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 7-A | 35 | SGN | O1S-S1-O2S | -2.86 | 113.41 | 120.16 |
| 1 | 9-A | 5 | SGN | O1S-S1-O2S | -2.85 | 113.41 | 120.16 |
| 1 | 9-A | 27 | SGN | O1S-S1-O2S | -2.85 | 113.41 | 120.16 |
| 1 | 2-A | 35 | SGN | O1S-S1-O2S | -2.85 | 113.41 | 120.16 |
| 1 | 2-A | 19 | SGN | O1S-S1-O2S | -2.85 | 113.41 | 120.16 |
| 1 | 9-A | 29 | SGN | O1S-S1-O2S | -2.85 | 113.42 | 120.16 |
| 1 | 1-A | 35 | SGN | O1S-S1-O2S | -2.85 | 113.42 | 120.16 |
| 1 | 10-A | 3 | SGN | O1S-S1-O2S | -2.85 | 113.42 | 120.16 |
| 1 | 11-A | 5 | SGN | O1S-S1-O2S | -2.85 | 113.42 | 120.16 |
| 1 | 3-A | 15 | SGN | O1S-S1-O2S | -2.85 | 113.42 | 120.16 |
| 1 | 2-A | 17 | SGN | O1S-S1-O2S | -2.85 | 113.42 | 120.16 |
| 1 | 12-A | 25 | SGN | O1S-S1-O2S | -2.85 | 113.42 | 120.16 |
| 1 | 11-A | 17 | SGN | O1S-S1-O2S | -2.85 | 113.42 | 120.16 |
| 1 | 10-A | 1 | SGN | O1S-S1-O2S | -2.85 | 113.42 | 120.16 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 1 | 14-A | 1 | SGN | O1S-S1-O2S | -2.85 | 113.42 | 120.16 |
| 1 | 9-A | 15 | SGN | O1S-S1-O2S | -2.85 | 113.42 | 120.16 |
| 1 | 14-A | 26 | IDS | O6B-C6-O6A | -2.85 | 117.61 | 124.09 |
| 1 | 2-A | 1 | SGN | O1S-S1-O2S | -2.85 | 113.42 | 120.16 |
| 1 | 11-A | 13 | SGN | O1S-S1-O2S | -2.85 | 113.42 | 120.16 |
| 1 | 13-A | 7 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 6-A | 15 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 8-A | 1 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 4-A | 15 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 5-A | 31 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 1-A | 3 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 12-A | 15 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 7-A | 31 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 3-A | 35 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 3-A | 1 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 10-A | 6 | IDS | O6B-C6-O6A | -2.85 | 117.62 | 124.09 |
| 1 | 5-A | 5 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 8-A | 31 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 9-A | 31 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 14-A | 13 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 8-A | 26 | IDS | O6B-C6-O6A | -2.85 | 117.62 | 124.09 |
| 1 | 10-A | 11 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 7-A | 25 | SGN | O1S-S1-O2S | -2.85 | 113.43 | 120.16 |
| 1 | 2-A | 13 | SGN | O1S-S1-O2S | -2.85 | 113.44 | 120.16 |
| 1 | 6-A | 1 | SGN | O1S-S1-O2S | -2.84 | 113.44 | 120.16 |
| 1 | 9-A | 17 | SGN | O1S-S1-O2S | -2.84 | 113.44 | 120.16 |
| 1 | 7-A | 3 | SGN | O1S-S1-O2S | -2.84 | 113.44 | 120.16 |
| 1 | 13-A | 5 | SGN | O1S-S1-O2S | -2.84 | 113.44 | 120.16 |
| 1 | 7-A | 15 | SGN | O1S-S1-O2S | -2.84 | 113.44 | 120.16 |
| 1 | 14-A | 25 | SGN | O1S-S1-O2S | -2.84 | 113.44 | 120.16 |
| 1 | 3-A | 11 | SGN | O1S-S1-O2S | -2.84 | 113.44 | 120.16 |
| 1 | 5-A | 11 | SGN | O1S-S1-O2S | -2.84 | 113.44 | 120.16 |
| 1 | 2-A | 3 | SGN | O1S-S1-O2S | -2.84 | 113.44 | 120.16 |
| 1 | 4-A | 20 | IDS | O6B-C6-O6A | -2.84 | 117.64 | 124.09 |
| 1 | 8-A | 25 | SGN | O1S-S1-O2S | -2.84 | 113.45 | 120.16 |
| 1 | 1-A | 31 | SGN | O1S-S1-O2S | -2.84 | 113.45 | 120.16 |
| 1 | 8-A | 11 | SGN | O1S-S1-O2S | -2.84 | 113.45 | 120.16 |
| 1 | 14-A | 11 | SGN | O1S-S1-O2S | -2.84 | 113.45 | 120.16 |
| 1 | 10-A | 15 | SGN | O1S-S1-O2S | -2.84 | 113.45 | 120.16 |
| 1 | 11-A | 26 | IDS | O6B-C6-O6A | -2.84 | 117.64 | 124.09 |
| 1 | 13-A | 1 | SGN | O1S-S1-O2S | -2.84 | 113.45 | 120.16 |
| 1 | 1-A | 5 | SGN | O1S-S1-O2S | -2.84 | 113.45 | 120.16 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 1 | 13-A | 11 | SGN | O1S-S1-O2S | -2.84 | 113.45 | 120.16 |
| 1 | 9-A | 3 | SGN | O1S-S1-O2S | -2.84 | 113.45 | 120.16 |
| 1 | 4-A | 11 | SGN | O1S-S1-O2S | -2.84 | 113.45 | 120.16 |
| 1 | 8-A | 35 | SGN | O1S-S1-O2S | -2.84 | 113.45 | 120.16 |
| 1 | 1-A | 11 | SGN | O1S-S1-O2S | -2.84 | 113.46 | 120.16 |
| 1 | 4-A | 5 | SGN | O1S-S1-O2S | -2.84 | 113.46 | 120.16 |
| 1 | 3-A | 13 | SGN | O1S-S1-O2S | -2.83 | 113.46 | 120.16 |
| 1 | 5-A | 29 | SGN | O1S-S1-O2S | -2.83 | 113.46 | 120.16 |
| 1 | 12-A | 1 | SGN | O1S-S1-O2S | -2.83 | 113.46 | 120.16 |
| 1 | 6-A | 31 | SGN | O1S-S1-O2S | -2.83 | 113.46 | 120.16 |
| 1 | 3-A | 26 | IDS | O6B-C6-O6A | -2.83 | 117.65 | 124.09 |
| 1 | 12-A | 11 | SGN | O1S-S1-O2S | -2.83 | 113.46 | 120.16 |
| 1 | 14-A | 31 | SGN | O1S-S1-O2S | -2.83 | 113.46 | 120.16 |
| 1 | 11-A | 15 | SGN | O1S-S1-O2S | -2.83 | 113.46 | 120.16 |
| 1 | 13-A | 6 | IDS | O6B-C6-O6A | -2.83 | 117.66 | 124.09 |
| 1 | 6-A | 5 | SGN | O1S-S1-O2S | -2.83 | 113.47 | 120.16 |
| 1 | 4-A | 6 | IDS | O6B-C6-O6A | -2.83 | 117.66 | 124.09 |
| 1 | 3-A | 25 | SGN | O1S-S1-O2S | -2.83 | 113.47 | 120.16 |
| 1 | 1-A | 1 | SGN | O1S-S1-O2S | -2.83 | 113.47 | 120.16 |
| 1 | 5-A | 35 | SGN | O1S-S1-O2S | -2.83 | 113.47 | 120.16 |
| 1 | 2-A | 11 | SGN | O1S-S1-O2S | -2.83 | 113.48 | 120.16 |
| 1 | 2-A | 6 | IDS | O6B-C6-O6A | -2.83 | 117.67 | 124.09 |
| 1 | 3-A | 6 | IDS | O6B-C6-O6A | -2.83 | 117.67 | 124.09 |
| 1 | 4-A | 3 | SGN | O1S-S1-O2S | -2.83 | 113.48 | 120.16 |
| 1 | 7-A | 5 | SGN | O1S-S1-O2S | -2.83 | 113.48 | 120.16 |
| 1 | 7-A | 10 | IDS | O6B-C6-O6A | -2.83 | 117.67 | 124.09 |
| 1 | 6-A | 35 | SGN | O1S-S1-O2S | -2.83 | 113.48 | 120.16 |
| 1 | 11-A | 20 | IDS | O6B-C6-O6A | -2.83 | 117.67 | 124.09 |
| 1 | 4-A | 10 | IDS | O6B-C6-O6A | -2.83 | 117.67 | 124.09 |
| 1 | 10-A | 16 | IDS | O6B-C6-O6A | -2.82 | 117.67 | 124.09 |
| 1 | 10-A | 5 | SGN | O1S-S1-O2S | -2.82 | 113.48 | 120.16 |
| 1 | 5-A | 25 | SGN | O1S-S1-O2S | -2.82 | 113.48 | 120.16 |
| 1 | 3-A | 5 | SGN | O1S-S1-O2S | -2.82 | 113.49 | 120.16 |
| 1 | 9-A | 25 | SGN | O1S-S1-O2S | -2.82 | 113.49 | 120.16 |
| 1 | 14-A | 6 | IDS | O6B-C6-O6A | -2.82 | 117.68 | 124.09 |
| 1 | 9-A | 10 | IDS | O6B-C6-O6A | -2.82 | 117.68 | 124.09 |
| 1 | 14-A | 20 | IDS | O6B-C6-O6A | -2.82 | 117.68 | 124.09 |
| 1 | 11-A | 3 | SGN | O1S-S1-O2S | -2.82 | 113.49 | 120.16 |
| 1 | 7-A | 6 | IDS | O6B-C6-O6A | -2.82 | 117.68 | 124.09 |
| 1 | 7-A | 20 | IDS | O6B-C6-O6A | -2.82 | 117.68 | 124.09 |
| 1 | 7-A | 36 | IDS | O6B-C6-O6A | -2.82 | 117.68 | 124.09 |
| 1 | 11-A | 25 | SGN | O1S-S1-O2S | -2.82 | 113.50 | 120.16 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 1 | 13-A | 26 | IDS | O6B-C6-O6A | -2.82 | 117.69 | 124.09 |
| 1 | 1-A | 25 | SGN | O1S-S1-O2S | -2.82 | 113.50 | 120.16 |
| 1 | 13-A | 25 | SGN | O1S-S1-O2S | -2.82 | 113.50 | 120.16 |
| 1 | 1-A | 26 | IDS | O6B-C6-O6A | -2.82 | 117.69 | 124.09 |
| 1 | 11-A | 10 | IDS | O6B-C6-O6A | -2.82 | 117.69 | 124.09 |
| 1 | 12-A | 6 | IDS | O6B-C6-O6A | -2.82 | 117.69 | 124.09 |
| 1 | 6-A | 25 | SGN | O1S-S1-O2S | -2.81 | 113.51 | 120.16 |
| 1 | 8-A | 6 | IDS | O6B-C6-O6A | -2.81 | 117.70 | 124.09 |
| 1 | 3-A | 16 | IDS | O6B-C6-O6A | -2.81 | 117.70 | 124.09 |
| 1 | 9-A | 6 | IDS | O6B-C6-O6A | -2.81 | 117.70 | 124.09 |
| 1 | 13-A | 10 | IDS | O6B-C6-O6A | -2.81 | 117.70 | 124.09 |
| 1 | 4-A | 14 | IDS | O6B-C6-O6A | -2.81 | 117.70 | 124.09 |
| 1 | 9-A | 26 | IDS | O6B-C6-O6A | -2.81 | 117.70 | 124.09 |
| 1 | 12-A | 26 | IDS | O6B-C6-O6A | -2.81 | 117.70 | 124.09 |
| 1 | 10-A | 20 | IDS | O6B-C6-O6A | -2.81 | 117.70 | 124.09 |
| 1 | 9-A | 16 | IDS | O6B-C6-O6A | -2.81 | 117.70 | 124.09 |
| 1 | 13-A | 16 | IDS | O6B-C6-O6A | -2.81 | 117.70 | 124.09 |
| 1 | 6-A | 36 | IDS | O6B-C6-O6A | -2.81 | 117.70 | 124.09 |
| 1 | 13-A | 4 | IDS | O6B-C6-O6A | -2.81 | 117.70 | 124.09 |
| 1 | 4-A | 4 | IDS | O6B-C6-O6A | -2.81 | 117.71 | 124.09 |
| 1 | 2-A | 16 | IDS | O6B-C6-O6A | -2.81 | 117.71 | 124.09 |
| 1 | 10-A | 26 | IDS | O6B-C6-O6A | -2.81 | 117.71 | 124.09 |
| 1 | 5-A | 6 | IDS | O6B-C6-O6A | -2.81 | 117.71 | 124.09 |
| 1 | 1-A | 10 | IDS | O6B-C6-O6A | -2.81 | 117.72 | 124.09 |
| 1 | 7-A | 12 | IDS | O6B-C6-O6A | -2.81 | 117.72 | 124.09 |
| 1 | 4-A | 16 | IDS | O6B-C6-O6A | -2.81 | 117.72 | 124.09 |
| 1 | 2-A | 20 | IDS | O6B-C6-O6A | -2.81 | 117.72 | 124.09 |
| 1 | 6-A | 20 | IDS | O6B-C6-O6A | -2.81 | 117.72 | 124.09 |
| 1 | 1-A | 6 | IDS | O6B-C6-O6A | -2.80 | 117.72 | 124.09 |
| 1 | 6-A | 6 | IDS | O6B-C6-O6A | -2.80 | 117.72 | 124.09 |
| 1 | 12-A | 30 | IDS | O6B-C6-O6A | -2.80 | 117.72 | 124.09 |
| 1 | 4-A | 26 | IDS | O6B-C6-O6A | -2.80 | 117.72 | 124.09 |
| 1 | 2-A | 10 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |
| 1 | 5-A | 10 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |
| 1 | 5-A | 36 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |
| 1 | 10-A | 10 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |
| 1 | 7-A | 26 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |
| 1 | 2-A | 36 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |
| 1 | 14-A | 16 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |
| 1 | 13-A | 20 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |
| 1 | 5-A | 26 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |
| 1 | 3-A | 10 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 1 | 12-A | 36 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |
| 1 | 14-A | 36 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |
| 1 | 9-A | 20 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |
| 1 | 1-A | 16 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |
| 1 | 12-A | 16 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |
| 1 | 1-A | 36 | IDS | O6B-C6-O6A | -2.80 | 117.73 | 124.09 |
| 1 | 14-A | 12 | IDS | O6B-C6-O6A | -2.80 | 117.74 | 124.09 |
| 1 | 12-A | 20 | IDS | O6B-C6-O6A | -2.80 | 117.74 | 124.09 |
| 1 | 10-A | 36 | IDS | O6B-C6-O6A | -2.80 | 117.74 | 124.09 |
| 1 | 3-A | 36 | IDS | O6B-C6-O6A | -2.79 | 117.74 | 124.09 |
| 1 | 12-A | 10 | IDS | O6B-C6-O6A | -2.79 | 117.74 | 124.09 |
| 1 | 11-A | 24 | IDS | O6B-C6-O6A | -2.79 | 117.74 | 124.09 |
| 1 | 12-A | 12 | IDS | O6B-C6-O6A | -2.79 | 117.75 | 124.09 |
| 1 | 7-A | 16 | IDS | O6B-C6-O6A | -2.79 | 117.75 | 124.09 |
| 1 | 6-A | 8 | IDS | O6B-C6-O6A | -2.79 | 117.75 | 124.09 |
| 1 | 12-A | 2 | IDS | O6B-C6-O6A | -2.79 | 117.75 | 124.09 |
| 1 | 3-A | 32 | IDS | O6B-C6-O6A | -2.79 | 117.75 | 124.09 |
| 1 | 12-A | 34 | IDS | O6B-C6-O6A | -2.79 | 117.75 | 124.09 |
| 1 | 10-A | 30 | IDS | O6B-C6-O6A | -2.79 | 117.75 | 124.09 |
| 1 | 5-A | 16 | IDS | O6B-C6-O6A | -2.79 | 117.75 | 124.09 |
| 1 | 6-A | 26 | IDS | O6B-C6-O6A | -2.79 | 117.75 | 124.09 |
| 1 | 13-A | 36 | IDS | O6B-C6-O6A | -2.79 | 117.75 | 124.09 |
| 1 | 1-A | 20 | IDS | O6B-C6-O6A | -2.79 | 117.75 | 124.09 |
| 1 | 5-A | 20 | IDS | O6B-C6-O6A | -2.79 | 117.75 | 124.09 |
| 1 | 8-A | 16 | IDS | O6B-C6-O6A | -2.79 | 117.75 | 124.09 |
| 1 | 11-A | 28 | IDS | O6B-C6-O6A | -2.79 | 117.75 | 124.09 |
| 1 | 9-A | 36 | IDS | O6B-C6-O6A | -2.79 | 117.75 | 124.09 |
| 1 | 10-A | 2 | IDS | O6B-C6-O6A | -2.79 | 117.76 | 124.09 |
| 1 | 3-A | 20 | IDS | O6B-C6-O6A | -2.79 | 117.76 | 124.09 |
| 1 | 11-A | 6 | IDS | O6B-C6-O6A | -2.79 | 117.76 | 124.09 |
| 1 | 11-A | 12 | IDS | O6B-C6-O6A | -2.79 | 117.76 | 124.09 |
| 1 | 9-A | 4 | IDS | O6B-C6-O6A | -2.79 | 117.76 | 124.09 |
| 1 | 5-A | 8 | IDS | O6B-C6-O6A | -2.79 | 117.76 | 124.09 |
| 1 | 10-A | 8 | IDS | O6B-C6-O6A | -2.79 | 117.76 | 124.09 |
| 1 | 8-A | 10 | IDS | O6B-C6-O6A | -2.79 | 117.77 | 124.09 |
| 1 | 14-A | 10 | IDS | O6B-C6-O6A | -2.79 | 117.77 | 124.09 |
| 1 | 8-A | 20 | IDS | O6B-C6-O6A | -2.79 | 117.77 | 124.09 |
| 1 | 11-A | 36 | IDS | O6B-C6-O6A | -2.79 | 117.77 | 124.09 |
| 1 | 8-A | 30 | IDS | O6B-C6-O6A | -2.78 | 117.77 | 124.09 |
| 1 | 4-A | 2 | IDS | O6B-C6-O6A | -2.78 | 117.77 | 124.09 |
| 1 | 7-A | 4 | IDS | O6B-C6-O6A | -2.78 | 117.77 | 124.09 |
| 1 | 1-A | 12 | IDS | O6B-C6-O6A | -2.78 | 117.77 | 124.09 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 1 | 1-A | 32 | IDS | O6B-C6-O6A | -2.78 | 117.77 | 124.09 |
| 1 | 1-A | 2 | IDS | O6B-C6-O6A | -2.78 | 117.77 | 124.09 |
| 1 | 7-A | 30 | IDS | O6B-C6-O6A | -2.78 | 117.77 | 124.09 |
| 1 | 1-A | 4 | IDS | O6B-C6-O6A | -2.78 | 117.77 | 124.09 |
| 1 | 6-A | 4 | IDS | O6B-C6-O6A | -2.78 | 117.77 | 124.09 |
| 1 | 6-A | 34 | IDS | O6B-C6-O6A | -2.78 | 117.78 | 124.09 |
| 1 | 10-A | 12 | IDS | O6B-C6-O6A | -2.78 | 117.78 | 124.09 |
| 1 | 9-A | 18 | IDS | O6B-C6-O6A | -2.78 | 117.78 | 124.09 |
| 1 | 14-A | 8 | IDS | O6B-C6-O6A | -2.78 | 117.78 | 124.09 |
| 1 | 1-A | 30 | IDS | O6B-C6-O6A | -2.78 | 117.78 | 124.09 |
| 1 | 13-A | 22 | IDS | O6B-C6-O6A | -2.78 | 117.78 | 124.09 |
| 1 | 8-A | 4 | IDS | O6B-C6-O6A | -2.78 | 117.78 | 124.09 |
| 1 | 4-A | 24 | IDS | O6B-C6-O6A | -2.78 | 117.78 | 124.09 |
| 1 | 3-A | 30 | IDS | O6B-C6-O6A | -2.78 | 117.78 | 124.09 |
| 1 | 1-A | 28 | IDS | O6B-C6-O6A | -2.78 | 117.79 | 124.09 |
| 1 | 13-A | 30 | IDS | O6B-C6-O6A | -2.78 | 117.79 | 124.09 |
| 1 | 10-A | 4 | IDS | O6B-C6-O6A | -2.77 | 117.79 | 124.09 |
| 1 | 2-A | 2 | IDS | O6B-C6-O6A | -2.77 | 117.79 | 124.09 |
| 1 | 1-A | 8 | IDS | O6B-C6-O6A | -2.77 | 117.79 | 124.09 |
| 1 | 6-A | 30 | IDS | O6B-C6-O6A | -2.77 | 117.79 | 124.09 |
| 1 | 2-A | 24 | IDS | O6B-C6-O6A | -2.77 | 117.79 | 124.09 |
| 1 | 9-A | 12 | IDS | O6B-C6-O6A | -2.77 | 117.80 | 124.09 |
| 1 | 10-A | 18 | IDS | O6B-C6-O6A | -2.77 | 117.80 | 124.09 |
| 1 | 2-A | 26 | IDS | O6B-C6-O6A | -2.77 | 117.80 | 124.09 |
| 1 | 3-A | 4 | IDS | O6B-C6-O6A | -2.77 | 117.80 | 124.09 |
| 1 | 1-A | 18 | IDS | O6B-C6-O6A | -2.77 | 117.80 | 124.09 |
| 1 | 6-A | 14 | IDS | O6B-C6-O6A | -2.77 | 117.80 | 124.09 |
| 1 | 11-A | 14 | IDS | O6B-C6-O6A | -2.77 | 117.80 | 124.09 |
| 1 | 5-A | 30 | IDS | O6B-C6-O6A | -2.77 | 117.80 | 124.09 |
| 1 | 11-A | 30 | IDS | O6B-C6-O6A | -2.77 | 117.80 | 124.09 |
| 1 | 3-A | 14 | IDS | O6B-C6-O6A | -2.77 | 117.80 | 124.09 |
| 1 | 5-A | 14 | IDS | O6B-C6-O6A | -2.77 | 117.80 | 124.09 |
| 1 | 10-A | 24 | IDS | O6B-C6-O6A | -2.77 | 117.80 | 124.09 |
| 1 | 3-A | 18 | IDS | O6B-C6-O6A | -2.77 | 117.80 | 124.09 |
| 1 | 9-A | 28 | IDS | O6B-C6-O6A | -2.77 | 117.80 | 124.09 |
| 1 | 4-A | 32 | IDS | O6B-C6-O6A | -2.77 | 117.80 | 124.09 |
| 1 | 6-A | 28 | IDS | O6B-C6-O6A | -2.77 | 117.81 | 124.09 |
| 1 | 11-A | 18 | IDS | O6B-C6-O6A | -2.77 | 117.81 | 124.09 |
| 1 | 9-A | 24 | IDS | O6B-C6-O6A | -2.77 | 117.81 | 124.09 |
| 1 | 6-A | 16 | IDS | O6B-C6-O6A | -2.77 | 117.81 | 124.09 |
| 1 | 6-A | 22 | IDS | O6B-C6-O6A | -2.77 | 117.81 | 124.09 |
| 1 | 5-A | 18 | IDS | O6B-C6-O6A | -2.77 | 117.81 | 124.09 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 1 | 14-A | 28 | IDS | O6B-C6-O6A | -2.77 | 117.81 | 124.09 |
| 1 | 7-A | 14 | IDS | O6B-C6-O6A | -2.77 | 117.81 | 124.09 |
| 1 | 2-A | 8 | IDS | O6B-C6-O6A | -2.77 | 117.81 | 124.09 |
| 1 | 4-A | 28 | IDS | O6B-C6-O6A | -2.77 | 117.81 | 124.09 |
| 1 | 12-A | 32 | IDS | O6B-C6-O6A | -2.77 | 117.81 | 124.09 |
| 1 | 4-A | 36 | IDS | O6B-C6-O6A | -2.77 | 117.81 | 124.09 |
| 1 | 2-A | 30 | IDS | O6B-C6-O6A | -2.76 | 117.81 | 124.09 |
| 1 | 8-A | 36 | IDS | O6B-C6-O6A | -2.76 | 117.81 | 124.09 |
| 1 | 10-A | 28 | IDS | O6B-C6-O6A | -2.76 | 117.81 | 124.09 |
| 1 | 12-A | 8 | IDS | O6B-C6-O6A | -2.76 | 117.81 | 124.09 |
| 1 | 12-A | 4 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 12-A | 28 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 3-A | 2 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 11-A | 8 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 13-A | 8 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 14-A | 14 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 5-A | 4 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 11-A | 16 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 6-A | 12 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 13-A | 12 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 1-A | 14 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 8-A | 14 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 5-A | 32 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 7-A | 8 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 4-A | 12 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 1-A | 34 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 10-A | 32 | IDS | O6B-C6-O6A | -2.76 | 117.82 | 124.09 |
| 1 | 4-A | 30 | IDS | O6B-C6-O6A | -2.76 | 117.83 | 124.09 |
| 1 | 13-A | 34 | IDS | O6B-C6-O6A | -2.76 | 117.83 | 124.09 |
| 1 | 14-A | 4 | IDS | O6B-C6-O6A | -2.76 | 117.83 | 124.09 |
| 1 | 7-A | 28 | IDS | O6B-C6-O6A | -2.76 | 117.83 | 124.09 |
| 1 | 4-A | 34 | IDS | O6B-C6-O6A | -2.76 | 117.83 | 124.09 |
| 1 | 6-A | 10 | IDS | O6B-C6-O6A | -2.76 | 117.83 | 124.09 |
| 1 | 7-A | 32 | IDS | O6B-C6-O6A | -2.76 | 117.83 | 124.09 |
| 1 | 1-A | 24 | IDS | O6B-C6-O6A | -2.76 | 117.83 | 124.09 |
| 1 | 5-A | 28 | IDS | O6B-C6-O6A | -2.76 | 117.83 | 124.09 |
| 1 | 4-A | 8 | IDS | O6B-C6-O6A | -2.76 | 117.83 | 124.09 |
| 1 | 5-A | 34 | IDS | O6B-C6-O6A | -2.76 | 117.83 | 124.09 |
| 1 | 9-A | 34 | IDS | O6B-C6-O6A | -2.76 | 117.83 | 124.09 |
| 1 | 11-A | 4 | IDS | O6B-C6-O6A | -2.75 | 117.83 | 124.09 |
| 1 | 13-A | 18 | IDS | O6B-C6-O6A | -2.75 | 117.83 | 124.09 |
| 1 | 2-A | 4 | IDS | O6B-C6-O6A | -2.75 | 117.83 | 124.09 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 1 | 13-A | 24 | IDS | O6B-C6-O6A | -2.75 | 117.83 | 124.09 |
| 1 | 8-A | 32 | IDS | O6B-C6-O6A | -2.75 | 117.84 | 124.09 |
| 1 | 9-A | 32 | IDS | O6B-C6-O6A | -2.75 | 117.84 | 124.09 |
| 1 | 3-A | 24 | IDS | O6B-C6-O6A | -2.75 | 117.84 | 124.09 |
| 1 | 12-A | 18 | IDS | O6B-C6-O6A | -2.75 | 117.84 | 124.09 |
| 1 | 14-A | 34 | IDS | O6B-C6-O6A | -2.75 | 117.84 | 124.09 |
| 1 | 3-A | 12 | IDS | O6B-C6-O6A | -2.75 | 117.84 | 124.09 |
| 1 | 14-A | 30 | IDS | O6B-C6-O6A | -2.75 | 117.84 | 124.09 |
| 1 | 12-A | 22 | IDS | O6B-C6-O6A | -2.75 | 117.84 | 124.09 |
| 1 | 6-A | 18 | IDS | O6B-C6-O6A | -2.75 | 117.84 | 124.09 |
| 1 | 8-A | 18 | IDS | O6B-C6-O6A | -2.75 | 117.84 | 124.09 |
| 1 | 1-A | 22 | IDS | O6B-C6-O6A | -2.75 | 117.85 | 124.09 |
| 1 | 6-A | 24 | IDS | O6B-C6-O6A | -2.75 | 117.85 | 124.09 |
| 1 | 8-A | 24 | IDS | O6B-C6-O6A | -2.75 | 117.85 | 124.09 |
| 1 | 2-A | 28 | IDS | O6B-C6-O6A | -2.75 | 117.85 | 124.09 |
| 1 | 13-A | 32 | IDS | O6B-C6-O6A | -2.75 | 117.85 | 124.09 |
| 1 | 12-A | 24 | IDS | O6B-C6-O6A | -2.75 | 117.85 | 124.09 |
| 1 | 14-A | 18 | IDS | O6B-C6-O6A | -2.75 | 117.85 | 124.09 |
| 1 | 6-A | 2 | IDS | O6B-C6-O6A | -2.75 | 117.85 | 124.09 |
| 1 | 4-A | 18 | IDS | O6B-C6-O6A | -2.75 | 117.85 | 124.09 |
| 1 | 7-A | 2 | IDS | O6B-C6-O6A | -2.75 | 117.85 | 124.09 |
| 1 | 6-A | 32 | IDS | O6B-C6-O6A | -2.75 | 117.85 | 124.09 |
| 1 | 5-A | 2 | IDS | O6B-C6-O6A | -2.75 | 117.85 | 124.09 |
| 1 | 8-A | 12 | IDS | O6B-C6-O6A | -2.75 | 117.85 | 124.09 |
| 1 | 8-A | 28 | IDS | O6B-C6-O6A | -2.75 | 117.86 | 124.09 |
| 1 | 7-A | 18 | IDS | O6B-C6-O6A | -2.74 | 117.86 | 124.09 |
| 1 | 14-A | 24 | IDS | O6B-C6-O6A | -2.74 | 117.86 | 124.09 |
| 1 | 8-A | 8 | IDS | O6B-C6-O6A | -2.74 | 117.87 | 124.09 |
| 1 | 2-A | 18 | IDS | O6B-C6-O6A | -2.74 | 117.87 | 124.09 |
| 1 | 14-A | 32 | IDS | O6B-C6-O6A | -2.74 | 117.87 | 124.09 |
| 1 | 11-A | 22 | IDS | O6B-C6-O6A | -2.74 | 117.87 | 124.09 |
| 1 | 10-A | 14 | IDS | O6B-C6-O6A | -2.74 | 117.87 | 124.09 |
| 1 | 2-A | 12 | IDS | O6B-C6-O6A | -2.74 | 117.87 | 124.09 |
| 1 | 9-A | 2 | IDS | O6B-C6-O6A | -2.74 | 117.87 | 124.09 |
| 1 | 9-A | 8 | IDS | O6B-C6-O6A | -2.74 | 117.87 | 124.09 |
| 1 | 11-A | 32 | IDS | O6B-C6-O6A | -2.74 | 117.87 | 124.09 |
| 1 | 8-A | 34 | IDS | O6B-C6-O6A | -2.74 | 117.87 | 124.09 |
| 1 | 7-A | 22 | IDS | O6B-C6-O6A | -2.74 | 117.88 | 124.09 |
| 1 | 9-A | 22 | IDS | O6B-C6-O6A | -2.74 | 117.88 | 124.09 |
| 1 | 11-A | 34 | IDS | O6B-C6-O6A | -2.74 | 117.88 | 124.09 |
| 1 | 8-A | 2 | IDS | O6B-C6-O6A | -2.73 | 117.88 | 124.09 |
| 1 | 3-A | 8 | IDS | O6B-C6-O6A | -2.73 | 117.88 | 124.09 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 1 | 12-A | 14 | IDS | O6B-C6-O6A | -2.73 | 117.88 | 124.09 |
| 1 | 5-A | 12 | IDS | O6B-C6-O6A | -2.73 | 117.88 | 124.09 |
| 1 | 9-A | 30 | IDS | O6B-C6-O6A | -2.73 | 117.88 | 124.09 |
| 1 | 14-A | 2 | IDS | O6B-C6-O6A | -2.73 | 117.89 | 124.09 |
| 1 | 5-A | 22 | IDS | O6B-C6-O6A | -2.73 | 117.89 | 124.09 |
| 1 | 13-A | 2 | IDS | O6B-C6-O6A | -2.73 | 117.89 | 124.09 |
| 1 | 13-A | 28 | IDS | O6B-C6-O6A | -2.73 | 117.89 | 124.09 |
| 1 | 8-A | 22 | IDS | O6B-C6-O6A | -2.73 | 117.89 | 124.09 |
| 1 | 14-A | 22 | IDS | O6B-C6-O6A | -2.73 | 117.89 | 124.09 |
| 1 | 10-A | 34 | IDS | O6B-C6-O6A | -2.73 | 117.89 | 124.09 |
| 1 | 5-A | 24 | IDS | O6B-C6-O6A | -2.73 | 117.89 | 124.09 |
| 1 | 2-A | 32 | IDS | O6B-C6-O6A | -2.73 | 117.90 | 124.09 |
| 1 | 10-A | 22 | IDS | O6B-C6-O6A | -2.73 | 117.90 | 124.09 |
| 1 | 9-A | 14 | IDS | O6B-C6-O6A | -2.73 | 117.90 | 124.09 |
| 1 | 2-A | 22 | IDS | O6B-C6-O6A | -2.73 | 117.90 | 124.09 |
| 1 | 2-A | 14 | IDS | O6B-C6-O6A | -2.73 | 117.90 | 124.09 |
| 1 | 3-A | 34 | IDS | O6B-C6-O6A | -2.72 | 117.90 | 124.09 |
| 1 | 2-A | 34 | IDS | O6B-C6-O6A | -2.72 | 117.91 | 124.09 |
| 1 | 11-A | 2 | IDS | O6B-C6-O6A | -2.72 | 117.91 | 124.09 |
| 1 | 4-A | 22 | IDS | O6B-C6-O6A | -2.72 | 117.92 | 124.09 |
| 1 | 3-A | 28 | IDS | O6B-C6-O6A | -2.71 | 117.93 | 124.09 |
| 1 | 7-A | 34 | IDS | O6B-C6-O6A | -2.71 | 117.93 | 124.09 |
| 1 | 7-A | 24 | IDS | O6B-C6-O6A | -2.70 | 117.95 | 124.09 |
| 1 | 3-A | 22 | IDS | O6B-C6-O6A | -2.70 | 117.96 | 124.09 |
| 1 | 13-A | 14 | IDS | O6B-C6-O6A | -2.70 | 117.97 | 124.09 |
| 1 | 13-A | 6 | IDS | O6B-C6-C5 | 2.23 | 121.81 | 113.65 |
| 1 | 12-A | 26 | IDS | O6B-C6-C5 | 2.23 | 121.80 | 113.65 |
| 1 | 1-A | 26 | IDS | O6B-C6-C5 | 2.23 | 121.80 | 113.65 |
| 1 | 11-A | 26 | IDS | O6B-C6-C5 | 2.22 | 121.78 | 113.65 |
| 1 | 10-A | 6 | IDS | O6B-C6-C5 | 2.22 | 121.77 | 113.65 |
| 1 | 4-A | 26 | IDS | O6B-C6-C5 | 2.22 | 121.77 | 113.65 |
| 1 | 2-A | 6 | IDS | O6B-C6-C5 | 2.22 | 121.77 | 113.65 |
| 1 | 3-A | 26 | IDS | O6B-C6-C5 | 2.22 | 121.77 | 113.65 |
| 1 | 5-A | 6 | IDS | O6B-C6-C5 | 2.22 | 121.77 | 113.65 |
| 1 | 12-A | 16 | IDS | O6B-C6-C5 | 2.22 | 121.76 | 113.65 |
| 1 | 10-A | 26 | IDS | O6B-C6-C5 | 2.21 | 121.75 | 113.65 |
| 1 | 14-A | 26 | IDS | O6B-C6-C5 | 2.21 | 121.75 | 113.65 |
| 1 | 5-A | 26 | IDS | O6B-C6-C5 | 2.21 | 121.74 | 113.65 |
| 1 | 8-A | 26 | IDS | O6B-C6-C5 | 2.21 | 121.74 | 113.65 |
| 1 | 7-A | 6 | IDS | O6B-C6-C5 | 2.21 | 121.74 | 113.65 |
| 1 | 4-A | 6 | IDS | O6B-C6-C5 | 2.21 | 121.74 | 113.65 |
| 1 | 12-A | 6 | IDS | O6B-C6-C5 | 2.21 | 121.74 | 113.65 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-----------|------|-------------|----------|
| 1 | 10-A | 16 | IDS | O6B-C6-C5 | 2.21 | 121.73 | 113.65 |
| 1 | 13-A | 16 | IDS | O6B-C6-C5 | 2.21 | 121.73 | 113.65 |
| 1 | 9-A | 16 | IDS | O6B-C6-C5 | 2.21 | 121.73 | 113.65 |
| 1 | 3-A | 6 | IDS | O6B-C6-C5 | 2.21 | 121.72 | 113.65 |
| 1 | 12-A | 10 | IDS | O6B-C6-C5 | 2.20 | 121.72 | 113.65 |
| 1 | 5-A | 16 | IDS | O6B-C6-C5 | 2.20 | 121.72 | 113.65 |
| 1 | 6-A | 6 | IDS | O6B-C6-C5 | 2.20 | 121.72 | 113.65 |
| 1 | 13-A | 26 | IDS | O6B-C6-C5 | 2.20 | 121.72 | 113.65 |
| 1 | 4-A | 16 | IDS | O6B-C6-C5 | 2.20 | 121.71 | 113.65 |
| 1 | 6-A | 16 | IDS | O6B-C6-C5 | 2.20 | 121.71 | 113.65 |
| 1 | 3-A | 16 | IDS | O6B-C6-C5 | 2.20 | 121.71 | 113.65 |
| 1 | 5-A | 10 | IDS | O6B-C6-C5 | 2.20 | 121.71 | 113.65 |
| 1 | 10-A | 8 | IDS | O6B-C6-C5 | 2.20 | 121.71 | 113.65 |
| 1 | 8-A | 16 | IDS | O6B-C6-C5 | 2.20 | 121.71 | 113.65 |
| 1 | 11-A | 6 | IDS | O6B-C6-C5 | 2.20 | 121.71 | 113.65 |
| 1 | 11-A | 28 | IDS | O6B-C6-C5 | 2.20 | 121.71 | 113.65 |
| 1 | 8-A | 6 | IDS | O6B-C6-C5 | 2.20 | 121.70 | 113.65 |
| 1 | 1-A | 10 | IDS | O6B-C6-C5 | 2.20 | 121.70 | 113.65 |
| 1 | 9-A | 26 | IDS | O6B-C6-C5 | 2.20 | 121.70 | 113.65 |
| 1 | 12-A | 8 | IDS | O6B-C6-C5 | 2.20 | 121.70 | 113.65 |
| 1 | 1-A | 6 | IDS | O6B-C6-C5 | 2.20 | 121.70 | 113.65 |
| 1 | 4-A | 8 | IDS | O6B-C6-C5 | 2.20 | 121.69 | 113.65 |
| 1 | 7-A | 8 | IDS | O6B-C6-C5 | 2.20 | 121.69 | 113.65 |
| 1 | 8-A | 8 | IDS | O6B-C6-C5 | 2.20 | 121.69 | 113.65 |
| 1 | 9-A | 10 | IDS | O6B-C6-C5 | 2.20 | 121.69 | 113.65 |
| 1 | 2-A | 16 | IDS | O6B-C6-C5 | 2.20 | 121.69 | 113.65 |
| 1 | 10-A | 2 | IDS | O6B-C6-C5 | 2.19 | 121.69 | 113.65 |
| 1 | 4-A | 10 | IDS | O6B-C6-C5 | 2.19 | 121.68 | 113.65 |
| 1 | 8-A | 10 | IDS | O6B-C6-C5 | 2.19 | 121.68 | 113.65 |
| 1 | 7-A | 16 | IDS | O6B-C6-C5 | 2.19 | 121.68 | 113.65 |
| 1 | 7-A | 10 | IDS | O6B-C6-C5 | 2.19 | 121.68 | 113.65 |
| 1 | 11-A | 10 | IDS | O6B-C6-C5 | 2.19 | 121.68 | 113.65 |
| 1 | 2-A | 10 | IDS | O6B-C6-C5 | 2.19 | 121.68 | 113.65 |
| 1 | 13-A | 30 | IDS | O6B-C6-C5 | 2.19 | 121.67 | 113.65 |
| 1 | 6-A | 12 | IDS | O6B-C6-C5 | 2.19 | 121.67 | 113.65 |
| 1 | 13-A | 4 | IDS | O6B-C6-C5 | 2.19 | 121.67 | 113.65 |
| 1 | 10-A | 10 | IDS | O6B-C6-C5 | 2.19 | 121.67 | 113.65 |
| 1 | 8-A | 30 | IDS | O6B-C6-C5 | 2.19 | 121.67 | 113.65 |
| 1 | 14-A | 6 | IDS | O6B-C6-C5 | 2.19 | 121.67 | 113.65 |
| 1 | 5-A | 8 | IDS | O6B-C6-C5 | 2.19 | 121.67 | 113.65 |
| 1 | 2-A | 26 | IDS | O6B-C6-C5 | 2.19 | 121.67 | 113.65 |
| 1 | 9-A | 8 | IDS | O6B-C6-C5 | 2.19 | 121.67 | 113.65 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-----------|------|-------------|----------|
| 1 | 6-A | 30 | IDS | O6B-C6-C5 | 2.19 | 121.66 | 113.65 |
| 1 | 13-A | 10 | IDS | O6B-C6-C5 | 2.19 | 121.66 | 113.65 |
| 1 | 10-A | 24 | IDS | O6B-C6-C5 | 2.19 | 121.66 | 113.65 |
| 1 | 7-A | 26 | IDS | O6B-C6-C5 | 2.19 | 121.66 | 113.65 |
| 1 | 5-A | 28 | IDS | O6B-C6-C5 | 2.19 | 121.66 | 113.65 |
| 1 | 7-A | 32 | IDS | O6B-C6-C5 | 2.19 | 121.66 | 113.65 |
| 1 | 6-A | 26 | IDS | O6B-C6-C5 | 2.19 | 121.66 | 113.65 |
| 1 | 10-A | 30 | IDS | O6B-C6-C5 | 2.19 | 121.66 | 113.65 |
| 1 | 1-A | 30 | IDS | O6B-C6-C5 | 2.19 | 121.66 | 113.65 |
| 1 | 5-A | 30 | IDS | O6B-C6-C5 | 2.19 | 121.66 | 113.65 |
| 1 | 3-A | 32 | IDS | O6B-C6-C5 | 2.19 | 121.66 | 113.65 |
| 1 | 6-A | 20 | IDS | O6B-C6-C5 | 2.19 | 121.66 | 113.65 |
| 1 | 6-A | 2 | IDS | O6B-C6-C5 | 2.19 | 121.65 | 113.65 |
| 1 | 12-A | 30 | IDS | O6B-C6-C5 | 2.19 | 121.65 | 113.65 |
| 1 | 9-A | 6 | IDS | O6B-C6-C5 | 2.19 | 121.65 | 113.65 |
| 1 | 11-A | 12 | IDS | O6B-C6-C5 | 2.19 | 121.65 | 113.65 |
| 1 | 12-A | 12 | IDS | O6B-C6-C5 | 2.19 | 121.65 | 113.65 |
| 1 | 7-A | 20 | IDS | O6B-C6-C5 | 2.19 | 121.65 | 113.65 |
| 1 | 1-A | 8 | IDS | O6B-C6-C5 | 2.19 | 121.65 | 113.65 |
| 1 | 13-A | 12 | IDS | O6B-C6-C5 | 2.18 | 121.65 | 113.65 |
| 1 | 11-A | 30 | IDS | O6B-C6-C5 | 2.18 | 121.65 | 113.65 |
| 1 | 1-A | 28 | IDS | O6B-C6-C5 | 2.18 | 121.65 | 113.65 |
| 1 | 7-A | 12 | IDS | O6B-C6-C5 | 2.18 | 121.65 | 113.65 |
| 1 | 14-A | 16 | IDS | O6B-C6-C5 | 2.18 | 121.65 | 113.65 |
| 1 | 4-A | 30 | IDS | O6B-C6-C5 | 2.18 | 121.65 | 113.65 |
| 1 | 1-A | 34 | IDS | O6B-C6-C5 | 2.18 | 121.64 | 113.65 |
| 1 | 11-A | 8 | IDS | O6B-C6-C5 | 2.18 | 121.64 | 113.65 |
| 1 | 10-A | 20 | IDS | O6B-C6-C5 | 2.18 | 121.64 | 113.65 |
| 1 | 8-A | 12 | IDS | O6B-C6-C5 | 2.18 | 121.64 | 113.65 |
| 1 | 7-A | 2 | IDS | O6B-C6-C5 | 2.18 | 121.64 | 113.65 |
| 1 | 3-A | 10 | IDS | O6B-C6-C5 | 2.18 | 121.64 | 113.65 |
| 1 | 1-A | 16 | IDS | O6B-C6-C5 | 2.18 | 121.64 | 113.65 |
| 1 | 14-A | 12 | IDS | O6B-C6-C5 | 2.18 | 121.64 | 113.65 |
| 1 | 4-A | 2 | IDS | O6B-C6-C5 | 2.18 | 121.64 | 113.65 |
| 1 | 2-A | 8 | IDS | O6B-C6-C5 | 2.18 | 121.64 | 113.65 |
| 1 | 6-A | 8 | IDS | O6B-C6-C5 | 2.18 | 121.64 | 113.65 |
| 1 | 2-A | 30 | IDS | O6B-C6-C5 | 2.18 | 121.64 | 113.65 |
| 1 | 3-A | 20 | IDS | O6B-C6-C5 | 2.18 | 121.64 | 113.65 |
| 1 | 7-A | 30 | IDS | O6B-C6-C5 | 2.18 | 121.64 | 113.65 |
| 1 | 1-A | 24 | IDS | O6B-C6-C5 | 2.18 | 121.63 | 113.65 |
| 1 | 8-A | 28 | IDS | O6B-C6-C5 | 2.18 | 121.63 | 113.65 |
| 1 | 14-A | 8 | IDS | O6B-C6-C5 | 2.18 | 121.63 | 113.65 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-----------|------|-------------|----------|
| 1 | 9-A | 12 | IDS | O6B-C6-C5 | 2.18 | 121.63 | 113.65 |
| 1 | 4-A | 28 | IDS | O6B-C6-C5 | 2.18 | 121.63 | 113.65 |
| 1 | 12-A | 2 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 13-A | 8 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 1-A | 20 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 11-A | 18 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 4-A | 24 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 3-A | 30 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 1-A | 2 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 4-A | 18 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 4-A | 20 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 3-A | 8 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 11-A | 20 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 9-A | 32 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 1-A | 18 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 2-A | 2 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 8-A | 2 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 6-A | 10 | IDS | O6B-C6-C5 | 2.18 | 121.62 | 113.65 |
| 1 | 4-A | 4 | IDS | O6B-C6-C5 | 2.18 | 121.61 | 113.65 |
| 1 | 3-A | 12 | IDS | O6B-C6-C5 | 2.18 | 121.61 | 113.65 |
| 1 | 9-A | 2 | IDS | O6B-C6-C5 | 2.18 | 121.61 | 113.65 |
| 1 | 4-A | 12 | IDS | O6B-C6-C5 | 2.18 | 121.61 | 113.65 |
| 1 | 10-A | 32 | IDS | O6B-C6-C5 | 2.18 | 121.61 | 113.65 |
| 1 | 6-A | 28 | IDS | O6B-C6-C5 | 2.17 | 121.61 | 113.65 |
| 1 | 9-A | 24 | IDS | O6B-C6-C5 | 2.17 | 121.61 | 113.65 |
| 1 | 11-A | 16 | IDS | O6B-C6-C5 | 2.17 | 121.61 | 113.65 |
| 1 | 10-A | 28 | IDS | O6B-C6-C5 | 2.17 | 121.61 | 113.65 |
| 1 | 3-A | 4 | IDS | O6B-C6-C5 | 2.17 | 121.60 | 113.65 |
| 1 | 3-A | 24 | IDS | O6B-C6-C5 | 2.17 | 121.60 | 113.65 |
| 1 | 2-A | 28 | IDS | O6B-C6-C5 | 2.17 | 121.60 | 113.65 |
| 1 | 4-A | 32 | IDS | O6B-C6-C5 | 2.17 | 121.60 | 113.65 |
| 1 | 13-A | 20 | IDS | O6B-C6-C5 | 2.17 | 121.60 | 113.65 |
| 1 | 13-A | 28 | IDS | O6B-C6-C5 | 2.17 | 121.60 | 113.65 |
| 1 | 14-A | 10 | IDS | O6B-C6-C5 | 2.17 | 121.60 | 113.65 |
| 1 | 10-A | 12 | IDS | O6B-C6-C5 | 2.17 | 121.60 | 113.65 |
| 1 | 12-A | 20 | IDS | O6B-C6-C5 | 2.17 | 121.60 | 113.65 |
| 1 | 10-A | 22 | IDS | O6B-C6-C5 | 2.17 | 121.60 | 113.65 |
| 1 | 14-A | 32 | IDS | O6B-C6-C5 | 2.17 | 121.60 | 113.65 |
| 1 | 10-A | 18 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 12-A | 32 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 3-A | 2 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 5-A | 2 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-----------|------|-------------|----------|
| 1 | 1-A | 12 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 11-A | 24 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 9-A | 30 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 5-A | 20 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 1-A | 22 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 2-A | 20 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 9-A | 28 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 1-A | 14 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 8-A | 20 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 12-A | 28 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 13-A | 18 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 14-A | 18 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 2-A | 24 | IDS | O6B-C6-C5 | 2.17 | 121.59 | 113.65 |
| 1 | 14-A | 30 | IDS | O6B-C6-C5 | 2.17 | 121.58 | 113.65 |
| 1 | 9-A | 22 | IDS | O6B-C6-C5 | 2.17 | 121.58 | 113.65 |
| 1 | 6-A | 34 | IDS | O6B-C6-C5 | 2.17 | 121.58 | 113.65 |
| 1 | 11-A | 14 | IDS | O6B-C6-C5 | 2.17 | 121.58 | 113.65 |
| 1 | 12-A | 4 | IDS | O6B-C6-C5 | 2.17 | 121.58 | 113.65 |
| 1 | 3-A | 28 | IDS | O6B-C6-C5 | 2.17 | 121.58 | 113.65 |
| 1 | 1-A | 4 | IDS | O6B-C6-C5 | 2.17 | 121.58 | 113.65 |
| 1 | 3-A | 18 | IDS | O6B-C6-C5 | 2.17 | 121.58 | 113.65 |
| 1 | 5-A | 34 | IDS | O6B-C6-C5 | 2.17 | 121.58 | 113.65 |
| 1 | 8-A | 4 | IDS | O6B-C6-C5 | 2.17 | 121.58 | 113.65 |
| 1 | 7-A | 28 | IDS | O6B-C6-C5 | 2.17 | 121.58 | 113.65 |
| 1 | 5-A | 32 | IDS | O6B-C6-C5 | 2.17 | 121.58 | 113.65 |
| 1 | 6-A | 4 | IDS | O6B-C6-C5 | 2.16 | 121.58 | 113.65 |
| 1 | 9-A | 18 | IDS | O6B-C6-C5 | 2.16 | 121.58 | 113.65 |
| 1 | 14-A | 20 | IDS | O6B-C6-C5 | 2.16 | 121.58 | 113.65 |
| 1 | 2-A | 12 | IDS | O6B-C6-C5 | 2.16 | 121.57 | 113.65 |
| 1 | 7-A | 4 | IDS | O6B-C6-C5 | 2.16 | 121.57 | 113.65 |
| 1 | 10-A | 4 | IDS | O6B-C6-C5 | 2.16 | 121.57 | 113.65 |
| 1 | 4-A | 14 | IDS | O6B-C6-C5 | 2.16 | 121.57 | 113.65 |
| 1 | 8-A | 32 | IDS | O6B-C6-C5 | 2.16 | 121.57 | 113.65 |
| 1 | 13-A | 24 | IDS | O6B-C6-C5 | 2.16 | 121.57 | 113.65 |
| 1 | 9-A | 20 | IDS | O6B-C6-C5 | 2.16 | 121.57 | 113.65 |
| 1 | 13-A | 32 | IDS | O6B-C6-C5 | 2.16 | 121.57 | 113.65 |
| 1 | 5-A | 14 | IDS | O6B-C6-C5 | 2.16 | 121.57 | 113.65 |
| 1 | 13-A | 22 | IDS | O6B-C6-C5 | 2.16 | 121.57 | 113.65 |
| 1 | 2-A | 32 | IDS | O6B-C6-C5 | 2.16 | 121.57 | 113.65 |
| 1 | 14-A | 28 | IDS | O6B-C6-C5 | 2.16 | 121.57 | 113.65 |
| 1 | 6-A | 14 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |
| 1 | 5-A | 22 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-----------|------|-------------|----------|
| 1 | 9-A | 34 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |
| 1 | 14-A | 2 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |
| 1 | 11-A | 32 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |
| 1 | 12-A | 34 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |
| 1 | 11-A | 4 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |
| 1 | 12-A | 22 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |
| 1 | 11-A | 22 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |
| 1 | 14-A | 14 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |
| 1 | 6-A | 18 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |
| 1 | 1-A | 32 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |
| 1 | 13-A | 2 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |
| 1 | 8-A | 18 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |
| 1 | 6-A | 24 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |
| 1 | 7-A | 24 | IDS | O6B-C6-C5 | 2.16 | 121.56 | 113.65 |
| 1 | 5-A | 24 | IDS | O6B-C6-C5 | 2.16 | 121.55 | 113.65 |
| 1 | 5-A | 12 | IDS | O6B-C6-C5 | 2.16 | 121.55 | 113.65 |
| 1 | 14-A | 22 | IDS | O6B-C6-C5 | 2.16 | 121.55 | 113.65 |
| 1 | 4-A | 34 | IDS | O6B-C6-C5 | 2.16 | 121.55 | 113.65 |
| 1 | 2-A | 22 | IDS | O6B-C6-C5 | 2.16 | 121.55 | 113.65 |
| 1 | 8-A | 24 | IDS | O6B-C6-C5 | 2.16 | 121.55 | 113.65 |
| 1 | 11-A | 2 | IDS | O6B-C6-C5 | 2.16 | 121.54 | 113.65 |
| 1 | 5-A | 4 | IDS | O6B-C6-C5 | 2.16 | 121.54 | 113.65 |
| 1 | 9-A | 4 | IDS | O6B-C6-C5 | 2.16 | 121.54 | 113.65 |
| 1 | 7-A | 22 | IDS | O6B-C6-C5 | 2.16 | 121.54 | 113.65 |
| 1 | 14-A | 4 | IDS | O6B-C6-C5 | 2.16 | 121.54 | 113.65 |
| 1 | 4-A | 22 | IDS | O6B-C6-C5 | 2.16 | 121.54 | 113.65 |
| 1 | 14-A | 34 | IDS | O6B-C6-C5 | 2.16 | 121.54 | 113.65 |
| 1 | 12-A | 24 | IDS | O6B-C6-C5 | 2.15 | 121.54 | 113.65 |
| 1 | 5-A | 18 | IDS | O6B-C6-C5 | 2.15 | 121.54 | 113.65 |
| 1 | 6-A | 32 | IDS | O6B-C6-C5 | 2.15 | 121.53 | 113.65 |
| 1 | 2-A | 4 | IDS | O6B-C6-C5 | 2.15 | 121.53 | 113.65 |
| 1 | 10-A | 14 | IDS | O6B-C6-C5 | 2.15 | 121.53 | 113.65 |
| 1 | 9-A | 14 | IDS | O6B-C6-C5 | 2.15 | 121.53 | 113.65 |
| 1 | 7-A | 18 | IDS | O6B-C6-C5 | 2.15 | 121.53 | 113.65 |
| 1 | 8-A | 34 | IDS | O6B-C6-C5 | 2.15 | 121.52 | 113.65 |
| 1 | 6-A | 22 | IDS | O6B-C6-C5 | 2.15 | 121.52 | 113.65 |
| 1 | 2-A | 34 | IDS | O6B-C6-C5 | 2.15 | 121.52 | 113.65 |
| 1 | 2-A | 18 | IDS | O6B-C6-C5 | 2.15 | 121.51 | 113.65 |
| 1 | 3-A | 34 | IDS | O6B-C6-C5 | 2.15 | 121.51 | 113.65 |
| 1 | 10-A | 34 | IDS | O6B-C6-C5 | 2.15 | 121.51 | 113.65 |
| 1 | 8-A | 14 | IDS | O6B-C6-C5 | 2.15 | 121.51 | 113.65 |
| 1 | 12-A | 18 | IDS | O6B-C6-C5 | 2.15 | 121.51 | 113.65 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-----------|------|-------------|----------|
| 1 | 13-A | 34 | IDS | O6B-C6-C5 | 2.15 | 121.51 | 113.65 |
| 1 | 3-A | 22 | IDS | O6B-C6-C5 | 2.15 | 121.50 | 113.65 |
| 1 | 14-A | 24 | IDS | O6B-C6-C5 | 2.14 | 121.50 | 113.65 |
| 1 | 8-A | 22 | IDS | O6B-C6-C5 | 2.14 | 121.50 | 113.65 |
| 1 | 7-A | 14 | IDS | O6B-C6-C5 | 2.14 | 121.50 | 113.65 |
| 1 | 7-A | 34 | IDS | O6B-C6-C5 | 2.14 | 121.48 | 113.65 |
| 1 | 2-A | 14 | IDS | O6B-C6-C5 | 2.14 | 121.48 | 113.65 |
| 1 | 3-A | 14 | IDS | O6B-C6-C5 | 2.14 | 121.48 | 113.65 |
| 1 | 11-A | 34 | IDS | O6B-C6-C5 | 2.13 | 121.46 | 113.65 |
| 1 | 12-A | 14 | IDS | O6B-C6-C5 | 2.13 | 121.45 | 113.65 |
| 1 | 13-A | 14 | IDS | O6B-C6-C5 | 2.12 | 121.41 | 113.65 |

There are no chirality outliers.

All (1619) torsion outliers are listed below:

| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 1-A | 1 | SGN | C2-N2-S1-O2S |
| 1 | 3-A | 1 | SGN | C4-C5-C6-O6 |
| 1 | 3-A | 1 | SGN | O5-C5-C6-O6 |
| 1 | 4-A | 1 | SGN | C4-C5-C6-O6 |
| 1 | 4-A | 1 | SGN | C2-N2-S1-O1S |
| 1 | 5-A | 1 | SGN | C2-N2-S1-O2S |
| 1 | 7-A | 1 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 1 | SGN | O5-C5-C6-O6 |
| 1 | 8-A | 1 | SGN | O5-C5-C6-O6 |
| 1 | 9-A | 1 | SGN | C4-C5-C6-O6 |
| 1 | 9-A | 1 | SGN | O5-C5-C6-O6 |
| 1 | 9-A | 1 | SGN | C2-N2-S1-O1S |
| 1 | 10-A | 1 | SGN | C2-N2-S1-O2S |
| 1 | 10-A | 1 | SGN | C2-N2-S1-O3S |
| 1 | 11-A | 1 | SGN | C1-C2-N2-S1 |
| 1 | 11-A | 1 | SGN | C3-C2-N2-S1 |
| 1 | 12-A | 1 | SGN | C2-N2-S1-O2S |
| 1 | 12-A | 1 | SGN | C2-N2-S1-O3S |
| 1 | 13-A | 1 | SGN | C4-C5-C6-O6 |
| 1 | 13-A | 1 | SGN | O5-C5-C6-O6 |
| 1 | 14-A | 1 | SGN | C1-C2-N2-S1 |
| 1 | 14-A | 1 | SGN | C3-C2-N2-S1 |
| 1 | 1-A | 2 | IDS | C4-C5-C6-O6A |
| 1 | 3-A | 2 | IDS | C2-O2-S-O3S |
| 1 | 4-A | 2 | IDS | C1-C2-O2-S |
| 1 | 4-A | 2 | IDS | C3-C2-O2-S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 6-A | 2 | IDS | C1-C2-O2-S |
| 1 | 6-A | 2 | IDS | C3-C2-O2-S |
| 1 | 7-A | 2 | IDS | C2-O2-S-O1S |
| 1 | 7-A | 2 | IDS | C2-O2-S-O2S |
| 1 | 7-A | 2 | IDS | C2-O2-S-O3S |
| 1 | 11-A | 2 | IDS | C1-C2-O2-S |
| 1 | 11-A | 2 | IDS | C3-C2-O2-S |
| 1 | 12-A | 2 | IDS | C1-C2-O2-S |
| 1 | 12-A | 2 | IDS | C3-C2-O2-S |
| 1 | 12-A | 2 | IDS | C4-C5-C6-O6A |
| 1 | 12-A | 2 | IDS | C4-C5-C6-O6B |
| 1 | 14-A | 2 | IDS | C4-C5-C6-O6A |
| 1 | 14-A | 2 | IDS | C4-C5-C6-O6B |
| 1 | 1-A | 3 | SGN | C4-C5-C6-O6 |
| 1 | 1-A | 3 | SGN | O5-C5-C6-O6 |
| 1 | 1-A | 3 | SGN | C2-N2-S1-O2S |
| 1 | 2-A | 3 | SGN | C2-N2-S1-O2S |
| 1 | 2-A | 3 | SGN | C2-N2-S1-O3S |
| 1 | 3-A | 3 | SGN | C4-C5-C6-O6 |
| 1 | 3-A | 3 | SGN | O5-C5-C6-O6 |
| 1 | 3-A | 3 | SGN | C2-N2-S1-O2S |
| 1 | 3-A | 3 | SGN | C2-N2-S1-O3S |
| 1 | 4-A | 3 | SGN | C2-N2-S1-O1S |
| 1 | 6-A | 3 | SGN | C4-C5-C6-O6 |
| 1 | 6-A | 3 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 3 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 3 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 3 | SGN | C2-N2-S1-O2S |
| 1 | 7-A | 3 | SGN | C6-O6-S2-O4S |
| 1 | 8-A | 3 | SGN | C2-N2-S1-O2S |
| 1 | 9-A | 3 | SGN | C4-C5-C6-O6 |
| 1 | 9-A | 3 | SGN | O5-C5-C6-O6 |
| 1 | 10-A | 3 | SGN | C4-C5-C6-O6 |
| 1 | 10-A | 3 | SGN | O5-C5-C6-O6 |
| 1 | 11-A | 3 | SGN | C2-N2-S1-O2S |
| 1 | 12-A | 3 | SGN | C4-C5-C6-O6 |
| 1 | 12-A | 3 | SGN | O5-C5-C6-O6 |
| 1 | 13-A | 3 | SGN | O5-C5-C6-O6 |
| 1 | 13-A | 3 | SGN | C2-N2-S1-O2S |
| 1 | 14-A | 3 | SGN | C2-N2-S1-O2S |
| 1 | 1-A | 4 | IDS | C2-O2-S-O3S |
| 1 | 5-A | 4 | IDS | C1-C2-O2-S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 5-A | 4 | IDS | C3-C2-O2-S |
| 1 | 5-A | 4 | IDS | C2-O2-S-O3S |
| 1 | 6-A | 4 | IDS | C2-O2-S-O3S |
| 1 | 10-A | 4 | IDS | C1-C2-O2-S |
| 1 | 11-A | 4 | IDS | C4-C5-C6-O6A |
| 1 | 11-A | 4 | IDS | C4-C5-C6-O6B |
| 1 | 11-A | 4 | IDS | C2-O2-S-O2S |
| 1 | 12-A | 4 | IDS | C1-C2-O2-S |
| 1 | 12-A | 4 | IDS | C3-C2-O2-S |
| 1 | 14-A | 4 | IDS | C4-C5-C6-O6A |
| 1 | 14-A | 4 | IDS | C4-C5-C6-O6B |
| 1 | 2-A | 5 | SGN | C2-N2-S1-O1S |
| 1 | 3-A | 5 | SGN | O5-C5-C6-O6 |
| 1 | 3-A | 5 | SGN | C6-O6-S2-O4S |
| 1 | 4-A | 5 | SGN | C4-C5-C6-O6 |
| 1 | 4-A | 5 | SGN | O5-C5-C6-O6 |
| 1 | 5-A | 5 | SGN | C4-C5-C6-O6 |
| 1 | 5-A | 5 | SGN | O5-C5-C6-O6 |
| 1 | 5-A | 5 | SGN | C2-N2-S1-O2S |
| 1 | 7-A | 5 | SGN | C2-N2-S1-O2S |
| 1 | 7-A | 5 | SGN | C2-N2-S1-O3S |
| 1 | 8-A | 5 | SGN | C4-C5-C6-O6 |
| 1 | 8-A | 5 | SGN | C2-N2-S1-O2S |
| 1 | 8-A | 5 | SGN | C2-N2-S1-O3S |
| 1 | 9-A | 5 | SGN | C2-N2-S1-O1S |
| 1 | 10-A | 5 | SGN | C2-N2-S1-O1S |
| 1 | 11-A | 5 | SGN | C4-C5-C6-O6 |
| 1 | 11-A | 5 | SGN | O5-C5-C6-O6 |
| 1 | 11-A | 5 | SGN | C2-N2-S1-O2S |
| 1 | 11-A | 5 | SGN | C2-N2-S1-O3S |
| 1 | 12-A | 5 | SGN | C4-C5-C6-O6 |
| 1 | 13-A | 5 | SGN | C6-O6-S2-O6S |
| 1 | 14-A | 5 | SGN | C4-C5-C6-O6 |
| 1 | 14-A | 5 | SGN | O5-C5-C6-O6 |
| 1 | 14-A | 5 | SGN | C2-N2-S1-O2S |
| 1 | 14-A | 5 | SGN | C2-N2-S1-O3S |
| 1 | 1-A | 6 | IDS | C2-O2-S-O1S |
| 1 | 1-A | 6 | IDS | C2-O2-S-O3S |
| 1 | 2-A | 6 | IDS | C1-C2-O2-S |
| 1 | 2-A | 6 | IDS | C3-C2-O2-S |
| 1 | 3-A | 6 | IDS | C1-C2-O2-S |
| 1 | 3-A | 6 | IDS | C3-C2-O2-S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 4-A | 6 | IDS | C1-C2-O2-S |
| 1 | 4-A | 6 | IDS | C3-C2-O2-S |
| 1 | 4-A | 6 | IDS | C4-C5-C6-O6A |
| 1 | 4-A | 6 | IDS | C4-C5-C6-O6B |
| 1 | 10-A | 6 | IDS | C1-C2-O2-S |
| 1 | 10-A | 6 | IDS | C3-C2-O2-S |
| 1 | 10-A | 6 | IDS | C4-C5-C6-O6A |
| 1 | 10-A | 6 | IDS | C4-C5-C6-O6B |
| 1 | 12-A | 6 | IDS | C1-C2-O2-S |
| 1 | 12-A | 6 | IDS | C3-C2-O2-S |
| 1 | 3-A | 7 | SGN | C2-N2-S1-O2S |
| 1 | 4-A | 7 | SGN | O5-C5-C6-O6 |
| 1 | 5-A | 7 | SGN | C2-N2-S1-O1S |
| 1 | 6-A | 7 | SGN | C2-N2-S1-O1S |
| 1 | 7-A | 7 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 7 | SGN | O5-C5-C6-O6 |
| 1 | 8-A | 7 | SGN | O5-C5-C6-O6 |
| 1 | 9-A | 7 | SGN | C2-N2-S1-O1S |
| 1 | 12-A | 7 | SGN | O5-C5-C6-O6 |
| 1 | 12-A | 7 | SGN | C2-N2-S1-O2S |
| 1 | 12-A | 7 | SGN | C2-N2-S1-O3S |
| 1 | 13-A | 7 | SGN | C2-N2-S1-O1S |
| 1 | 14-A | 7 | SGN | C4-C5-C6-O6 |
| 1 | 14-A | 7 | SGN | O5-C5-C6-O6 |
| 1 | 2-A | 8 | IDS | C2-O2-S-O1S |
| 1 | 2-A | 8 | IDS | C2-O2-S-O2S |
| 1 | 2-A | 8 | IDS | C2-O2-S-O3S |
| 1 | 4-A | 8 | IDS | C1-C2-O2-S |
| 1 | 8-A | 8 | IDS | C2-O2-S-O3S |
| 1 | 10-A | 8 | IDS | C1-C2-O2-S |
| 1 | 10-A | 8 | IDS | C3-C2-O2-S |
| 1 | 11-A | 8 | IDS | C1-C2-O2-S |
| 1 | 11-A | 8 | IDS | C3-C2-O2-S |
| 1 | 11-A | 8 | IDS | C4-C5-C6-O6A |
| 1 | 11-A | 8 | IDS | C4-C5-C6-O6B |
| 1 | 13-A | 8 | IDS | C2-O2-S-O3S |
| 1 | 14-A | 8 | IDS | C1-C2-O2-S |
| 1 | 14-A | 8 | IDS | C2-O2-S-O1S |
| 1 | 14-A | 8 | IDS | C2-O2-S-O2S |
| 1 | 14-A | 8 | IDS | C2-O2-S-O3S |
| 1 | 1-A | 9 | SGN | C4-C5-C6-O6 |
| 1 | 1-A | 9 | SGN | O5-C5-C6-O6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 2-A | 9 | SGN | C2-N2-S1-O2S |
| 1 | 3-A | 9 | SGN | C4-C5-C6-O6 |
| 1 | 3-A | 9 | SGN | O5-C5-C6-O6 |
| 1 | 3-A | 9 | SGN | C2-N2-S1-O2S |
| 1 | 3-A | 9 | SGN | C2-N2-S1-O3S |
| 1 | 4-A | 9 | SGN | C2-N2-S1-O1S |
| 1 | 6-A | 9 | SGN | C4-C5-C6-O6 |
| 1 | 6-A | 9 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 9 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 9 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 9 | SGN | C2-N2-S1-O2S |
| 1 | 7-A | 9 | SGN | C2-N2-S1-O3S |
| 1 | 10-A | 9 | SGN | C4-C5-C6-O6 |
| 1 | 10-A | 9 | SGN | O5-C5-C6-O6 |
| 1 | 10-A | 9 | SGN | C2-N2-S1-O2S |
| 1 | 10-A | 9 | SGN | C2-N2-S1-O3S |
| 1 | 12-A | 9 | SGN | C2-N2-S1-O2S |
| 1 | 12-A | 9 | SGN | C2-N2-S1-O3S |
| 1 | 13-A | 9 | SGN | C4-C5-C6-O6 |
| 1 | 13-A | 9 | SGN | O5-C5-C6-O6 |
| 1 | 13-A | 9 | SGN | C2-N2-S1-O2S |
| 1 | 13-A | 9 | SGN | C2-N2-S1-O3S |
| 1 | 13-A | 9 | SGN | C6-O6-S2-O6S |
| 1 | 14-A | 9 | SGN | O5-C5-C6-O6 |
| 1 | 1-A | 10 | IDS | C1-C2-O2-S |
| 1 | 1-A | 10 | IDS | C3-C2-O2-S |
| 1 | 1-A | 10 | IDS | C4-C5-C6-O6A |
| 1 | 1-A | 10 | IDS | C2-O2-S-O3S |
| 1 | 2-A | 10 | IDS | C2-O2-S-O3S |
| 1 | 5-A | 10 | IDS | C2-O2-S-O3S |
| 1 | 7-A | 10 | IDS | C2-O2-S-O2S |
| 1 | 9-A | 10 | IDS | C1-C2-O2-S |
| 1 | 9-A | 10 | IDS | C3-C2-O2-S |
| 1 | 10-A | 10 | IDS | C4-C5-C6-O6A |
| 1 | 10-A | 10 | IDS | C4-C5-C6-O6B |
| 1 | 10-A | 10 | IDS | C2-O2-S-O3S |
| 1 | 11-A | 10 | IDS | C4-C5-C6-O6A |
| 1 | 11-A | 10 | IDS | C4-C5-C6-O6B |
| 1 | 13-A | 10 | IDS | C2-O2-S-O2S |
| 1 | 14-A | 10 | IDS | C2-O2-S-O3S |
| 1 | 1-A | 11 | SGN | C2-N2-S1-O1S |
| 1 | 2-A | 11 | SGN | C4-C5-C6-O6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 2-A | 11 | SGN | C6-O6-S2-O4S |
| 1 | 3-A | 11 | SGN | C4-C5-C6-O6 |
| 1 | 3-A | 11 | SGN | O5-C5-C6-O6 |
| 1 | 4-A | 11 | SGN | C2-N2-S1-O1S |
| 1 | 5-A | 11 | SGN | C4-C5-C6-O6 |
| 1 | 5-A | 11 | SGN | O5-C5-C6-O6 |
| 1 | 6-A | 11 | SGN | C2-N2-S1-O2S |
| 1 | 6-A | 11 | SGN | C2-N2-S1-O3S |
| 1 | 7-A | 11 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 11 | SGN | C2-N2-S1-O2S |
| 1 | 9-A | 11 | SGN | C2-N2-S1-O2S |
| 1 | 10-A | 11 | SGN | C4-C5-C6-O6 |
| 1 | 10-A | 11 | SGN | O5-C5-C6-O6 |
| 1 | 10-A | 11 | SGN | C2-N2-S1-O2S |
| 1 | 11-A | 11 | SGN | O5-C5-C6-O6 |
| 1 | 11-A | 11 | SGN | C2-N2-S1-O1S |
| 1 | 12-A | 11 | SGN | O5-C5-C6-O6 |
| 1 | 12-A | 11 | SGN | C2-N2-S1-O2S |
| 1 | 14-A | 11 | SGN | C2-N2-S1-O2S |
| 1 | 14-A | 11 | SGN | C2-N2-S1-O3S |
| 1 | 5-A | 12 | IDS | C4-C5-C6-O6A |
| 1 | 5-A | 12 | IDS | C4-C5-C6-O6B |
| 1 | 6-A | 12 | IDS | C1-C2-O2-S |
| 1 | 6-A | 12 | IDS | C3-C2-O2-S |
| 1 | 6-A | 12 | IDS | C2-O2-S-O3S |
| 1 | 8-A | 12 | IDS | C2-O2-S-O1S |
| 1 | 8-A | 12 | IDS | C2-O2-S-O2S |
| 1 | 8-A | 12 | IDS | C2-O2-S-O3S |
| 1 | 9-A | 12 | IDS | C1-C2-O2-S |
| 1 | 9-A | 12 | IDS | C3-C2-O2-S |
| 1 | 10-A | 12 | IDS | C2-O2-S-O3S |
| 1 | 11-A | 12 | IDS | C2-O2-S-O3S |
| 1 | 12-A | 12 | IDS | C4-C5-C6-O6A |
| 1 | 12-A | 12 | IDS | C4-C5-C6-O6B |
| 1 | 12-A | 12 | IDS | C2-O2-S-O3S |
| 1 | 13-A | 12 | IDS | C4-C5-C6-O6A |
| 1 | 13-A | 12 | IDS | C4-C5-C6-O6B |
| 1 | 14-A | 12 | IDS | C2-O2-S-O1S |
| 1 | 14-A | 12 | IDS | C2-O2-S-O3S |
| 1 | 1-A | 13 | SGN | C4-C5-C6-O6 |
| 1 | 1-A | 13 | SGN | O5-C5-C6-O6 |
| 1 | 2-A | 13 | SGN | C2-N2-S1-O2S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 3-A | 13 | SGN | C4-C5-C6-O6 |
| 1 | 3-A | 13 | SGN | O5-C5-C6-O6 |
| 1 | 3-A | 13 | SGN | C2-N2-S1-O2S |
| 1 | 3-A | 13 | SGN | C2-N2-S1-O3S |
| 1 | 4-A | 13 | SGN | C4-C5-C6-O6 |
| 1 | 4-A | 13 | SGN | O5-C5-C6-O6 |
| 1 | 4-A | 13 | SGN | C2-N2-S1-O1S |
| 1 | 5-A | 13 | SGN | C6-O6-S2-O6S |
| 1 | 6-A | 13 | SGN | C2-N2-S1-O1S |
| 1 | 7-A | 13 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 13 | SGN | C2-N2-S1-O1S |
| 1 | 8-A | 13 | SGN | C2-N2-S1-O1S |
| 1 | 9-A | 13 | SGN | C4-C5-C6-O6 |
| 1 | 9-A | 13 | SGN | O5-C5-C6-O6 |
| 1 | 10-A | 13 | SGN | C2-N2-S1-O2S |
| 1 | 10-A | 13 | SGN | C2-N2-S1-O3S |
| 1 | 11-A | 13 | SGN | C2-N2-S1-O1S |
| 1 | 12-A | 13 | SGN | C4-C5-C6-O6 |
| 1 | 12-A | 13 | SGN | O5-C5-C6-O6 |
| 1 | 1-A | 14 | IDS | C2-O2-S-O1S |
| 1 | 1-A | 14 | IDS | C2-O2-S-O3S |
| 1 | 2-A | 14 | IDS | C1-C2-O2-S |
| 1 | 3-A | 14 | IDS | C4-C5-C6-O6A |
| 1 | 3-A | 14 | IDS | C2-O2-S-O3S |
| 1 | 6-A | 14 | IDS | C4-C5-C6-O6A |
| 1 | 6-A | 14 | IDS | C4-C5-C6-O6B |
| 1 | 9-A | 14 | IDS | C2-O2-S-O3S |
| 1 | 1-A | 15 | SGN | O5-C5-C6-O6 |
| 1 | 2-A | 15 | SGN | C2-N2-S1-O2S |
| 1 | 2-A | 15 | SGN | C2-N2-S1-O3S |
| 1 | 4-A | 15 | SGN | C2-N2-S1-O1S |
| 1 | 5-A | 15 | SGN | C4-C5-C6-O6 |
| 1 | 5-A | 15 | SGN | O5-C5-C6-O6 |
| 1 | 5-A | 15 | SGN | C6-O6-S2-O6S |
| 1 | 7-A | 15 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 15 | SGN | C2-N2-S1-O2S |
| 1 | 8-A | 15 | SGN | C4-C5-C6-O6 |
| 1 | 8-A | 15 | SGN | O5-C5-C6-O6 |
| 1 | 8-A | 15 | SGN | C2-N2-S1-O2S |
| 1 | 10-A | 15 | SGN | C4-C5-C6-O6 |
| 1 | 10-A | 15 | SGN | O5-C5-C6-O6 |
| 1 | 11-A | 15 | SGN | C4-C5-C6-O6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 11-A | 15 | SGN | O5-C5-C6-O6 |
| 1 | 11-A | 15 | SGN | C2-N2-S1-O1S |
| 1 | 12-A | 15 | SGN | C4-C5-C6-O6 |
| 1 | 12-A | 15 | SGN | O5-C5-C6-O6 |
| 1 | 13-A | 15 | SGN | C2-N2-S1-O2S |
| 1 | 13-A | 15 | SGN | C2-N2-S1-O3S |
| 1 | 14-A | 15 | SGN | C2-N2-S1-O1S |
| 1 | 1-A | 16 | IDS | C4-C5-C6-O6A |
| 1 | 1-A | 16 | IDS | C4-C5-C6-O6B |
| 1 | 1-A | 16 | IDS | C2-O2-S-O1S |
| 1 | 1-A | 16 | IDS | C2-O2-S-O2S |
| 1 | 1-A | 16 | IDS | C2-O2-S-O3S |
| 1 | 2-A | 16 | IDS | C2-O2-S-O1S |
| 1 | 2-A | 16 | IDS | C2-O2-S-O2S |
| 1 | 2-A | 16 | IDS | C2-O2-S-O3S |
| 1 | 4-A | 16 | IDS | C2-O2-S-O1S |
| 1 | 4-A | 16 | IDS | C2-O2-S-O2S |
| 1 | 4-A | 16 | IDS | C2-O2-S-O3S |
| 1 | 5-A | 16 | IDS | C2-O2-S-O3S |
| 1 | 7-A | 16 | IDS | C1-C2-O2-S |
| 1 | 7-A | 16 | IDS | C3-C2-O2-S |
| 1 | 7-A | 16 | IDS | C2-O2-S-O3S |
| 1 | 9-A | 16 | IDS | C2-O2-S-O1S |
| 1 | 9-A | 16 | IDS | C2-O2-S-O3S |
| 1 | 11-A | 16 | IDS | C1-C2-O2-S |
| 1 | 11-A | 16 | IDS | C3-C2-O2-S |
| 1 | 13-A | 16 | IDS | C2-O2-S-O2S |
| 1 | 1-A | 17 | SGN | C2-N2-S1-O2S |
| 1 | 3-A | 17 | SGN | C4-C5-C6-O6 |
| 1 | 3-A | 17 | SGN | O5-C5-C6-O6 |
| 1 | 3-A | 17 | SGN | C2-N2-S1-O2S |
| 1 | 4-A | 17 | SGN | C2-N2-S1-O1S |
| 1 | 5-A | 17 | SGN | C2-N2-S1-O2S |
| 1 | 7-A | 17 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 17 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 17 | SGN | C2-N2-S1-O2S |
| 1 | 7-A | 17 | SGN | C2-N2-S1-O3S |
| 1 | 8-A | 17 | SGN | C2-N2-S1-O1S |
| 1 | 11-A | 17 | SGN | C2-N2-S1-O2S |
| 1 | 12-A | 17 | SGN | C4-C5-C6-O6 |
| 1 | 12-A | 17 | SGN | O5-C5-C6-O6 |
| 1 | 12-A | 17 | SGN | C2-N2-S1-O1S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 13-A | 17 | SGN | C2-N2-S1-O2S |
| 1 | 14-A | 17 | SGN | C2-N2-S1-O2S |
| 1 | 1-A | 18 | IDS | C4-C5-C6-O6A |
| 1 | 1-A | 18 | IDS | C4-C5-C6-O6B |
| 1 | 2-A | 18 | IDS | C2-O2-S-O3S |
| 1 | 3-A | 18 | IDS | C2-O2-S-O3S |
| 1 | 4-A | 18 | IDS | C4-C5-C6-O6A |
| 1 | 4-A | 18 | IDS | C4-C5-C6-O6B |
| 1 | 4-A | 18 | IDS | C2-O2-S-O3S |
| 1 | 7-A | 18 | IDS | C4-C5-C6-O6A |
| 1 | 7-A | 18 | IDS | C4-C5-C6-O6B |
| 1 | 7-A | 18 | IDS | C2-O2-S-O3S |
| 1 | 8-A | 18 | IDS | C2-O2-S-O3S |
| 1 | 9-A | 18 | IDS | C4-C5-C6-O6A |
| 1 | 9-A | 18 | IDS | C4-C5-C6-O6B |
| 1 | 10-A | 18 | IDS | C1-C2-O2-S |
| 1 | 10-A | 18 | IDS | C3-C2-O2-S |
| 1 | 10-A | 18 | IDS | C2-O2-S-O2S |
| 1 | 11-A | 18 | IDS | C2-O2-S-O3S |
| 1 | 12-A | 18 | IDS | C2-O2-S-O3S |
| 1 | 14-A | 18 | IDS | C1-C2-O2-S |
| 1 | 14-A | 18 | IDS | C3-C2-O2-S |
| 1 | 1-A | 19 | SGN | C2-N2-S1-O1S |
| 1 | 1-A | 19 | SGN | C6-O6-S2-O4S |
| 1 | 2-A | 19 | SGN | C4-C5-C6-O6 |
| 1 | 2-A | 19 | SGN | C2-N2-S1-O1S |
| 1 | 2-A | 19 | SGN | C6-O6-S2-O4S |
| 1 | 3-A | 19 | SGN | C4-C5-C6-O6 |
| 1 | 3-A | 19 | SGN | O5-C5-C6-O6 |
| 1 | 3-A | 19 | SGN | C2-N2-S1-O2S |
| 1 | 4-A | 19 | SGN | C4-C5-C6-O6 |
| 1 | 4-A | 19 | SGN | O5-C5-C6-O6 |
| 1 | 4-A | 19 | SGN | C2-N2-S1-O2S |
| 1 | 4-A | 19 | SGN | C2-N2-S1-O3S |
| 1 | 7-A | 19 | SGN | C2-N2-S1-O2S |
| 1 | 8-A | 19 | SGN | C4-C5-C6-O6 |
| 1 | 8-A | 19 | SGN | O5-C5-C6-O6 |
| 1 | 8-A | 19 | SGN | C2-N2-S1-O2S |
| 1 | 8-A | 19 | SGN | C2-N2-S1-O3S |
| 1 | 10-A | 19 | SGN | C4-C5-C6-O6 |
| 1 | 10-A | 19 | SGN | O5-C5-C6-O6 |
| 1 | 10-A | 19 | SGN | C2-N2-S1-O1S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 11-A | 19 | SGN | C2-N2-S1-O2S |
| 1 | 11-A | 19 | SGN | C2-N2-S1-O3S |
| 1 | 12-A | 19 | SGN | C2-N2-S1-O2S |
| 1 | 12-A | 19 | SGN | C2-N2-S1-O3S |
| 1 | 13-A | 19 | SGN | C4-C5-C6-O6 |
| 1 | 13-A | 19 | SGN | O5-C5-C6-O6 |
| 1 | 13-A | 19 | SGN | C2-N2-S1-O1S |
| 1 | 14-A | 19 | SGN | C2-N2-S1-O2S |
| 1 | 2-A | 20 | IDS | C2-O2-S-O1S |
| 1 | 2-A | 20 | IDS | C2-O2-S-O3S |
| 1 | 4-A | 20 | IDS | C4-C5-C6-O6A |
| 1 | 4-A | 20 | IDS | C4-C5-C6-O6B |
| 1 | 6-A | 20 | IDS | C2-O2-S-O2S |
| 1 | 8-A | 20 | IDS | C2-O2-S-O3S |
| 1 | 12-A | 20 | IDS | C2-O2-S-O2S |
| 1 | 13-A | 20 | IDS | C1-C2-O2-S |
| 1 | 13-A | 20 | IDS | C3-C2-O2-S |
| 1 | 13-A | 20 | IDS | C2-O2-S-O1S |
| 1 | 13-A | 20 | IDS | C2-O2-S-O2S |
| 1 | 13-A | 20 | IDS | C2-O2-S-O3S |
| 1 | 1-A | 21 | SGN | O5-C5-C6-O6 |
| 1 | 1-A | 21 | SGN | C2-N2-S1-O2S |
| 1 | 1-A | 21 | SGN | C2-N2-S1-O3S |
| 1 | 3-A | 21 | SGN | C2-N2-S1-O1S |
| 1 | 4-A | 21 | SGN | O5-C5-C6-O6 |
| 1 | 4-A | 21 | SGN | C2-N2-S1-O2S |
| 1 | 4-A | 21 | SGN | C2-N2-S1-O3S |
| 1 | 6-A | 21 | SGN | C2-N2-S1-O1S |
| 1 | 7-A | 21 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 21 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 21 | SGN | C2-N2-S1-O2S |
| 1 | 7-A | 21 | SGN | C2-N2-S1-O3S |
| 1 | 8-A | 21 | SGN | C4-C5-C6-O6 |
| 1 | 8-A | 21 | SGN | O5-C5-C6-O6 |
| 1 | 8-A | 21 | SGN | C2-N2-S1-O1S |
| 1 | 9-A | 21 | SGN | C2-N2-S1-O1S |
| 1 | 10-A | 21 | SGN | C2-N2-S1-O1S |
| 1 | 12-A | 21 | SGN | C2-N2-S1-O2S |
| 1 | 14-A | 21 | SGN | C2-N2-S1-O2S |
| 1 | 2-A | 22 | IDS | C4-C5-C6-O6A |
| 1 | 2-A | 22 | IDS | C4-C5-C6-O6B |
| 1 | 3-A | 22 | IDS | C4-C5-C6-O6A |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 3-A | 22 | IDS | C4-C5-C6-O6B |
| 1 | 3-A | 22 | IDS | C2-O2-S-O1S |
| 1 | 3-A | 22 | IDS | C2-O2-S-O2S |
| 1 | 3-A | 22 | IDS | C2-O2-S-O3S |
| 1 | 6-A | 22 | IDS | C2-O2-S-O3S |
| 1 | 9-A | 22 | IDS | C1-C2-O2-S |
| 1 | 9-A | 22 | IDS | C3-C2-O2-S |
| 1 | 1-A | 23 | SGN | C2-N2-S1-O2S |
| 1 | 2-A | 23 | SGN | C2-N2-S1-O2S |
| 1 | 2-A | 23 | SGN | C2-N2-S1-O3S |
| 1 | 3-A | 23 | SGN | C4-C5-C6-O6 |
| 1 | 3-A | 23 | SGN | O5-C5-C6-O6 |
| 1 | 3-A | 23 | SGN | C6-O6-S2-O6S |
| 1 | 6-A | 23 | SGN | C4-C5-C6-O6 |
| 1 | 6-A | 23 | SGN | O5-C5-C6-O6 |
| 1 | 6-A | 23 | SGN | C2-N2-S1-O2S |
| 1 | 7-A | 23 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 23 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 23 | SGN | C2-N2-S1-O2S |
| 1 | 8-A | 23 | SGN | C4-C5-C6-O6 |
| 1 | 9-A | 23 | SGN | C2-N2-S1-O2S |
| 1 | 10-A | 23 | SGN | C4-C5-C6-O6 |
| 1 | 10-A | 23 | SGN | O5-C5-C6-O6 |
| 1 | 11-A | 23 | SGN | C4-C5-C6-O6 |
| 1 | 11-A | 23 | SGN | O5-C5-C6-O6 |
| 1 | 12-A | 23 | SGN | C4-C5-C6-O6 |
| 1 | 12-A | 23 | SGN | O5-C5-C6-O6 |
| 1 | 13-A | 23 | SGN | C4-C5-C6-O6 |
| 1 | 13-A | 23 | SGN | O5-C5-C6-O6 |
| 1 | 14-A | 23 | SGN | C4-C5-C6-O6 |
| 1 | 14-A | 23 | SGN | O5-C5-C6-O6 |
| 1 | 14-A | 23 | SGN | C2-N2-S1-O2S |
| 1 | 3-A | 24 | IDS | C1-C2-O2-S |
| 1 | 3-A | 24 | IDS | C3-C2-O2-S |
| 1 | 7-A | 24 | IDS | C1-C2-O2-S |
| 1 | 7-A | 24 | IDS | C4-C5-C6-O6A |
| 1 | 7-A | 24 | IDS | C4-C5-C6-O6B |
| 1 | 7-A | 24 | IDS | C2-O2-S-O1S |
| 1 | 7-A | 24 | IDS | C2-O2-S-O2S |
| 1 | 7-A | 24 | IDS | C2-O2-S-O3S |
| 1 | 8-A | 24 | IDS | C4-C5-C6-O6A |
| 1 | 8-A | 24 | IDS | C4-C5-C6-O6B |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 14-A | 24 | IDS | C1-C2-O2-S |
| 1 | 14-A | 24 | IDS | C3-C2-O2-S |
| 1 | 1-A | 25 | SGN | C2-N2-S1-O2S |
| 1 | 2-A | 25 | SGN | C2-N2-S1-O2S |
| 1 | 4-A | 25 | SGN | C4-C5-C6-O6 |
| 1 | 4-A | 25 | SGN | O5-C5-C6-O6 |
| 1 | 5-A | 25 | SGN | O5-C5-C6-O6 |
| 1 | 6-A | 25 | SGN | C4-C5-C6-O6 |
| 1 | 6-A | 25 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 25 | SGN | C2-N2-S1-O2S |
| 1 | 8-A | 25 | SGN | O5-C5-C6-O6 |
| 1 | 9-A | 25 | SGN | C4-C5-C6-O6 |
| 1 | 9-A | 25 | SGN | O5-C5-C6-O6 |
| 1 | 9-A | 25 | SGN | C2-N2-S1-O2S |
| 1 | 10-A | 25 | SGN | C4-C5-C6-O6 |
| 1 | 10-A | 25 | SGN | O5-C5-C6-O6 |
| 1 | 11-A | 25 | SGN | C2-N2-S1-O1S |
| 1 | 12-A | 25 | SGN | C4-C5-C6-O6 |
| 1 | 12-A | 25 | SGN | O5-C5-C6-O6 |
| 1 | 13-A | 25 | SGN | C2-N2-S1-O1S |
| 1 | 1-A | 26 | IDS | C4-C5-C6-O6A |
| 1 | 1-A | 26 | IDS | C4-C5-C6-O6B |
| 1 | 2-A | 26 | IDS | C4-C5-C6-O6A |
| 1 | 2-A | 26 | IDS | C4-C5-C6-O6B |
| 1 | 3-A | 26 | IDS | C1-C2-O2-S |
| 1 | 3-A | 26 | IDS | C3-C2-O2-S |
| 1 | 3-A | 26 | IDS | C4-C5-C6-O6A |
| 1 | 3-A | 26 | IDS | C4-C5-C6-O6B |
| 1 | 3-A | 26 | IDS | C2-O2-S-O3S |
| 1 | 6-A | 26 | IDS | C1-C2-O2-S |
| 1 | 6-A | 26 | IDS | C3-C2-O2-S |
| 1 | 8-A | 26 | IDS | C2-O2-S-O3S |
| 1 | 9-A | 26 | IDS | C4-C5-C6-O6A |
| 1 | 9-A | 26 | IDS | C4-C5-C6-O6B |
| 1 | 10-A | 26 | IDS | C4-C5-C6-O6A |
| 1 | 10-A | 26 | IDS | C4-C5-C6-O6B |
| 1 | 12-A | 26 | IDS | C1-C2-O2-S |
| 1 | 12-A | 26 | IDS | C3-C2-O2-S |
| 1 | 14-A | 26 | IDS | C4-C5-C6-O6A |
| 1 | 14-A | 26 | IDS | C4-C5-C6-O6B |
| 1 | 3-A | 27 | SGN | C2-N2-S1-O2S |
| 1 | 3-A | 27 | SGN | C2-N2-S1-O3S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 5-A | 27 | SGN | C2-N2-S1-O2S |
| 1 | 8-A | 27 | SGN | C2-N2-S1-O2S |
| 1 | 8-A | 27 | SGN | C2-N2-S1-O3S |
| 1 | 9-A | 27 | SGN | O5-C5-C6-O6 |
| 1 | 10-A | 27 | SGN | C4-C5-C6-O6 |
| 1 | 10-A | 27 | SGN | O5-C5-C6-O6 |
| 1 | 10-A | 27 | SGN | C2-N2-S1-O2S |
| 1 | 10-A | 27 | SGN | C2-N2-S1-O3S |
| 1 | 12-A | 27 | SGN | C4-C5-C6-O6 |
| 1 | 12-A | 27 | SGN | C2-N2-S1-O2S |
| 1 | 13-A | 27 | SGN | C2-N2-S1-O1S |
| 1 | 14-A | 27 | SGN | C4-C5-C6-O6 |
| 1 | 14-A | 27 | SGN | O5-C5-C6-O6 |
| 1 | 1-A | 28 | IDS | C1-C2-O2-S |
| 1 | 1-A | 28 | IDS | C2-O2-S-O3S |
| 1 | 2-A | 28 | IDS | C1-C2-O2-S |
| 1 | 2-A | 28 | IDS | C4-C5-C6-O6A |
| 1 | 2-A | 28 | IDS | C4-C5-C6-O6B |
| 1 | 2-A | 28 | IDS | C2-O2-S-O3S |
| 1 | 4-A | 28 | IDS | C4-C5-C6-O6A |
| 1 | 4-A | 28 | IDS | C4-C5-C6-O6B |
| 1 | 5-A | 28 | IDS | C4-C5-C6-O6A |
| 1 | 5-A | 28 | IDS | C4-C5-C6-O6B |
| 1 | 6-A | 28 | IDS | C1-C2-O2-S |
| 1 | 6-A | 28 | IDS | C3-C2-O2-S |
| 1 | 7-A | 28 | IDS | C4-C5-C6-O6A |
| 1 | 7-A | 28 | IDS | C4-C5-C6-O6B |
| 1 | 8-A | 28 | IDS | C1-C2-O2-S |
| 1 | 8-A | 28 | IDS | C2-O2-S-O2S |
| 1 | 10-A | 28 | IDS | C2-O2-S-O3S |
| 1 | 11-A | 28 | IDS | C1-C2-O2-S |
| 1 | 11-A | 28 | IDS | C4-C5-C6-O6A |
| 1 | 11-A | 28 | IDS | C4-C5-C6-O6B |
| 1 | 13-A | 28 | IDS | C2-O2-S-O2S |
| 1 | 3-A | 29 | SGN | C4-C5-C6-O6 |
| 1 | 3-A | 29 | SGN | O5-C5-C6-O6 |
| 1 | 4-A | 29 | SGN | C4-C5-C6-O6 |
| 1 | 4-A | 29 | SGN | O5-C5-C6-O6 |
| 1 | 4-A | 29 | SGN | C2-N2-S1-O2S |
| 1 | 5-A | 29 | SGN | C2-N2-S1-O2S |
| 1 | 5-A | 29 | SGN | C2-N2-S1-O3S |
| 1 | 6-A | 29 | SGN | C4-C5-C6-O6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 6-A | 29 | SGN | O5-C5-C6-O6 |
| 1 | 6-A | 29 | SGN | C2-N2-S1-O2S |
| 1 | 6-A | 29 | SGN | C2-N2-S1-O3S |
| 1 | 7-A | 29 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 29 | SGN | C2-N2-S1-O1S |
| 1 | 7-A | 29 | SGN | C6-O6-S2-O4S |
| 1 | 8-A | 29 | SGN | O5-C5-C6-O6 |
| 1 | 9-A | 29 | SGN | C4-C5-C6-O6 |
| 1 | 9-A | 29 | SGN | O5-C5-C6-O6 |
| 1 | 9-A | 29 | SGN | C2-N2-S1-O2S |
| 1 | 10-A | 29 | SGN | C2-N2-S1-O1S |
| 1 | 11-A | 29 | SGN | C4-C5-C6-O6 |
| 1 | 11-A | 29 | SGN | O5-C5-C6-O6 |
| 1 | 11-A | 29 | SGN | C2-N2-S1-O1S |
| 1 | 12-A | 29 | SGN | C2-N2-S1-O1S |
| 1 | 13-A | 29 | SGN | C2-N2-S1-O2S |
| 1 | 13-A | 29 | SGN | C2-N2-S1-O3S |
| 1 | 14-A | 29 | SGN | C4-C5-C6-O6 |
| 1 | 14-A | 29 | SGN | O5-C5-C6-O6 |
| 1 | 14-A | 29 | SGN | C2-N2-S1-O2S |
| 1 | 14-A | 29 | SGN | C2-N2-S1-O3S |
| 1 | 1-A | 30 | IDS | C1-C2-O2-S |
| 1 | 4-A | 30 | IDS | C2-O2-S-O2S |
| 1 | 5-A | 30 | IDS | C2-O2-S-O3S |
| 1 | 6-A | 30 | IDS | C2-O2-S-O2S |
| 1 | 13-A | 30 | IDS | C4-C5-C6-O6A |
| 1 | 13-A | 30 | IDS | C4-C5-C6-O6B |
| 1 | 13-A | 30 | IDS | C2-O2-S-O3S |
| 1 | 1-A | 31 | SGN | C4-C5-C6-O6 |
| 1 | 1-A | 31 | SGN | O5-C5-C6-O6 |
| 1 | 1-A | 31 | SGN | C2-N2-S1-O2S |
| 1 | 2-A | 31 | SGN | O5-C5-C6-O6 |
| 1 | 2-A | 31 | SGN | C2-N2-S1-O2S |
| 1 | 3-A | 31 | SGN | C2-N2-S1-O2S |
| 1 | 4-A | 31 | SGN | C4-C5-C6-O6 |
| 1 | 4-A | 31 | SGN | O5-C5-C6-O6 |
| 1 | 4-A | 31 | SGN | C2-N2-S1-O2S |
| 1 | 4-A | 31 | SGN | C2-N2-S1-O3S |
| 1 | 5-A | 31 | SGN | C6-O6-S2-O4S |
| 1 | 6-A | 31 | SGN | C2-N2-S1-O2S |
| 1 | 9-A | 31 | SGN | O5-C5-C6-O6 |
| 1 | 10-A | 31 | SGN | C2-N2-S1-O2S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 10-A | 31 | SGN | C2-N2-S1-O3S |
| 1 | 11-A | 31 | SGN | O5-C5-C6-O6 |
| 1 | 11-A | 31 | SGN | C2-N2-S1-O2S |
| 1 | 12-A | 31 | SGN | C2-N2-S1-O2S |
| 1 | 12-A | 31 | SGN | C2-N2-S1-O3S |
| 1 | 13-A | 31 | SGN | O5-C5-C6-O6 |
| 1 | 14-A | 31 | SGN | C4-C5-C6-O6 |
| 1 | 14-A | 31 | SGN | O5-C5-C6-O6 |
| 1 | 14-A | 31 | SGN | C2-N2-S1-O1S |
| 1 | 1-A | 32 | IDS | C1-C2-O2-S |
| 1 | 1-A | 32 | IDS | C3-C2-O2-S |
| 1 | 3-A | 32 | IDS | C4-C5-C6-O6A |
| 1 | 3-A | 32 | IDS | C4-C5-C6-O6B |
| 1 | 5-A | 32 | IDS | C2-O2-S-O3S |
| 1 | 6-A | 32 | IDS | C4-C5-C6-O6A |
| 1 | 6-A | 32 | IDS | C4-C5-C6-O6B |
| 1 | 7-A | 32 | IDS | C1-C2-O2-S |
| 1 | 7-A | 32 | IDS | C3-C2-O2-S |
| 1 | 9-A | 32 | IDS | C2-O2-S-O3S |
| 1 | 11-A | 32 | IDS | C2-O2-S-O1S |
| 1 | 11-A | 32 | IDS | C2-O2-S-O2S |
| 1 | 11-A | 32 | IDS | C2-O2-S-O3S |
| 1 | 12-A | 32 | IDS | C4-C5-C6-O6A |
| 1 | 12-A | 32 | IDS | C4-C5-C6-O6B |
| 1 | 13-A | 32 | IDS | C4-C5-C6-O6A |
| 1 | 13-A | 32 | IDS | C4-C5-C6-O6B |
| 1 | 14-A | 32 | IDS | C1-C2-O2-S |
| 1 | 14-A | 32 | IDS | C3-C2-O2-S |
| 1 | 1-A | 33 | SGN | C2-N2-S1-O2S |
| 1 | 1-A | 33 | SGN | C2-N2-S1-O3S |
| 1 | 3-A | 33 | SGN | C4-C5-C6-O6 |
| 1 | 3-A | 33 | SGN | O5-C5-C6-O6 |
| 1 | 3-A | 33 | SGN | C2-N2-S1-O2S |
| 1 | 4-A | 33 | SGN | C4-C5-C6-O6 |
| 1 | 4-A | 33 | SGN | O5-C5-C6-O6 |
| 1 | 4-A | 33 | SGN | C2-N2-S1-O2S |
| 1 | 7-A | 33 | SGN | C2-N2-S1-O2S |
| 1 | 8-A | 33 | SGN | C2-N2-S1-O1S |
| 1 | 10-A | 33 | SGN | C2-N2-S1-O1S |
| 1 | 11-A | 33 | SGN | C2-N2-S1-O2S |
| 1 | 11-A | 33 | SGN | C2-N2-S1-O3S |
| 1 | 12-A | 33 | SGN | C2-N2-S1-O2S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 13-A | 33 | SGN | C4-C5-C6-O6 |
| 1 | 13-A | 33 | SGN | O5-C5-C6-O6 |
| 1 | 14-A | 33 | SGN | C2-N2-S1-O2S |
| 1 | 14-A | 33 | SGN | C2-N2-S1-O3S |
| 1 | 2-A | 34 | IDS | C1-C2-O2-S |
| 1 | 2-A | 34 | IDS | C3-C2-O2-S |
| 1 | 2-A | 34 | IDS | C4-C5-C6-O6A |
| 1 | 2-A | 34 | IDS | C4-C5-C6-O6B |
| 1 | 2-A | 34 | IDS | C2-O2-S-O1S |
| 1 | 2-A | 34 | IDS | C2-O2-S-O2S |
| 1 | 2-A | 34 | IDS | C2-O2-S-O3S |
| 1 | 3-A | 34 | IDS | C2-O2-S-O1S |
| 1 | 3-A | 34 | IDS | C2-O2-S-O3S |
| 1 | 4-A | 34 | IDS | C4-C5-C6-O6A |
| 1 | 4-A | 34 | IDS | C4-C5-C6-O6B |
| 1 | 4-A | 34 | IDS | C2-O2-S-O3S |
| 1 | 10-A | 34 | IDS | C2-O2-S-O3S |
| 1 | 11-A | 34 | IDS | C1-C2-O2-S |
| 1 | 11-A | 34 | IDS | C3-C2-O2-S |
| 1 | 11-A | 34 | IDS | C2-O2-S-O3S |
| 1 | 14-A | 34 | IDS | C2-O2-S-O3S |
| 1 | 2-A | 35 | SGN | C4-C5-C6-O6 |
| 1 | 2-A | 35 | SGN | O5-C5-C6-O6 |
| 1 | 2-A | 35 | SGN | C2-N2-S1-O1S |
| 1 | 3-A | 35 | SGN | O5-C5-C6-O6 |
| 1 | 3-A | 35 | SGN | C2-N2-S1-O1S |
| 1 | 4-A | 35 | SGN | C4-C5-C6-O6 |
| 1 | 4-A | 35 | SGN | O5-C5-C6-O6 |
| 1 | 4-A | 35 | SGN | C2-N2-S1-O2S |
| 1 | 5-A | 35 | SGN | C2-N2-S1-O2S |
| 1 | 7-A | 35 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 35 | SGN | O5-C5-C6-O6 |
| 1 | 8-A | 35 | SGN | C2-N2-S1-O1S |
| 1 | 9-A | 35 | SGN | O5-C5-C6-O6 |
| 1 | 9-A | 35 | SGN | C2-N2-S1-O2S |
| 1 | 9-A | 35 | SGN | C2-N2-S1-O3S |
| 1 | 10-A | 35 | SGN | C2-N2-S1-O2S |
| 1 | 10-A | 35 | SGN | C2-N2-S1-O3S |
| 1 | 11-A | 35 | SGN | O5-C5-C6-O6 |
| 1 | 12-A | 35 | SGN | C4-C5-C6-O6 |
| 1 | 12-A | 35 | SGN | O5-C5-C6-O6 |
| 1 | 13-A | 35 | SGN | C4-C5-C6-O6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 13-A | 35 | SGN | O5-C5-C6-O6 |
| 1 | 14-A | 35 | SGN | C2-N2-S1-O2S |
| 1 | 14-A | 35 | SGN | C2-N2-S1-O3S |
| 1 | 14-A | 35 | SGN | C6-O6-S2-O6S |
| 1 | 4-A | 36 | IDS | C2-O2-S-O3S |
| 1 | 5-A | 36 | IDS | C2-O2-S-O1S |
| 1 | 5-A | 36 | IDS | C2-O2-S-O3S |
| 1 | 10-A | 36 | IDS | C2-O2-S-O3S |
| 1 | 14-A | 36 | IDS | C1-C2-O2-S |
| 1 | 12-A | 7 | SGN | C6-O6-S2-O4S |
| 1 | 13-A | 7 | SGN | C6-O6-S2-O5S |
| 1 | 3-A | 13 | SGN | C6-O6-S2-O4S |
| 1 | 9-A | 13 | SGN | C6-O6-S2-O4S |
| 1 | 10-A | 13 | SGN | C6-O6-S2-O5S |
| 1 | 4-A | 19 | SGN | C6-O6-S2-O4S |
| 1 | 14-A | 19 | SGN | C6-O6-S2-O4S |
| 1 | 8-A | 23 | SGN | C6-O6-S2-O4S |
| 1 | 6-A | 25 | SGN | C6-O6-S2-O4S |
| 1 | 13-A | 27 | SGN | C6-O6-S2-O4S |
| 1 | 6-A | 33 | SGN | C6-O6-S2-O4S |
| 1 | 8-A | 33 | SGN | C6-O6-S2-O4S |
| 1 | 14-A | 33 | SGN | C6-O6-S2-O4S |
| 1 | 1-A | 35 | SGN | C6-O6-S2-O4S |
| 1 | 5-A | 35 | SGN | C6-O6-S2-O4S |
| 1 | 3-A | 1 | SGN | C6-O6-S2-O4S |
| 1 | 5-A | 1 | SGN | C6-O6-S2-O4S |
| 1 | 5-A | 3 | SGN | C6-O6-S2-O4S |
| 1 | 6-A | 3 | SGN | C6-O6-S2-O4S |
| 1 | 9-A | 3 | SGN | C6-O6-S2-O4S |
| 1 | 10-A | 3 | SGN | C6-O6-S2-O4S |
| 1 | 11-A | 3 | SGN | C6-O6-S2-O4S |
| 1 | 13-A | 3 | SGN | C6-O6-S2-O4S |
| 1 | 5-A | 5 | SGN | C6-O6-S2-O4S |
| 1 | 14-A | 5 | SGN | C6-O6-S2-O4S |
| 1 | 13-A | 7 | SGN | C6-O6-S2-O4S |
| 1 | 3-A | 9 | SGN | C6-O6-S2-O4S |
| 1 | 3-A | 11 | SGN | C6-O6-S2-O4S |
| 1 | 7-A | 11 | SGN | C6-O6-S2-O4S |
| 1 | 12-A | 11 | SGN | C6-O6-S2-O4S |
| 1 | 2-A | 13 | SGN | C6-O6-S2-O4S |
| 1 | 4-A | 13 | SGN | C6-O6-S2-O4S |
| 1 | 6-A | 13 | SGN | C6-O6-S2-O4S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 7-A | 13 | SGN | C6-O6-S2-O4S |
| 1 | 10-A | 13 | SGN | C6-O6-S2-O4S |
| 1 | 13-A | 13 | SGN | C6-O6-S2-O4S |
| 1 | 2-A | 15 | SGN | C6-O6-S2-O4S |
| 1 | 6-A | 17 | SGN | C6-O6-S2-O4S |
| 1 | 3-A | 19 | SGN | C6-O6-S2-O5S |
| 1 | 6-A | 19 | SGN | C6-O6-S2-O4S |
| 1 | 11-A | 19 | SGN | C6-O6-S2-O4S |
| 1 | 5-A | 21 | SGN | C6-O6-S2-O4S |
| 1 | 7-A | 21 | SGN | C6-O6-S2-O4S |
| 1 | 8-A | 21 | SGN | C6-O6-S2-O4S |
| 1 | 1-A | 23 | SGN | C6-O6-S2-O4S |
| 1 | 6-A | 23 | SGN | C6-O6-S2-O4S |
| 1 | 13-A | 23 | SGN | C6-O6-S2-O4S |
| 1 | 14-A | 23 | SGN | C6-O6-S2-O4S |
| 1 | 4-A | 25 | SGN | C6-O6-S2-O4S |
| 1 | 7-A | 25 | SGN | C6-O6-S2-O4S |
| 1 | 9-A | 25 | SGN | C6-O6-S2-O5S |
| 1 | 12-A | 25 | SGN | C6-O6-S2-O4S |
| 1 | 1-A | 27 | SGN | C6-O6-S2-O4S |
| 1 | 14-A | 27 | SGN | C6-O6-S2-O4S |
| 1 | 2-A | 29 | SGN | C6-O6-S2-O4S |
| 1 | 4-A | 29 | SGN | C6-O6-S2-O5S |
| 1 | 11-A | 29 | SGN | C6-O6-S2-O4S |
| 1 | 6-A | 31 | SGN | C6-O6-S2-O5S |
| 1 | 9-A | 33 | SGN | C6-O6-S2-O4S |
| 1 | 11-A | 33 | SGN | C6-O6-S2-O4S |
| 1 | 2-A | 35 | SGN | C6-O6-S2-O4S |
| 1 | 2-A | 35 | SGN | C6-O6-S2-O5S |
| 1 | 6-A | 35 | SGN | C6-O6-S2-O4S |
| 1 | 7-A | 35 | SGN | C6-O6-S2-O4S |
| 1 | 10-A | 1 | SGN | O5-C5-C6-O6 |
| 1 | 4-A | 3 | SGN | C1-C2-N2-S1 |
| 1 | 9-A | 3 | SGN | C1-C2-N2-S1 |
| 1 | 1-A | 5 | SGN | C1-C2-N2-S1 |
| 1 | 8-A | 5 | SGN | O5-C5-C6-O6 |
| 1 | 9-A | 5 | SGN | O5-C5-C6-O6 |
| 1 | 12-A | 5 | SGN | O5-C5-C6-O6 |
| 1 | 10-A | 9 | SGN | C1-C2-N2-S1 |
| 1 | 11-A | 9 | SGN | O5-C5-C6-O6 |
| 1 | 5-A | 11 | SGN | C1-C2-N2-S1 |
| 1 | 8-A | 11 | SGN | C1-C2-N2-S1 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 13-A | 11 | SGN | O5-C5-C6-O6 |
| 1 | 2-A | 13 | SGN | C1-C2-N2-S1 |
| 1 | 14-A | 15 | SGN | C1-C2-N2-S1 |
| 1 | 5-A | 17 | SGN | O5-C5-C6-O6 |
| 1 | 11-A | 17 | SGN | O5-C5-C6-O6 |
| 1 | 2-A | 19 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 23 | SGN | C1-C2-N2-S1 |
| 1 | 2-A | 25 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 25 | SGN | O5-C5-C6-O6 |
| 1 | 13-A | 25 | SGN | O5-C5-C6-O6 |
| 1 | 12-A | 27 | SGN | O5-C5-C6-O6 |
| 1 | 13-A | 27 | SGN | O5-C5-C6-O6 |
| 1 | 2-A | 29 | SGN | O5-C5-C6-O6 |
| 1 | 3-A | 31 | SGN | O5-C5-C6-O6 |
| 1 | 5-A | 31 | SGN | C1-C2-N2-S1 |
| 1 | 7-A | 31 | SGN | C1-C2-N2-S1 |
| 1 | 7-A | 31 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 33 | SGN | O5-C5-C6-O6 |
| 1 | 12-A | 33 | SGN | C1-C2-N2-S1 |
| 1 | 1-A | 35 | SGN | O5-C5-C6-O6 |
| 1 | 5-A | 35 | SGN | C1-C2-N2-S1 |
| 1 | 8-A | 7 | SGN | C4-C5-C6-O6 |
| 1 | 1-A | 21 | SGN | C4-C5-C6-O6 |
| 1 | 4-A | 21 | SGN | C4-C5-C6-O6 |
| 1 | 8-A | 25 | SGN | C4-C5-C6-O6 |
| 1 | 9-A | 27 | SGN | C4-C5-C6-O6 |
| 1 | 2-A | 31 | SGN | C4-C5-C6-O6 |
| 1 | 9-A | 31 | SGN | C4-C5-C6-O6 |
| 1 | 4-A | 1 | SGN | C6-O6-S2-O6S |
| 1 | 7-A | 1 | SGN | C6-O6-S2-O6S |
| 1 | 9-A | 1 | SGN | C6-O6-S2-O6S |
| 1 | 11-A | 1 | SGN | C6-O6-S2-O6S |
| 1 | 5-A | 3 | SGN | C6-O6-S2-O6S |
| 1 | 7-A | 3 | SGN | C6-O6-S2-O6S |
| 1 | 3-A | 5 | SGN | C6-O6-S2-O6S |
| 1 | 6-A | 5 | SGN | C6-O6-S2-O6S |
| 1 | 7-A | 5 | SGN | C6-O6-S2-O6S |
| 1 | 12-A | 7 | SGN | C6-O6-S2-O6S |
| 1 | 13-A | 7 | SGN | C6-O6-S2-O6S |
| 1 | 2-A | 11 | SGN | C6-O6-S2-O6S |
| 1 | 5-A | 11 | SGN | C6-O6-S2-O6S |
| 1 | 2-A | 13 | SGN | C6-O6-S2-O6S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 3-A | 13 | SGN | C6-O6-S2-O6S |
| 1 | 9-A | 13 | SGN | C6-O6-S2-O6S |
| 1 | 10-A | 13 | SGN | C6-O6-S2-O6S |
| 1 | 13-A | 13 | SGN | C6-O6-S2-O6S |
| 1 | 1-A | 15 | SGN | C6-O6-S2-O6S |
| 1 | 1-A | 19 | SGN | C6-O6-S2-O6S |
| 1 | 2-A | 19 | SGN | C6-O6-S2-O6S |
| 1 | 4-A | 19 | SGN | C6-O6-S2-O6S |
| 1 | 10-A | 19 | SGN | C6-O6-S2-O6S |
| 1 | 14-A | 19 | SGN | C6-O6-S2-O6S |
| 1 | 4-A | 21 | SGN | C6-O6-S2-O6S |
| 1 | 10-A | 21 | SGN | C6-O6-S2-O6S |
| 1 | 11-A | 21 | SGN | C6-O6-S2-O6S |
| 1 | 1-A | 23 | SGN | C6-O6-S2-O6S |
| 1 | 4-A | 23 | SGN | C6-O6-S2-O6S |
| 1 | 8-A | 23 | SGN | C6-O6-S2-O6S |
| 1 | 6-A | 25 | SGN | C6-O6-S2-O6S |
| 1 | 7-A | 25 | SGN | C6-O6-S2-O6S |
| 1 | 9-A | 25 | SGN | C6-O6-S2-O6S |
| 1 | 1-A | 27 | SGN | C6-O6-S2-O6S |
| 1 | 4-A | 27 | SGN | C6-O6-S2-O6S |
| 1 | 12-A | 27 | SGN | C6-O6-S2-O6S |
| 1 | 13-A | 27 | SGN | C6-O6-S2-O6S |
| 1 | 6-A | 29 | SGN | C6-O6-S2-O6S |
| 1 | 7-A | 29 | SGN | C6-O6-S2-O6S |
| 1 | 9-A | 29 | SGN | C6-O6-S2-O6S |
| 1 | 11-A | 29 | SGN | C6-O6-S2-O6S |
| 1 | 12-A | 29 | SGN | C6-O6-S2-O6S |
| 1 | 5-A | 31 | SGN | C6-O6-S2-O6S |
| 1 | 6-A | 33 | SGN | C6-O6-S2-O6S |
| 1 | 8-A | 33 | SGN | C6-O6-S2-O6S |
| 1 | 11-A | 33 | SGN | C6-O6-S2-O6S |
| 1 | 14-A | 33 | SGN | C6-O6-S2-O6S |
| 1 | 1-A | 35 | SGN | C6-O6-S2-O6S |
| 1 | 2-A | 35 | SGN | C6-O6-S2-O6S |
| 1 | 3-A | 35 | SGN | C6-O6-S2-O6S |
| 1 | 5-A | 35 | SGN | C6-O6-S2-O6S |
| 1 | 6-A | 35 | SGN | C6-O6-S2-O6S |
| 1 | 1-A | 2 | IDS | C2-O2-S-O1S |
| 1 | 1-A | 2 | IDS | C2-O2-S-O2S |
| 1 | 2-A | 2 | IDS | C2-O2-S-O1S |
| 1 | 2-A | 2 | IDS | C2-O2-S-O2S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-------------|
| 1 | 3-A | 2 | IDS | C2-O2-S-O1S |
| 1 | 5-A | 2 | IDS | C2-O2-S-O1S |
| 1 | 5-A | 2 | IDS | C2-O2-S-O2S |
| 1 | 1-A | 4 | IDS | C2-O2-S-O1S |
| 1 | 3-A | 4 | IDS | C2-O2-S-O1S |
| 1 | 5-A | 4 | IDS | C2-O2-S-O1S |
| 1 | 6-A | 4 | IDS | C2-O2-S-O1S |
| 1 | 6-A | 4 | IDS | C2-O2-S-O2S |
| 1 | 7-A | 4 | IDS | C2-O2-S-O1S |
| 1 | 11-A | 4 | IDS | C2-O2-S-O1S |
| 1 | 13-A | 4 | IDS | C2-O2-S-O1S |
| 1 | 13-A | 4 | IDS | C2-O2-S-O2S |
| 1 | 1-A | 6 | IDS | C2-O2-S-O2S |
| 1 | 11-A | 6 | IDS | C2-O2-S-O1S |
| 1 | 11-A | 6 | IDS | C2-O2-S-O2S |
| 1 | 10-A | 8 | IDS | C2-O2-S-O1S |
| 1 | 10-A | 8 | IDS | C2-O2-S-O2S |
| 1 | 11-A | 8 | IDS | C2-O2-S-O1S |
| 1 | 11-A | 8 | IDS | C2-O2-S-O2S |
| 1 | 2-A | 10 | IDS | C2-O2-S-O1S |
| 1 | 5-A | 10 | IDS | C2-O2-S-O1S |
| 1 | 5-A | 10 | IDS | C2-O2-S-O2S |
| 1 | 7-A | 10 | IDS | C2-O2-S-O1S |
| 1 | 10-A | 10 | IDS | C2-O2-S-O1S |
| 1 | 13-A | 10 | IDS | C2-O2-S-O1S |
| 1 | 6-A | 12 | IDS | C2-O2-S-O1S |
| 1 | 10-A | 12 | IDS | C2-O2-S-O1S |
| 1 | 10-A | 12 | IDS | C2-O2-S-O2S |
| 1 | 11-A | 12 | IDS | C2-O2-S-O1S |
| 1 | 12-A | 12 | IDS | C2-O2-S-O1S |
| 1 | 12-A | 12 | IDS | C2-O2-S-O2S |
| 1 | 14-A | 12 | IDS | C2-O2-S-O2S |
| 1 | 1-A | 14 | IDS | C2-O2-S-O2S |
| 1 | 3-A | 14 | IDS | C2-O2-S-O1S |
| 1 | 5-A | 16 | IDS | C2-O2-S-O1S |
| 1 | 7-A | 16 | IDS | C2-O2-S-O1S |
| 1 | 9-A | 16 | IDS | C2-O2-S-O2S |
| 1 | 12-A | 16 | IDS | C2-O2-S-O1S |
| 1 | 12-A | 16 | IDS | C2-O2-S-O2S |
| 1 | 13-A | 16 | IDS | C2-O2-S-O1S |
| 1 | 3-A | 18 | IDS | C2-O2-S-O1S |
| 1 | 4-A | 18 | IDS | C2-O2-S-O1S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-------------|
| 1 | 7-A | 18 | IDS | C2-O2-S-O1S |
| 1 | 7-A | 18 | IDS | C2-O2-S-O2S |
| 1 | 8-A | 18 | IDS | C2-O2-S-O1S |
| 1 | 10-A | 18 | IDS | C2-O2-S-O1S |
| 1 | 12-A | 18 | IDS | C2-O2-S-O1S |
| 1 | 2-A | 20 | IDS | C2-O2-S-O2S |
| 1 | 5-A | 20 | IDS | C2-O2-S-O1S |
| 1 | 6-A | 20 | IDS | C2-O2-S-O1S |
| 1 | 12-A | 20 | IDS | C2-O2-S-O1S |
| 1 | 11-A | 24 | IDS | C2-O2-S-O1S |
| 1 | 11-A | 24 | IDS | C2-O2-S-O2S |
| 1 | 3-A | 26 | IDS | C2-O2-S-O1S |
| 1 | 8-A | 26 | IDS | C2-O2-S-O1S |
| 1 | 9-A | 26 | IDS | C2-O2-S-O1S |
| 1 | 1-A | 28 | IDS | C2-O2-S-O1S |
| 1 | 4-A | 28 | IDS | C2-O2-S-O1S |
| 1 | 4-A | 28 | IDS | C2-O2-S-O2S |
| 1 | 8-A | 28 | IDS | C2-O2-S-O1S |
| 1 | 10-A | 28 | IDS | C2-O2-S-O1S |
| 1 | 10-A | 28 | IDS | C2-O2-S-O2S |
| 1 | 13-A | 28 | IDS | C2-O2-S-O1S |
| 1 | 4-A | 30 | IDS | C2-O2-S-O1S |
| 1 | 5-A | 30 | IDS | C2-O2-S-O1S |
| 1 | 5-A | 30 | IDS | C2-O2-S-O2S |
| 1 | 6-A | 30 | IDS | C2-O2-S-O1S |
| 1 | 8-A | 30 | IDS | C2-O2-S-O1S |
| 1 | 8-A | 30 | IDS | C2-O2-S-O2S |
| 1 | 10-A | 30 | IDS | C2-O2-S-O1S |
| 1 | 10-A | 30 | IDS | C2-O2-S-O2S |
| 1 | 13-A | 30 | IDS | C2-O2-S-O1S |
| 1 | 1-A | 32 | IDS | C2-O2-S-O1S |
| 1 | 1-A | 32 | IDS | C2-O2-S-O2S |
| 1 | 2-A | 32 | IDS | C2-O2-S-O1S |
| 1 | 2-A | 32 | IDS | C2-O2-S-O2S |
| 1 | 5-A | 32 | IDS | C2-O2-S-O1S |
| 1 | 5-A | 32 | IDS | C2-O2-S-O2S |
| 1 | 8-A | 32 | IDS | C2-O2-S-O1S |
| 1 | 8-A | 32 | IDS | C2-O2-S-O2S |
| 1 | 9-A | 32 | IDS | C2-O2-S-O1S |
| 1 | 13-A | 32 | IDS | C2-O2-S-O1S |
| 1 | 13-A | 32 | IDS | C2-O2-S-O2S |
| 1 | 3-A | 34 | IDS | C2-O2-S-O2S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 4-A | 34 | IDS | C2-O2-S-O1S |
| 1 | 11-A | 34 | IDS | C2-O2-S-O1S |
| 1 | 11-A | 34 | IDS | C2-O2-S-O2S |
| 1 | 14-A | 34 | IDS | C2-O2-S-O1S |
| 1 | 1-A | 36 | IDS | C2-O2-S-O1S |
| 1 | 1-A | 36 | IDS | C2-O2-S-O2S |
| 1 | 5-A | 36 | IDS | C2-O2-S-O2S |
| 1 | 14-A | 36 | IDS | C2-O2-S-O1S |
| 1 | 14-A | 36 | IDS | C2-O2-S-O2S |
| 1 | 4-A | 3 | SGN | C3-C2-N2-S1 |
| 1 | 10-A | 9 | SGN | C3-C2-N2-S1 |
| 1 | 5-A | 11 | SGN | C3-C2-N2-S1 |
| 1 | 2-A | 13 | SGN | C3-C2-N2-S1 |
| 1 | 14-A | 15 | SGN | C3-C2-N2-S1 |
| 1 | 9-A | 17 | SGN | C3-C2-N2-S1 |
| 1 | 12-A | 17 | SGN | C3-C2-N2-S1 |
| 1 | 8-A | 21 | SGN | C3-C2-N2-S1 |
| 1 | 12-A | 21 | SGN | C3-C2-N2-S1 |
| 1 | 6-A | 25 | SGN | C3-C2-N2-S1 |
| 1 | 5-A | 31 | SGN | C3-C2-N2-S1 |
| 1 | 7-A | 31 | SGN | C3-C2-N2-S1 |
| 1 | 14-A | 31 | SGN | C3-C2-N2-S1 |
| 1 | 9-A | 33 | SGN | C3-C2-N2-S1 |
| 1 | 5-A | 35 | SGN | C3-C2-N2-S1 |
| 1 | 8-A | 35 | SGN | C3-C2-N2-S1 |
| 1 | 3-A | 1 | SGN | C6-O6-S2-O5S |
| 1 | 4-A | 1 | SGN | C6-O6-S2-O4S |
| 1 | 4-A | 1 | SGN | C6-O6-S2-O5S |
| 1 | 5-A | 1 | SGN | C6-O6-S2-O5S |
| 1 | 9-A | 1 | SGN | C6-O6-S2-O5S |
| 1 | 11-A | 1 | SGN | C6-O6-S2-O4S |
| 1 | 11-A | 1 | SGN | C6-O6-S2-O5S |
| 1 | 13-A | 1 | SGN | C6-O6-S2-O5S |
| 1 | 5-A | 3 | SGN | C6-O6-S2-O5S |
| 1 | 6-A | 3 | SGN | C6-O6-S2-O5S |
| 1 | 10-A | 3 | SGN | C6-O6-S2-O5S |
| 1 | 11-A | 3 | SGN | C6-O6-S2-O5S |
| 1 | 13-A | 3 | SGN | C6-O6-S2-O5S |
| 1 | 5-A | 5 | SGN | C6-O6-S2-O5S |
| 1 | 7-A | 5 | SGN | C6-O6-S2-O4S |
| 1 | 7-A | 5 | SGN | C6-O6-S2-O5S |
| 1 | 4-A | 7 | SGN | C6-O6-S2-O5S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 7-A | 7 | SGN | C6-O6-S2-O5S |
| 1 | 4-A | 9 | SGN | C6-O6-S2-O5S |
| 1 | 3-A | 11 | SGN | C6-O6-S2-O5S |
| 1 | 4-A | 11 | SGN | C6-O6-S2-O5S |
| 1 | 5-A | 11 | SGN | C6-O6-S2-O5S |
| 1 | 7-A | 11 | SGN | C6-O6-S2-O5S |
| 1 | 12-A | 11 | SGN | C6-O6-S2-O5S |
| 1 | 14-A | 11 | SGN | C6-O6-S2-O5S |
| 1 | 2-A | 13 | SGN | C6-O6-S2-O5S |
| 1 | 3-A | 13 | SGN | C6-O6-S2-O5S |
| 1 | 4-A | 13 | SGN | C6-O6-S2-O5S |
| 1 | 13-A | 13 | SGN | C6-O6-S2-O5S |
| 1 | 2-A | 15 | SGN | C6-O6-S2-O5S |
| 1 | 1-A | 17 | SGN | C6-O6-S2-O5S |
| 1 | 4-A | 19 | SGN | C6-O6-S2-O5S |
| 1 | 10-A | 19 | SGN | C6-O6-S2-O5S |
| 1 | 11-A | 19 | SGN | C6-O6-S2-O5S |
| 1 | 14-A | 19 | SGN | C6-O6-S2-O5S |
| 1 | 4-A | 21 | SGN | C6-O6-S2-O5S |
| 1 | 7-A | 21 | SGN | C6-O6-S2-O5S |
| 1 | 10-A | 21 | SGN | C6-O6-S2-O5S |
| 1 | 11-A | 21 | SGN | C6-O6-S2-O4S |
| 1 | 11-A | 21 | SGN | C6-O6-S2-O5S |
| 1 | 14-A | 21 | SGN | C6-O6-S2-O5S |
| 1 | 1-A | 23 | SGN | C6-O6-S2-O5S |
| 1 | 12-A | 23 | SGN | C6-O6-S2-O5S |
| 1 | 13-A | 23 | SGN | C6-O6-S2-O5S |
| 1 | 14-A | 23 | SGN | C6-O6-S2-O5S |
| 1 | 3-A | 25 | SGN | C6-O6-S2-O5S |
| 1 | 4-A | 25 | SGN | C6-O6-S2-O5S |
| 1 | 6-A | 25 | SGN | C6-O6-S2-O5S |
| 1 | 7-A | 25 | SGN | C6-O6-S2-O5S |
| 1 | 13-A | 25 | SGN | C6-O6-S2-O5S |
| 1 | 1-A | 27 | SGN | C6-O6-S2-O5S |
| 1 | 14-A | 27 | SGN | C6-O6-S2-O5S |
| 1 | 2-A | 29 | SGN | C6-O6-S2-O5S |
| 1 | 8-A | 29 | SGN | C6-O6-S2-O5S |
| 1 | 11-A | 29 | SGN | C6-O6-S2-O5S |
| 1 | 12-A | 29 | SGN | C6-O6-S2-O4S |
| 1 | 12-A | 29 | SGN | C6-O6-S2-O5S |
| 1 | 8-A | 31 | SGN | C6-O6-S2-O5S |
| 1 | 13-A | 31 | SGN | C6-O6-S2-O5S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 2-A | 33 | SGN | C6-O6-S2-O5S |
| 1 | 3-A | 33 | SGN | C6-O6-S2-O5S |
| 1 | 11-A | 33 | SGN | C6-O6-S2-O5S |
| 1 | 14-A | 33 | SGN | C6-O6-S2-O5S |
| 1 | 1-A | 35 | SGN | C6-O6-S2-O5S |
| 1 | 3-A | 35 | SGN | C6-O6-S2-O5S |
| 1 | 6-A | 35 | SGN | C6-O6-S2-O5S |
| 1 | 6-A | 1 | SGN | C2-N2-S1-O2S |
| 1 | 13-A | 1 | SGN | C2-N2-S1-O2S |
| 1 | 6-A | 3 | SGN | C2-N2-S1-O2S |
| 1 | 1-A | 5 | SGN | C2-N2-S1-O1S |
| 1 | 3-A | 5 | SGN | C2-N2-S1-O1S |
| 1 | 6-A | 5 | SGN | C2-N2-S1-O1S |
| 1 | 12-A | 5 | SGN | C2-N2-S1-O2S |
| 1 | 1-A | 9 | SGN | C2-N2-S1-O2S |
| 1 | 9-A | 9 | SGN | C2-N2-S1-O2S |
| 1 | 11-A | 9 | SGN | C2-N2-S1-O2S |
| 1 | 14-A | 11 | SGN | C2-N2-S1-O1S |
| 1 | 12-A | 13 | SGN | C2-N2-S1-O1S |
| 1 | 13-A | 13 | SGN | C2-N2-S1-O1S |
| 1 | 5-A | 15 | SGN | C2-N2-S1-O2S |
| 1 | 10-A | 15 | SGN | C2-N2-S1-O1S |
| 1 | 12-A | 15 | SGN | C2-N2-S1-O1S |
| 1 | 9-A | 17 | SGN | C2-N2-S1-O1S |
| 1 | 4-A | 19 | SGN | C2-N2-S1-O1S |
| 1 | 9-A | 19 | SGN | C2-N2-S1-O1S |
| 1 | 11-A | 19 | SGN | C2-N2-S1-O1S |
| 1 | 4-A | 21 | SGN | C2-N2-S1-O1S |
| 1 | 7-A | 21 | SGN | C2-N2-S1-O1S |
| 1 | 2-A | 23 | SGN | C2-N2-S1-O1S |
| 1 | 4-A | 23 | SGN | C2-N2-S1-O1S |
| 1 | 10-A | 23 | SGN | C2-N2-S1-O2S |
| 1 | 4-A | 27 | SGN | C2-N2-S1-O1S |
| 1 | 1-A | 29 | SGN | C2-N2-S1-O2S |
| 1 | 3-A | 29 | SGN | C2-N2-S1-O2S |
| 1 | 7-A | 31 | SGN | C2-N2-S1-O1S |
| 1 | 10-A | 31 | SGN | C2-N2-S1-O1S |
| 1 | 12-A | 31 | SGN | C2-N2-S1-O1S |
| 1 | 14-A | 33 | SGN | C2-N2-S1-O1S |
| 1 | 9-A | 35 | SGN | C2-N2-S1-O1S |
| 1 | 13-A | 35 | SGN | C2-N2-S1-O2S |
| 1 | 9-A | 1 | SGN | C6-O6-S2-O4S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 13-A | 1 | SGN | C6-O6-S2-O4S |
| 1 | 7-A | 3 | SGN | C6-O6-S2-O5S |
| 1 | 9-A | 3 | SGN | C6-O6-S2-O5S |
| 1 | 3-A | 5 | SGN | C6-O6-S2-O5S |
| 1 | 6-A | 5 | SGN | C6-O6-S2-O4S |
| 1 | 6-A | 5 | SGN | C6-O6-S2-O5S |
| 1 | 14-A | 5 | SGN | C6-O6-S2-O5S |
| 1 | 4-A | 7 | SGN | C6-O6-S2-O4S |
| 1 | 7-A | 7 | SGN | C6-O6-S2-O4S |
| 1 | 12-A | 7 | SGN | C6-O6-S2-O5S |
| 1 | 3-A | 9 | SGN | C6-O6-S2-O5S |
| 1 | 4-A | 9 | SGN | C6-O6-S2-O4S |
| 1 | 13-A | 9 | SGN | C6-O6-S2-O4S |
| 1 | 2-A | 11 | SGN | C6-O6-S2-O5S |
| 1 | 5-A | 11 | SGN | C6-O6-S2-O4S |
| 1 | 13-A | 11 | SGN | C6-O6-S2-O4S |
| 1 | 13-A | 11 | SGN | C6-O6-S2-O5S |
| 1 | 14-A | 11 | SGN | C6-O6-S2-O4S |
| 1 | 6-A | 13 | SGN | C6-O6-S2-O5S |
| 1 | 7-A | 13 | SGN | C6-O6-S2-O5S |
| 1 | 9-A | 13 | SGN | C6-O6-S2-O5S |
| 1 | 1-A | 15 | SGN | C6-O6-S2-O4S |
| 1 | 1-A | 15 | SGN | C6-O6-S2-O5S |
| 1 | 4-A | 15 | SGN | C6-O6-S2-O5S |
| 1 | 1-A | 17 | SGN | C6-O6-S2-O4S |
| 1 | 6-A | 17 | SGN | C6-O6-S2-O5S |
| 1 | 1-A | 19 | SGN | C6-O6-S2-O5S |
| 1 | 2-A | 19 | SGN | C6-O6-S2-O5S |
| 1 | 6-A | 19 | SGN | C6-O6-S2-O5S |
| 1 | 10-A | 19 | SGN | C6-O6-S2-O4S |
| 1 | 12-A | 19 | SGN | C6-O6-S2-O4S |
| 1 | 12-A | 19 | SGN | C6-O6-S2-O5S |
| 1 | 1-A | 21 | SGN | C6-O6-S2-O4S |
| 1 | 1-A | 21 | SGN | C6-O6-S2-O5S |
| 1 | 4-A | 21 | SGN | C6-O6-S2-O4S |
| 1 | 5-A | 21 | SGN | C6-O6-S2-O5S |
| 1 | 8-A | 21 | SGN | C6-O6-S2-O5S |
| 1 | 10-A | 21 | SGN | C6-O6-S2-O4S |
| 1 | 14-A | 21 | SGN | C6-O6-S2-O4S |
| 1 | 2-A | 23 | SGN | C6-O6-S2-O5S |
| 1 | 3-A | 23 | SGN | C6-O6-S2-O4S |
| 1 | 4-A | 23 | SGN | C6-O6-S2-O4S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 6-A | 23 | SGN | C6-O6-S2-O5S |
| 1 | 7-A | 23 | SGN | C6-O6-S2-O4S |
| 1 | 7-A | 23 | SGN | C6-O6-S2-O5S |
| 1 | 8-A | 23 | SGN | C6-O6-S2-O5S |
| 1 | 12-A | 23 | SGN | C6-O6-S2-O4S |
| 1 | 3-A | 25 | SGN | C6-O6-S2-O4S |
| 1 | 9-A | 25 | SGN | C6-O6-S2-O4S |
| 1 | 12-A | 25 | SGN | C6-O6-S2-O5S |
| 1 | 13-A | 25 | SGN | C6-O6-S2-O4S |
| 1 | 14-A | 25 | SGN | C6-O6-S2-O4S |
| 1 | 14-A | 25 | SGN | C6-O6-S2-O5S |
| 1 | 13-A | 27 | SGN | C6-O6-S2-O5S |
| 1 | 1-A | 29 | SGN | C6-O6-S2-O4S |
| 1 | 1-A | 29 | SGN | C6-O6-S2-O5S |
| 1 | 6-A | 29 | SGN | C6-O6-S2-O4S |
| 1 | 6-A | 29 | SGN | C6-O6-S2-O5S |
| 1 | 7-A | 29 | SGN | C6-O6-S2-O5S |
| 1 | 8-A | 29 | SGN | C6-O6-S2-O4S |
| 1 | 14-A | 29 | SGN | C6-O6-S2-O4S |
| 1 | 14-A | 29 | SGN | C6-O6-S2-O5S |
| 1 | 5-A | 31 | SGN | C6-O6-S2-O5S |
| 1 | 8-A | 31 | SGN | C6-O6-S2-O4S |
| 1 | 13-A | 31 | SGN | C6-O6-S2-O4S |
| 1 | 2-A | 33 | SGN | C6-O6-S2-O4S |
| 1 | 3-A | 33 | SGN | C6-O6-S2-O4S |
| 1 | 6-A | 33 | SGN | C6-O6-S2-O5S |
| 1 | 8-A | 33 | SGN | C6-O6-S2-O5S |
| 1 | 9-A | 33 | SGN | C6-O6-S2-O5S |
| 1 | 3-A | 35 | SGN | C6-O6-S2-O4S |
| 1 | 5-A | 35 | SGN | C6-O6-S2-O5S |
| 1 | 7-A | 35 | SGN | C6-O6-S2-O5S |
| 1 | 4-A | 1 | SGN | O5-C5-C6-O6 |
| 1 | 11-A | 3 | SGN | C1-C2-N2-S1 |
| 1 | 8-A | 7 | SGN | C1-C2-N2-S1 |
| 1 | 11-A | 7 | SGN | C1-C2-N2-S1 |
| 1 | 2-A | 11 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 15 | SGN | O5-C5-C6-O6 |
| 1 | 9-A | 17 | SGN | C1-C2-N2-S1 |
| 1 | 12-A | 17 | SGN | C1-C2-N2-S1 |
| 1 | 4-A | 21 | SGN | C1-C2-N2-S1 |
| 1 | 8-A | 21 | SGN | C1-C2-N2-S1 |
| 1 | 12-A | 21 | SGN | C1-C2-N2-S1 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 8-A | 23 | SGN | O5-C5-C6-O6 |
| 1 | 11-A | 23 | SGN | C1-C2-N2-S1 |
| 1 | 6-A | 25 | SGN | C1-C2-N2-S1 |
| 1 | 8-A | 27 | SGN | C1-C2-N2-S1 |
| 1 | 14-A | 31 | SGN | C1-C2-N2-S1 |
| 1 | 8-A | 35 | SGN | C1-C2-N2-S1 |
| 1 | 8-A | 1 | SGN | C4-C5-C6-O6 |
| 1 | 10-A | 1 | SGN | C4-C5-C6-O6 |
| 1 | 13-A | 3 | SGN | C4-C5-C6-O6 |
| 1 | 3-A | 5 | SGN | C4-C5-C6-O6 |
| 1 | 9-A | 5 | SGN | C4-C5-C6-O6 |
| 1 | 4-A | 7 | SGN | C4-C5-C6-O6 |
| 1 | 12-A | 7 | SGN | C4-C5-C6-O6 |
| 1 | 11-A | 9 | SGN | C4-C5-C6-O6 |
| 1 | 14-A | 9 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 11 | SGN | C4-C5-C6-O6 |
| 1 | 11-A | 11 | SGN | C4-C5-C6-O6 |
| 1 | 12-A | 11 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 13 | SGN | C4-C5-C6-O6 |
| 1 | 1-A | 15 | SGN | C4-C5-C6-O6 |
| 1 | 2-A | 25 | SGN | C4-C5-C6-O6 |
| 1 | 5-A | 25 | SGN | C4-C5-C6-O6 |
| 1 | 13-A | 25 | SGN | C4-C5-C6-O6 |
| 1 | 2-A | 29 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 29 | SGN | C4-C5-C6-O6 |
| 1 | 8-A | 29 | SGN | C4-C5-C6-O6 |
| 1 | 11-A | 31 | SGN | C4-C5-C6-O6 |
| 1 | 13-A | 31 | SGN | C4-C5-C6-O6 |
| 1 | 3-A | 35 | SGN | C4-C5-C6-O6 |
| 1 | 9-A | 35 | SGN | C4-C5-C6-O6 |
| 1 | 11-A | 35 | SGN | C4-C5-C6-O6 |
| 1 | 10-A | 4 | IDS | C3-C2-O2-S |
| 1 | 4-A | 8 | IDS | C3-C2-O2-S |
| 1 | 14-A | 8 | IDS | C3-C2-O2-S |
| 1 | 2-A | 14 | IDS | C3-C2-O2-S |
| 1 | 7-A | 24 | IDS | C3-C2-O2-S |
| 1 | 2-A | 28 | IDS | C3-C2-O2-S |
| 1 | 8-A | 28 | IDS | C3-C2-O2-S |
| 1 | 11-A | 28 | IDS | C3-C2-O2-S |
| 1 | 14-A | 36 | IDS | C3-C2-O2-S |
| 1 | 3-A | 1 | SGN | C6-O6-S2-O6S |
| 1 | 5-A | 1 | SGN | C6-O6-S2-O6S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 13-A | 1 | SGN | C6-O6-S2-O6S |
| 1 | 10-A | 3 | SGN | C6-O6-S2-O6S |
| 1 | 11-A | 3 | SGN | C6-O6-S2-O6S |
| 1 | 4-A | 7 | SGN | C6-O6-S2-O6S |
| 1 | 7-A | 7 | SGN | C6-O6-S2-O6S |
| 1 | 4-A | 9 | SGN | C6-O6-S2-O6S |
| 1 | 4-A | 11 | SGN | C6-O6-S2-O6S |
| 1 | 7-A | 11 | SGN | C6-O6-S2-O6S |
| 1 | 14-A | 11 | SGN | C6-O6-S2-O6S |
| 1 | 2-A | 15 | SGN | C6-O6-S2-O6S |
| 1 | 1-A | 17 | SGN | C6-O6-S2-O6S |
| 1 | 3-A | 19 | SGN | C6-O6-S2-O6S |
| 1 | 7-A | 21 | SGN | C6-O6-S2-O6S |
| 1 | 14-A | 21 | SGN | C6-O6-S2-O6S |
| 1 | 12-A | 23 | SGN | C6-O6-S2-O6S |
| 1 | 3-A | 25 | SGN | C6-O6-S2-O6S |
| 1 | 13-A | 25 | SGN | C6-O6-S2-O6S |
| 1 | 14-A | 27 | SGN | C6-O6-S2-O6S |
| 1 | 4-A | 29 | SGN | C6-O6-S2-O6S |
| 1 | 8-A | 29 | SGN | C6-O6-S2-O6S |
| 1 | 6-A | 31 | SGN | C6-O6-S2-O6S |
| 1 | 8-A | 31 | SGN | C6-O6-S2-O6S |
| 1 | 13-A | 31 | SGN | C6-O6-S2-O6S |
| 1 | 3-A | 33 | SGN | C6-O6-S2-O6S |
| 1 | 13-A | 5 | SGN | C6-O6-S2-O4S |
| 1 | 5-A | 13 | SGN | C6-O6-S2-O4S |
| 1 | 5-A | 15 | SGN | C6-O6-S2-O4S |
| 1 | 14-A | 35 | SGN | C6-O6-S2-O4S |
| 1 | 1-A | 2 | IDS | C2-O2-S-O3S |
| 1 | 2-A | 2 | IDS | C2-O2-S-O3S |
| 1 | 5-A | 2 | IDS | C2-O2-S-O3S |
| 1 | 11-A | 4 | IDS | C2-O2-S-O3S |
| 1 | 13-A | 4 | IDS | C2-O2-S-O3S |
| 1 | 11-A | 6 | IDS | C2-O2-S-O3S |
| 1 | 10-A | 8 | IDS | C2-O2-S-O3S |
| 1 | 11-A | 8 | IDS | C2-O2-S-O3S |
| 1 | 7-A | 10 | IDS | C2-O2-S-O3S |
| 1 | 13-A | 10 | IDS | C2-O2-S-O3S |
| 1 | 12-A | 16 | IDS | C2-O2-S-O3S |
| 1 | 13-A | 16 | IDS | C2-O2-S-O3S |
| 1 | 10-A | 18 | IDS | C2-O2-S-O3S |
| 1 | 5-A | 20 | IDS | C2-O2-S-O3S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 6-A | 20 | IDS | C2-O2-S-O3S |
| 1 | 9-A | 20 | IDS | C2-O2-S-O3S |
| 1 | 12-A | 20 | IDS | C2-O2-S-O3S |
| 1 | 11-A | 24 | IDS | C2-O2-S-O3S |
| 1 | 4-A | 28 | IDS | C2-O2-S-O3S |
| 1 | 8-A | 28 | IDS | C2-O2-S-O3S |
| 1 | 13-A | 28 | IDS | C2-O2-S-O3S |
| 1 | 14-A | 28 | IDS | C2-O2-S-O1S |
| 1 | 4-A | 30 | IDS | C2-O2-S-O3S |
| 1 | 6-A | 30 | IDS | C2-O2-S-O3S |
| 1 | 8-A | 30 | IDS | C2-O2-S-O3S |
| 1 | 10-A | 30 | IDS | C2-O2-S-O3S |
| 1 | 1-A | 32 | IDS | C2-O2-S-O3S |
| 1 | 2-A | 32 | IDS | C2-O2-S-O3S |
| 1 | 8-A | 32 | IDS | C2-O2-S-O3S |
| 1 | 13-A | 32 | IDS | C2-O2-S-O3S |
| 1 | 12-A | 34 | IDS | C2-O2-S-O3S |
| 1 | 1-A | 36 | IDS | C2-O2-S-O3S |
| 1 | 14-A | 36 | IDS | C2-O2-S-O3S |
| 1 | 3-A | 3 | SGN | C3-C2-N2-S1 |
| 1 | 9-A | 3 | SGN | C3-C2-N2-S1 |
| 1 | 1-A | 5 | SGN | C3-C2-N2-S1 |
| 1 | 8-A | 7 | SGN | C3-C2-N2-S1 |
| 1 | 8-A | 11 | SGN | C3-C2-N2-S1 |
| 1 | 9-A | 11 | SGN | C3-C2-N2-S1 |
| 1 | 2-A | 15 | SGN | C3-C2-N2-S1 |
| 1 | 10-A | 15 | SGN | C3-C2-N2-S1 |
| 1 | 7-A | 23 | SGN | C3-C2-N2-S1 |
| 1 | 11-A | 23 | SGN | C3-C2-N2-S1 |
| 1 | 12-A | 33 | SGN | C3-C2-N2-S1 |
| 1 | 7-A | 1 | SGN | C6-O6-S2-O4S |
| 1 | 1-A | 2 | IDS | C4-C5-C6-O6B |
| 1 | 2-A | 7 | SGN | C6-O6-S2-O5S |
| 1 | 1-A | 10 | IDS | C4-C5-C6-O6B |
| 1 | 4-A | 11 | SGN | C6-O6-S2-O4S |
| 1 | 6-A | 11 | SGN | C6-O6-S2-O5S |
| 1 | 3-A | 14 | IDS | C4-C5-C6-O6B |
| 1 | 8-A | 14 | IDS | C4-C5-C6-O6A |
| 1 | 7-A | 15 | SGN | C6-O6-S2-O5S |
| 1 | 10-A | 17 | SGN | C6-O6-S2-O5S |
| 1 | 3-A | 19 | SGN | C6-O6-S2-O4S |
| 1 | 8-A | 20 | IDS | C4-C5-C6-O6A |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 8-A | 20 | IDS | C4-C5-C6-O6B |
| 1 | 2-A | 21 | SGN | C6-O6-S2-O5S |
| 1 | 9-A | 22 | IDS | C4-C5-C6-O6A |
| 1 | 4-A | 23 | SGN | C6-O6-S2-O5S |
| 1 | 3-A | 24 | IDS | C4-C5-C6-O6A |
| 1 | 3-A | 24 | IDS | C4-C5-C6-O6B |
| 1 | 14-A | 24 | IDS | C4-C5-C6-O6A |
| 1 | 14-A | 24 | IDS | C4-C5-C6-O6B |
| 1 | 11-A | 26 | IDS | C4-C5-C6-O6A |
| 1 | 1-A | 28 | IDS | C4-C5-C6-O6A |
| 1 | 4-A | 29 | SGN | C6-O6-S2-O4S |
| 1 | 5-A | 29 | SGN | C6-O6-S2-O5S |
| 1 | 2-A | 30 | IDS | C4-C5-C6-O6A |
| 1 | 6-A | 31 | SGN | C6-O6-S2-O4S |
| 1 | 10-A | 34 | IDS | C4-C5-C6-O6A |
| 1 | 10-A | 34 | IDS | C4-C5-C6-O6B |
| 1 | 11-A | 34 | IDS | C4-C5-C6-O6A |
| 1 | 11-A | 34 | IDS | C4-C5-C6-O6B |
| 1 | 3-A | 3 | SGN | C1-C2-N2-S1 |
| 1 | 9-A | 11 | SGN | C1-C2-N2-S1 |
| 1 | 2-A | 15 | SGN | C1-C2-N2-S1 |
| 1 | 10-A | 15 | SGN | C1-C2-N2-S1 |
| 1 | 12-A | 19 | SGN | O5-C5-C6-O6 |
| 1 | 9-A | 33 | SGN | C1-C2-N2-S1 |
| 1 | 2-A | 12 | IDS | C1-C2-O2-S |
| 1 | 3-A | 14 | IDS | C1-C2-O2-S |
| 1 | 14-A | 20 | IDS | C1-C2-O2-S |
| 1 | 6-A | 24 | IDS | C1-C2-O2-S |
| 1 | 12-A | 36 | IDS | C1-C2-O2-S |
| 1 | 7-A | 5 | SGN | C4-C5-C6-O6 |
| 1 | 5-A | 7 | SGN | C4-C5-C6-O6 |
| 1 | 8-A | 9 | SGN | C4-C5-C6-O6 |
| 1 | 5-A | 17 | SGN | C4-C5-C6-O6 |
| 1 | 3-A | 31 | SGN | C4-C5-C6-O6 |
| 1 | 8-A | 5 | SGN | C6-O6-S2-O5S |
| 1 | 13-A | 5 | SGN | C6-O6-S2-O5S |
| 1 | 6-A | 7 | SGN | C6-O6-S2-O5S |
| 1 | 8-A | 9 | SGN | C6-O6-S2-O5S |
| 1 | 13-A | 9 | SGN | C6-O6-S2-O5S |
| 1 | 5-A | 13 | SGN | C6-O6-S2-O5S |
| 1 | 5-A | 15 | SGN | C6-O6-S2-O5S |
| 1 | 5-A | 17 | SGN | C6-O6-S2-O5S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 5-A | 19 | SGN | C6-O6-S2-O5S |
| 1 | 3-A | 23 | SGN | C6-O6-S2-O5S |
| 1 | 7-A | 31 | SGN | C6-O6-S2-O5S |
| 1 | 7-A | 33 | SGN | C6-O6-S2-O5S |
| 1 | 14-A | 35 | SGN | C6-O6-S2-O5S |
| 1 | 6-A | 3 | SGN | C6-O6-S2-O6S |
| 1 | 9-A | 3 | SGN | C6-O6-S2-O6S |
| 1 | 13-A | 3 | SGN | C6-O6-S2-O6S |
| 1 | 5-A | 5 | SGN | C6-O6-S2-O6S |
| 1 | 14-A | 5 | SGN | C6-O6-S2-O6S |
| 1 | 3-A | 9 | SGN | C6-O6-S2-O6S |
| 1 | 3-A | 11 | SGN | C6-O6-S2-O6S |
| 1 | 12-A | 11 | SGN | C6-O6-S2-O6S |
| 1 | 13-A | 11 | SGN | C6-O6-S2-O6S |
| 1 | 4-A | 13 | SGN | C6-O6-S2-O6S |
| 1 | 6-A | 13 | SGN | C6-O6-S2-O6S |
| 1 | 7-A | 13 | SGN | C6-O6-S2-O6S |
| 1 | 6-A | 17 | SGN | C6-O6-S2-O6S |
| 1 | 6-A | 19 | SGN | C6-O6-S2-O6S |
| 1 | 11-A | 19 | SGN | C6-O6-S2-O6S |
| 1 | 12-A | 19 | SGN | C6-O6-S2-O6S |
| 1 | 1-A | 21 | SGN | C6-O6-S2-O6S |
| 1 | 5-A | 21 | SGN | C6-O6-S2-O6S |
| 1 | 8-A | 21 | SGN | C6-O6-S2-O6S |
| 1 | 9-A | 21 | SGN | C6-O6-S2-O6S |
| 1 | 6-A | 23 | SGN | C6-O6-S2-O6S |
| 1 | 7-A | 23 | SGN | C6-O6-S2-O6S |
| 1 | 13-A | 23 | SGN | C6-O6-S2-O6S |
| 1 | 14-A | 23 | SGN | C6-O6-S2-O6S |
| 1 | 4-A | 25 | SGN | C6-O6-S2-O6S |
| 1 | 12-A | 25 | SGN | C6-O6-S2-O6S |
| 1 | 14-A | 25 | SGN | C6-O6-S2-O6S |
| 1 | 1-A | 29 | SGN | C6-O6-S2-O6S |
| 1 | 2-A | 29 | SGN | C6-O6-S2-O6S |
| 1 | 14-A | 29 | SGN | C6-O6-S2-O6S |
| 1 | 1-A | 33 | SGN | C6-O6-S2-O6S |
| 1 | 2-A | 33 | SGN | C6-O6-S2-O6S |
| 1 | 9-A | 33 | SGN | C6-O6-S2-O6S |
| 1 | 7-A | 35 | SGN | C6-O6-S2-O6S |
| 1 | 8-A | 1 | SGN | C2-N2-S1-O2S |
| 1 | 10-A | 1 | SGN | C2-N2-S1-O1S |
| 1 | 12-A | 1 | SGN | C2-N2-S1-O1S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 3-A | 2 | IDS | C2-O2-S-O2S |
| 1 | 2-A | 3 | SGN | C2-N2-S1-O1S |
| 1 | 1-A | 4 | IDS | C2-O2-S-O2S |
| 1 | 7-A | 6 | IDS | C2-O2-S-O1S |
| 1 | 2-A | 7 | SGN | C2-N2-S1-O1S |
| 1 | 4-A | 7 | SGN | C2-N2-S1-O1S |
| 1 | 7-A | 7 | SGN | C2-N2-S1-O1S |
| 1 | 12-A | 7 | SGN | C2-N2-S1-O1S |
| 1 | 14-A | 7 | SGN | C2-N2-S1-O1S |
| 1 | 8-A | 8 | IDS | C2-O2-S-O1S |
| 1 | 9-A | 8 | IDS | C2-O2-S-O1S |
| 1 | 3-A | 9 | SGN | C2-N2-S1-O1S |
| 1 | 7-A | 9 | SGN | C2-N2-S1-O1S |
| 1 | 10-A | 9 | SGN | C2-N2-S1-O1S |
| 1 | 13-A | 9 | SGN | C2-N2-S1-O1S |
| 1 | 2-A | 10 | IDS | C2-O2-S-O2S |
| 1 | 3-A | 10 | IDS | C2-O2-S-O1S |
| 1 | 10-A | 10 | IDS | C2-O2-S-O2S |
| 1 | 5-A | 11 | SGN | C2-N2-S1-O1S |
| 1 | 6-A | 11 | SGN | C2-N2-S1-O1S |
| 1 | 3-A | 13 | SGN | C2-N2-S1-O1S |
| 1 | 10-A | 13 | SGN | C2-N2-S1-O1S |
| 1 | 14-A | 13 | SGN | C2-N2-S1-O1S |
| 1 | 3-A | 14 | IDS | C2-O2-S-O2S |
| 1 | 1-A | 15 | SGN | C2-N2-S1-O2S |
| 1 | 2-A | 15 | SGN | C2-N2-S1-O1S |
| 1 | 13-A | 15 | SGN | C2-N2-S1-O1S |
| 1 | 5-A | 16 | IDS | C2-O2-S-O2S |
| 1 | 7-A | 17 | SGN | C2-N2-S1-O1S |
| 1 | 2-A | 18 | IDS | C2-O2-S-O1S |
| 1 | 3-A | 18 | IDS | C2-O2-S-O2S |
| 1 | 4-A | 18 | IDS | C2-O2-S-O2S |
| 1 | 8-A | 18 | IDS | C2-O2-S-O2S |
| 1 | 12-A | 18 | IDS | C2-O2-S-O2S |
| 1 | 8-A | 19 | SGN | C2-N2-S1-O1S |
| 1 | 12-A | 19 | SGN | C2-N2-S1-O1S |
| 1 | 8-A | 20 | IDS | C2-O2-S-O1S |
| 1 | 1-A | 21 | SGN | C2-N2-S1-O1S |
| 1 | 5-A | 21 | SGN | C2-N2-S1-O1S |
| 1 | 1-A | 22 | IDS | C2-O2-S-O1S |
| 1 | 3-A | 23 | SGN | C2-N2-S1-O2S |
| 1 | 5-A | 23 | SGN | C2-N2-S1-O2S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 12-A | 23 | SGN | C2-N2-S1-O1S |
| 1 | 5-A | 25 | SGN | C2-N2-S1-O2S |
| 1 | 12-A | 25 | SGN | C2-N2-S1-O2S |
| 1 | 3-A | 26 | IDS | C2-O2-S-O2S |
| 1 | 8-A | 26 | IDS | C2-O2-S-O2S |
| 1 | 6-A | 27 | SGN | C2-N2-S1-O1S |
| 1 | 8-A | 27 | SGN | C2-N2-S1-O1S |
| 1 | 9-A | 27 | SGN | C2-N2-S1-O1S |
| 1 | 10-A | 27 | SGN | C2-N2-S1-O1S |
| 1 | 14-A | 27 | SGN | C2-N2-S1-O2S |
| 1 | 1-A | 28 | IDS | C2-O2-S-O2S |
| 1 | 5-A | 29 | SGN | C2-N2-S1-O1S |
| 1 | 6-A | 29 | SGN | C2-N2-S1-O1S |
| 1 | 13-A | 29 | SGN | C2-N2-S1-O1S |
| 1 | 14-A | 29 | SGN | C2-N2-S1-O1S |
| 1 | 13-A | 30 | IDS | C2-O2-S-O2S |
| 1 | 4-A | 31 | SGN | C2-N2-S1-O1S |
| 1 | 9-A | 32 | IDS | C2-O2-S-O2S |
| 1 | 1-A | 33 | SGN | C2-N2-S1-O1S |
| 1 | 11-A | 33 | SGN | C2-N2-S1-O1S |
| 1 | 13-A | 33 | SGN | C2-N2-S1-O2S |
| 1 | 4-A | 34 | IDS | C2-O2-S-O2S |
| 1 | 14-A | 34 | IDS | C2-O2-S-O2S |
| 1 | 14-A | 35 | SGN | C2-N2-S1-O1S |
| 1 | 4-A | 27 | SGN | C6-O6-S2-O4S |
| 1 | 12-A | 33 | SGN | C6-O6-S2-O5S |
| 1 | 4-A | 5 | SGN | C1-C2-N2-S1 |
| 1 | 7-A | 5 | SGN | O5-C5-C6-O6 |
| 1 | 14-A | 5 | SGN | C1-C2-N2-S1 |
| 1 | 5-A | 7 | SGN | O5-C5-C6-O6 |
| 1 | 8-A | 9 | SGN | O5-C5-C6-O6 |
| 1 | 4-A | 11 | SGN | C1-C2-N2-S1 |
| 1 | 4-A | 13 | SGN | C1-C2-N2-S1 |
| 1 | 9-A | 13 | SGN | C1-C2-N2-S1 |
| 1 | 5-A | 15 | SGN | C1-C2-N2-S1 |
| 1 | 5-A | 17 | SGN | C1-C2-N2-S1 |
| 1 | 8-A | 17 | SGN | O5-C5-C6-O6 |
| 1 | 9-A | 21 | SGN | C1-C2-N2-S1 |
| 1 | 4-A | 23 | SGN | C1-C2-N2-S1 |
| 1 | 13-A | 23 | SGN | C1-C2-N2-S1 |
| 1 | 11-A | 25 | SGN | C1-C2-N2-S1 |
| 1 | 13-A | 27 | SGN | C1-C2-N2-S1 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 14-A | 33 | SGN | C1-C2-N2-S1 |
| 1 | 11-A | 3 | SGN | C3-C2-N2-S1 |
| 1 | 4-A | 5 | SGN | C3-C2-N2-S1 |
| 1 | 14-A | 5 | SGN | C3-C2-N2-S1 |
| 1 | 11-A | 7 | SGN | C3-C2-N2-S1 |
| 1 | 4-A | 11 | SGN | C3-C2-N2-S1 |
| 1 | 4-A | 13 | SGN | C3-C2-N2-S1 |
| 1 | 9-A | 13 | SGN | C3-C2-N2-S1 |
| 1 | 5-A | 17 | SGN | C3-C2-N2-S1 |
| 1 | 4-A | 21 | SGN | C3-C2-N2-S1 |
| 1 | 9-A | 21 | SGN | C3-C2-N2-S1 |
| 1 | 4-A | 23 | SGN | C3-C2-N2-S1 |
| 1 | 13-A | 23 | SGN | C3-C2-N2-S1 |
| 1 | 11-A | 25 | SGN | C3-C2-N2-S1 |
| 1 | 8-A | 27 | SGN | C3-C2-N2-S1 |
| 1 | 13-A | 27 | SGN | C3-C2-N2-S1 |
| 1 | 14-A | 33 | SGN | C3-C2-N2-S1 |
| 1 | 13-A | 11 | SGN | C4-C5-C6-O6 |
| 1 | 11-A | 17 | SGN | C4-C5-C6-O6 |
| 1 | 12-A | 19 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 25 | SGN | C4-C5-C6-O6 |
| 1 | 13-A | 27 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 31 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 33 | SGN | C4-C5-C6-O6 |
| 1 | 1-A | 35 | SGN | C4-C5-C6-O6 |
| 1 | 6-A | 11 | SGN | C6-O6-S2-O4S |
| 1 | 4-A | 15 | SGN | C6-O6-S2-O4S |
| 1 | 2-A | 23 | SGN | C6-O6-S2-O4S |
| 1 | 5-A | 29 | SGN | C6-O6-S2-O4S |
| 1 | 9-A | 29 | SGN | C6-O6-S2-O4S |
| 1 | 1-A | 30 | IDS | C3-C2-O2-S |
| 1 | 2-A | 36 | IDS | O5-C5-C6-O6B |
| 1 | 7-A | 1 | SGN | C6-O6-S2-O5S |
| 1 | 14-A | 3 | SGN | C6-O6-S2-O5S |
| 1 | 2-A | 7 | SGN | C6-O6-S2-O4S |
| 1 | 9-A | 11 | SGN | C6-O6-S2-O5S |
| 1 | 2-A | 21 | SGN | C6-O6-S2-O4S |
| 1 | 9-A | 21 | SGN | C6-O6-S2-O4S |
| 1 | 4-A | 27 | SGN | C6-O6-S2-O5S |
| 1 | 12-A | 27 | SGN | C6-O6-S2-O4S |
| 1 | 3-A | 29 | SGN | C6-O6-S2-O5S |
| 1 | 9-A | 29 | SGN | C6-O6-S2-O5S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 1-A | 33 | SGN | C6-O6-S2-O4S |
| 1 | 2-A | 9 | SGN | O5-C5-C6-O6 |
| 1 | 7-A | 19 | SGN | O5-C5-C6-O6 |
| 1 | 14-A | 21 | SGN | O5-C5-C6-O6 |
| 1 | 3-A | 4 | IDS | C2-O2-S-O3S |
| 1 | 5-A | 4 | IDS | C2-O2-S-O2S |
| 1 | 7-A | 4 | IDS | C2-O2-S-O3S |
| 1 | 9-A | 4 | IDS | C2-O2-S-O3S |
| 1 | 13-A | 6 | IDS | C2-O2-S-O3S |
| 1 | 8-A | 8 | IDS | C2-O2-S-O2S |
| 1 | 6-A | 12 | IDS | C2-O2-S-O2S |
| 1 | 11-A | 12 | IDS | C2-O2-S-O2S |
| 1 | 13-A | 12 | IDS | C2-O2-S-O3S |
| 1 | 7-A | 16 | IDS | C2-O2-S-O2S |
| 1 | 14-A | 16 | IDS | C2-O2-S-O3S |
| 1 | 2-A | 18 | IDS | C2-O2-S-O2S |
| 1 | 5-A | 20 | IDS | C2-O2-S-O2S |
| 1 | 8-A | 20 | IDS | C2-O2-S-O2S |
| 1 | 14-A | 20 | IDS | C2-O2-S-O3S |
| 1 | 9-A | 24 | IDS | C2-O2-S-O3S |
| 1 | 2-A | 26 | IDS | C2-O2-S-O3S |
| 1 | 9-A | 26 | IDS | C2-O2-S-O3S |
| 1 | 11-A | 26 | IDS | C2-O2-S-O1S |
| 1 | 7-A | 28 | IDS | C2-O2-S-O3S |
| 1 | 14-A | 28 | IDS | C2-O2-S-O3S |
| 1 | 9-A | 30 | IDS | C2-O2-S-O3S |
| 1 | 8-A | 36 | IDS | C2-O2-S-O3S |
| 1 | 8-A | 17 | SGN | C4-C5-C6-O6 |
| 1 | 7-A | 19 | SGN | C4-C5-C6-O6 |
| 1 | 14-A | 21 | SGN | C4-C5-C6-O6 |
| 1 | 11-A | 27 | SGN | C4-C5-C6-O6 |
| 1 | 6-A | 15 | SGN | C3-C2-N2-S1 |
| 1 | 12-A | 19 | SGN | C3-C2-N2-S1 |
| 1 | 1-A | 1 | SGN | C6-O6-S2-O5S |
| 1 | 3-A | 7 | SGN | C6-O6-S2-O5S |
| 1 | 7-A | 15 | SGN | C6-O6-S2-O4S |
| 1 | 10-A | 17 | SGN | C6-O6-S2-O4S |
| 1 | 9-A | 21 | SGN | C6-O6-S2-O5S |
| 1 | 12-A | 27 | SGN | C6-O6-S2-O5S |
| 1 | 10-A | 29 | SGN | C6-O6-S2-O5S |
| 1 | 1-A | 33 | SGN | C6-O6-S2-O5S |
| 1 | 2-A | 2 | IDS | O5-C5-C6-O6B |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 4-A | 2 | IDS | O5-C5-C6-O6B |
| 1 | 1-A | 4 | IDS | O5-C5-C6-O6B |
| 1 | 3-A | 4 | IDS | O5-C5-C6-O6B |
| 1 | 10-A | 4 | IDS | O5-C5-C6-O6B |
| 1 | 13-A | 4 | IDS | O5-C5-C6-O6A |
| 1 | 13-A | 4 | IDS | O5-C5-C6-O6B |
| 1 | 2-A | 6 | IDS | O5-C5-C6-O6B |
| 1 | 6-A | 6 | IDS | O5-C5-C6-O6B |
| 1 | 7-A | 6 | IDS | O5-C5-C6-O6B |
| 1 | 9-A | 6 | IDS | O5-C5-C6-O6B |
| 1 | 12-A | 6 | IDS | O5-C5-C6-O6B |
| 1 | 14-A | 6 | IDS | O5-C5-C6-O6B |
| 1 | 1-A | 8 | IDS | O5-C5-C6-O6B |
| 1 | 3-A | 8 | IDS | O5-C5-C6-O6B |
| 1 | 5-A | 8 | IDS | O5-C5-C6-O6B |
| 1 | 8-A | 8 | IDS | O5-C5-C6-O6B |
| 1 | 10-A | 8 | IDS | O5-C5-C6-O6B |
| 1 | 2-A | 10 | IDS | O5-C5-C6-O6A |
| 1 | 2-A | 10 | IDS | O5-C5-C6-O6B |
| 1 | 8-A | 10 | IDS | O5-C5-C6-O6A |
| 1 | 8-A | 10 | IDS | O5-C5-C6-O6B |
| 1 | 1-A | 12 | IDS | O5-C5-C6-O6B |
| 1 | 4-A | 12 | IDS | O5-C5-C6-O6B |
| 1 | 5-A | 14 | IDS | O5-C5-C6-O6B |
| 1 | 7-A | 14 | IDS | O5-C5-C6-O6B |
| 1 | 10-A | 14 | IDS | O5-C5-C6-O6A |
| 1 | 10-A | 14 | IDS | O5-C5-C6-O6B |
| 1 | 11-A | 14 | IDS | O5-C5-C6-O6B |
| 1 | 7-A | 16 | IDS | O5-C5-C6-O6A |
| 1 | 7-A | 16 | IDS | O5-C5-C6-O6B |
| 1 | 12-A | 16 | IDS | O5-C5-C6-O6B |
| 1 | 14-A | 16 | IDS | O5-C5-C6-O6B |
| 1 | 5-A | 18 | IDS | O5-C5-C6-O6B |
| 1 | 2-A | 20 | IDS | O5-C5-C6-O6B |
| 1 | 3-A | 20 | IDS | O5-C5-C6-O6B |
| 1 | 13-A | 20 | IDS | O5-C5-C6-O6A |
| 1 | 13-A | 20 | IDS | O5-C5-C6-O6B |
| 1 | 8-A | 22 | IDS | O5-C5-C6-O6B |
| 1 | 10-A | 22 | IDS | O5-C5-C6-O6B |
| 1 | 5-A | 24 | IDS | O5-C5-C6-O6B |
| 1 | 9-A | 24 | IDS | O5-C5-C6-O6A |
| 1 | 9-A | 24 | IDS | O5-C5-C6-O6B |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 10-A | 24 | IDS | O5-C5-C6-O6A |
| 1 | 10-A | 24 | IDS | O5-C5-C6-O6B |
| 1 | 13-A | 24 | IDS | O5-C5-C6-O6B |
| 1 | 6-A | 26 | IDS | O5-C5-C6-O6B |
| 1 | 10-A | 28 | IDS | O5-C5-C6-O6B |
| 1 | 6-A | 30 | IDS | O5-C5-C6-O6B |
| 1 | 8-A | 30 | IDS | O5-C5-C6-O6B |
| 1 | 1-A | 32 | IDS | O5-C5-C6-O6B |
| 1 | 9-A | 32 | IDS | O5-C5-C6-O6B |
| 1 | 10-A | 32 | IDS | O5-C5-C6-O6B |
| 1 | 14-A | 32 | IDS | O5-C5-C6-O6B |
| 1 | 1-A | 34 | IDS | O5-C5-C6-O6B |
| 1 | 8-A | 34 | IDS | O5-C5-C6-O6B |
| 1 | 9-A | 34 | IDS | O5-C5-C6-O6B |
| 1 | 12-A | 34 | IDS | O5-C5-C6-O6B |
| 1 | 14-A | 34 | IDS | O5-C5-C6-O6B |
| 1 | 3-A | 1 | SGN | C2-N2-S1-O2S |
| 1 | 7-A | 1 | SGN | C2-N2-S1-O1S |
| 1 | 14-A | 1 | SGN | C2-N2-S1-O1S |
| 1 | 9-A | 3 | SGN | C2-N2-S1-O2S |
| 1 | 12-A | 3 | SGN | C2-N2-S1-O2S |
| 1 | 8-A | 5 | SGN | C2-N2-S1-O1S |
| 1 | 8-A | 7 | SGN | C2-N2-S1-O2S |
| 1 | 5-A | 9 | SGN | C2-N2-S1-O2S |
| 1 | 6-A | 9 | SGN | C2-N2-S1-O2S |
| 1 | 8-A | 9 | SGN | C2-N2-S1-O2S |
| 1 | 12-A | 9 | SGN | C2-N2-S1-O1S |
| 1 | 14-A | 9 | SGN | C2-N2-S1-O2S |
| 1 | 3-A | 11 | SGN | C2-N2-S1-O2S |
| 1 | 1-A | 13 | SGN | C2-N2-S1-O1S |
| 1 | 3-A | 15 | SGN | C2-N2-S1-O1S |
| 1 | 6-A | 15 | SGN | C2-N2-S1-O1S |
| 1 | 6-A | 17 | SGN | C2-N2-S1-O2S |
| 1 | 10-A | 17 | SGN | C2-N2-S1-O1S |
| 1 | 2-A | 21 | SGN | C2-N2-S1-O1S |
| 1 | 13-A | 21 | SGN | C2-N2-S1-O1S |
| 1 | 3-A | 25 | SGN | C2-N2-S1-O1S |
| 1 | 4-A | 25 | SGN | C2-N2-S1-O1S |
| 1 | 10-A | 25 | SGN | C2-N2-S1-O1S |
| 1 | 14-A | 25 | SGN | C2-N2-S1-O1S |
| 1 | 2-A | 27 | SGN | C2-N2-S1-O1S |
| 1 | 11-A | 27 | SGN | C2-N2-S1-O2S |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|--------------|
| 1 | 8-A | 29 | SGN | C2-N2-S1-O1S |
| 1 | 5-A | 31 | SGN | C2-N2-S1-O2S |
| 1 | 9-A | 31 | SGN | C2-N2-S1-O1S |
| 1 | 2-A | 33 | SGN | C2-N2-S1-O1S |
| 1 | 6-A | 33 | SGN | C2-N2-S1-O1S |
| 1 | 9-A | 33 | SGN | C2-N2-S1-O1S |
| 1 | 1-A | 35 | SGN | C2-N2-S1-O2S |
| 1 | 7-A | 35 | SGN | C2-N2-S1-O1S |
| 1 | 12-A | 35 | SGN | C2-N2-S1-O1S |
| 1 | 2-A | 36 | IDS | C4-C5-C6-O6B |
| 1 | 11-A | 36 | IDS | C4-C5-C6-O6A |
| 1 | 14-A | 36 | IDS | C4-C5-C6-O6A |
| 1 | 6-A | 2 | IDS | C4-C5-C6-O6B |
| 1 | 9-A | 4 | IDS | C4-C5-C6-O6B |
| 1 | 14-A | 8 | IDS | C4-C5-C6-O6B |
| 1 | 4-A | 10 | IDS | C4-C5-C6-O6B |
| 1 | 5-A | 10 | IDS | C4-C5-C6-O6B |
| 1 | 10-A | 11 | SGN | C6-O6-S2-O5S |
| 1 | 8-A | 14 | IDS | C4-C5-C6-O6B |
| 1 | 3-A | 16 | IDS | C4-C5-C6-O6B |
| 1 | 11-A | 16 | IDS | C4-C5-C6-O6B |
| 1 | 8-A | 18 | IDS | C4-C5-C6-O6B |
| 1 | 10-A | 18 | IDS | C4-C5-C6-O6B |
| 1 | 7-A | 19 | SGN | C6-O6-S2-O4S |
| 1 | 14-A | 20 | IDS | C4-C5-C6-O6B |
| 1 | 11-A | 26 | IDS | C4-C5-C6-O6B |
| 1 | 8-A | 27 | SGN | C6-O6-S2-O5S |
| 1 | 12-A | 28 | IDS | C4-C5-C6-O6B |
| 1 | 13-A | 28 | IDS | C4-C5-C6-O6B |
| 1 | 1-A | 30 | IDS | C4-C5-C6-O6B |
| 1 | 2-A | 32 | IDS | C4-C5-C6-O6B |
| 1 | 5-A | 32 | IDS | C4-C5-C6-O6B |
| 1 | 10-A | 32 | IDS | C4-C5-C6-O6B |
| 1 | 9-A | 34 | IDS | C4-C5-C6-O6B |
| 1 | 13-A | 34 | IDS | C4-C5-C6-O6B |
| 1 | 9-A | 35 | SGN | C6-O6-S2-O5S |
| 1 | 6-A | 15 | SGN | C1-C2-N2-S1 |
| 1 | 11-A | 27 | SGN | O5-C5-C6-O6 |
| 1 | 6-A | 31 | SGN | O5-C5-C6-O6 |

There are no ring outliers.

446 monomers are involved in 1112 short contacts:

| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 1 | 3-A | 12 | IDS | 4 | 0 |
| 1 | 5-A | 17 | SGN | 11 | 0 |
| 1 | 11-A | 20 | IDS | 5 | 0 |
| 1 | 4-A | 8 | IDS | 4 | 0 |
| 1 | 13-A | 7 | SGN | 4 | 0 |
| 1 | 5-A | 18 | IDS | 6 | 0 |
| 1 | 6-A | 10 | IDS | 11 | 0 |
| 1 | 11-A | 12 | IDS | 7 | 0 |
| 1 | 11-A | 7 | SGN | 2 | 0 |
| 1 | 6-A | 16 | IDS | 6 | 0 |
| 1 | 5-A | 14 | IDS | 5 | 0 |
| 1 | 9-A | 16 | IDS | 3 | 0 |
| 1 | 7-A | 20 | IDS | 4 | 0 |
| 1 | 2-A | 28 | IDS | 6 | 0 |
| 1 | 14-A | 35 | SGN | 1 | 0 |
| 1 | 8-A | 9 | SGN | 4 | 0 |
| 1 | 4-A | 35 | SGN | 7 | 0 |
| 1 | 9-A | 23 | SGN | 6 | 0 |
| 1 | 9-A | 19 | SGN | 4 | 0 |
| 1 | 9-A | 7 | SGN | 2 | 0 |
| 1 | 14-A | 7 | SGN | 3 | 0 |
| 1 | 4-A | 17 | SGN | 1 | 0 |
| 1 | 11-A | 22 | IDS | 6 | 0 |
| 1 | 12-A | 24 | IDS | 5 | 0 |
| 1 | 9-A | 28 | IDS | 5 | 0 |
| 1 | 12-A | 33 | SGN | 7 | 0 |
| 1 | 10-A | 27 | SGN | 11 | 0 |
| 1 | 14-A | 12 | IDS | 5 | 0 |
| 1 | 13-A | 3 | SGN | 4 | 0 |
| 1 | 12-A | 30 | IDS | 4 | 0 |
| 1 | 14-A | 11 | SGN | 6 | 0 |
| 1 | 7-A | 32 | IDS | 14 | 0 |
| 1 | 11-A | 5 | SGN | 2 | 0 |
| 1 | 12-A | 22 | IDS | 4 | 0 |
| 1 | 4-A | 27 | SGN | 1 | 0 |
| 1 | 5-A | 12 | IDS | 3 | 0 |
| 1 | 1-A | 33 | SGN | 10 | 0 |
| 1 | 13-A | 30 | IDS | 2 | 0 |
| 1 | 5-A | 11 | SGN | 1 | 0 |
| 1 | 10-A | 20 | IDS | 10 | 0 |
| 1 | 13-A | 35 | SGN | 6 | 0 |
| 1 | 11-A | 23 | SGN | 5 | 0 |
| 1 | 8-A | 15 | SGN | 2 | 0 |

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| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 1 | 14-A | 25 | SGN | 8 | 0 |
| 1 | 10-A | 6 | IDS | 9 | 0 |
| 1 | 1-A | 22 | IDS | 7 | 0 |
| 1 | 13-A | 6 | IDS | 2 | 0 |
| 1 | 5-A | 33 | SGN | 3 | 0 |
| 1 | 7-A | 12 | IDS | 5 | 0 |
| 1 | 14-A | 3 | SGN | 10 | 0 |
| 1 | 11-A | 8 | IDS | 3 | 0 |
| 1 | 14-A | 15 | SGN | 2 | 0 |
| 1 | 7-A | 24 | IDS | 15 | 0 |
| 1 | 8-A | 31 | SGN | 10 | 0 |
| 1 | 14-A | 17 | SGN | 8 | 0 |
| 1 | 13-A | 29 | SGN | 7 | 0 |
| 1 | 11-A | 9 | SGN | 5 | 0 |
| 1 | 14-A | 31 | SGN | 1 | 0 |
| 1 | 4-A | 20 | IDS | 5 | 0 |
| 1 | 3-A | 3 | SGN | 4 | 0 |
| 1 | 4-A | 24 | IDS | 1 | 0 |
| 1 | 7-A | 25 | SGN | 10 | 0 |
| 1 | 7-A | 10 | IDS | 5 | 0 |
| 1 | 12-A | 10 | IDS | 6 | 0 |
| 1 | 1-A | 12 | IDS | 4 | 0 |
| 1 | 7-A | 33 | SGN | 8 | 0 |
| 1 | 8-A | 14 | IDS | 2 | 0 |
| 1 | 3-A | 7 | SGN | 2 | 0 |
| 1 | 2-A | 27 | SGN | 2 | 0 |
| 1 | 7-A | 34 | IDS | 3 | 0 |
| 1 | 3-A | 11 | SGN | 5 | 0 |
| 1 | 6-A | 11 | SGN | 11 | 0 |
| 1 | 6-A | 22 | IDS | 14 | 0 |
| 1 | 13-A | 1 | SGN | 3 | 0 |
| 1 | 5-A | 28 | IDS | 5 | 0 |
| 1 | 3-A | 8 | IDS | 2 | 0 |
| 1 | 10-A | 12 | IDS | 8 | 0 |
| 1 | 13-A | 18 | IDS | 2 | 0 |
| 1 | 10-A | 11 | SGN | 16 | 0 |
| 1 | 2-A | 32 | IDS | 6 | 0 |
| 1 | 13-A | 5 | SGN | 1 | 0 |
| 1 | 11-A | 27 | SGN | 6 | 0 |
| 1 | 8-A | 33 | SGN | 1 | 0 |
| 1 | 4-A | 6 | IDS | 8 | 0 |
| 1 | 12-A | 36 | IDS | 4 | 0 |

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| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 1 | 1-A | 28 | IDS | 1 | 0 |
| 1 | 13-A | 10 | IDS | 4 | 0 |
| 1 | 13-A | 16 | IDS | 6 | 0 |
| 1 | 13-A | 8 | IDS | 6 | 0 |
| 1 | 6-A | 21 | SGN | 8 | 0 |
| 1 | 8-A | 18 | IDS | 7 | 0 |
| 1 | 9-A | 22 | IDS | 5 | 0 |
| 1 | 14-A | 16 | IDS | 2 | 0 |
| 1 | 8-A | 24 | IDS | 2 | 0 |
| 1 | 6-A | 33 | SGN | 2 | 0 |
| 1 | 3-A | 21 | SGN | 6 | 0 |
| 1 | 2-A | 18 | IDS | 12 | 0 |
| 1 | 4-A | 2 | IDS | 6 | 0 |
| 1 | 5-A | 7 | SGN | 1 | 0 |
| 1 | 8-A | 30 | IDS | 8 | 0 |
| 1 | 4-A | 10 | IDS | 5 | 0 |
| 1 | 13-A | 34 | IDS | 3 | 0 |
| 1 | 3-A | 30 | IDS | 12 | 0 |
| 1 | 11-A | 13 | SGN | 2 | 0 |
| 1 | 3-A | 22 | IDS | 7 | 0 |
| 1 | 1-A | 31 | SGN | 12 | 0 |
| 1 | 2-A | 29 | SGN | 10 | 0 |
| 1 | 11-A | 10 | IDS | 6 | 0 |
| 1 | 13-A | 28 | IDS | 7 | 0 |
| 1 | 7-A | 23 | SGN | 9 | 0 |
| 1 | 6-A | 27 | SGN | 11 | 0 |
| 1 | 3-A | 20 | IDS | 1 | 0 |
| 1 | 9-A | 27 | SGN | 5 | 0 |
| 1 | 2-A | 13 | SGN | 8 | 0 |
| 1 | 4-A | 28 | IDS | 3 | 0 |
| 1 | 13-A | 9 | SGN | 3 | 0 |
| 1 | 4-A | 16 | IDS | 4 | 0 |
| 1 | 8-A | 26 | IDS | 1 | 0 |
| 1 | 14-A | 8 | IDS | 7 | 0 |
| 1 | 11-A | 28 | IDS | 6 | 0 |
| 1 | 12-A | 12 | IDS | 4 | 0 |
| 1 | 12-A | 11 | SGN | 7 | 0 |
| 1 | 13-A | 26 | IDS | 7 | 0 |
| 1 | 9-A | 6 | IDS | 2 | 0 |
| 1 | 14-A | 6 | IDS | 7 | 0 |
| 1 | 4-A | 1 | SGN | 3 | 0 |
| 1 | 5-A | 8 | IDS | 1 | 0 |

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| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 1 | 6-A | 12 | IDS | 9 | 0 |
| 1 | 13-A | 14 | IDS | 10 | 0 |
| 1 | 3-A | 35 | SGN | 2 | 0 |
| 1 | 7-A | 8 | IDS | 2 | 0 |
| 1 | 14-A | 20 | IDS | 10 | 0 |
| 1 | 1-A | 36 | IDS | 3 | 0 |
| 1 | 1-A | 21 | SGN | 3 | 0 |
| 1 | 4-A | 31 | SGN | 11 | 0 |
| 1 | 3-A | 13 | SGN | 1 | 0 |
| 1 | 12-A | 8 | IDS | 9 | 0 |
| 1 | 12-A | 1 | SGN | 1 | 0 |
| 1 | 3-A | 15 | SGN | 6 | 0 |
| 1 | 4-A | 11 | SGN | 2 | 0 |
| 1 | 5-A | 15 | SGN | 2 | 0 |
| 1 | 2-A | 2 | IDS | 1 | 0 |
| 1 | 11-A | 31 | SGN | 1 | 0 |
| 1 | 12-A | 13 | SGN | 7 | 0 |
| 1 | 10-A | 15 | SGN | 4 | 0 |
| 1 | 5-A | 21 | SGN | 1 | 0 |
| 1 | 8-A | 25 | SGN | 1 | 0 |
| 1 | 6-A | 13 | SGN | 6 | 0 |
| 1 | 2-A | 31 | SGN | 1 | 0 |
| 1 | 10-A | 30 | IDS | 3 | 0 |
| 1 | 1-A | 18 | IDS | 9 | 0 |
| 1 | 10-A | 21 | SGN | 11 | 0 |
| 1 | 5-A | 22 | IDS | 1 | 0 |
| 1 | 10-A | 35 | SGN | 3 | 0 |
| 1 | 7-A | 36 | IDS | 5 | 0 |
| 1 | 10-A | 8 | IDS | 1 | 0 |
| 1 | 3-A | 2 | IDS | 2 | 0 |
| 1 | 1-A | 32 | IDS | 10 | 0 |
| 1 | 1-A | 4 | IDS | 3 | 0 |
| 1 | 6-A | 28 | IDS | 12 | 0 |
| 1 | 13-A | 25 | SGN | 3 | 0 |
| 1 | 8-A | 13 | SGN | 6 | 0 |
| 1 | 14-A | 23 | SGN | 6 | 0 |
| 1 | 4-A | 4 | IDS | 4 | 0 |
| 1 | 6-A | 9 | SGN | 5 | 0 |
| 1 | 5-A | 31 | SGN | 5 | 0 |
| 1 | 4-A | 21 | SGN | 8 | 0 |
| 1 | 11-A | 6 | IDS | 2 | 0 |
| 1 | 8-A | 7 | SGN | 2 | 0 |

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| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 1 | 5-A | 20 | IDS | 5 | 0 |
| 1 | 6-A | 2 | IDS | 1 | 0 |
| 1 | 14-A | 22 | IDS | 3 | 0 |
| 1 | 3-A | 31 | SGN | 15 | 0 |
| 1 | 1-A | 34 | IDS | 5 | 0 |
| 1 | 13-A | 21 | SGN | 6 | 0 |
| 1 | 11-A | 4 | IDS | 1 | 0 |
| 1 | 1-A | 5 | SGN | 5 | 0 |
| 1 | 11-A | 11 | SGN | 2 | 0 |
| 1 | 12-A | 23 | SGN | 3 | 0 |
| 1 | 9-A | 29 | SGN | 3 | 0 |
| 1 | 9-A | 12 | IDS | 6 | 0 |
| 1 | 12-A | 7 | SGN | 5 | 0 |
| 1 | 10-A | 36 | IDS | 2 | 0 |
| 1 | 6-A | 14 | IDS | 3 | 0 |
| 1 | 1-A | 10 | IDS | 3 | 0 |
| 1 | 13-A | 19 | SGN | 5 | 0 |
| 1 | 12-A | 25 | SGN | 6 | 0 |
| 1 | 7-A | 22 | IDS | 1 | 0 |
| 1 | 11-A | 24 | IDS | 1 | 0 |
| 1 | 2-A | 35 | SGN | 6 | 0 |
| 1 | 11-A | 26 | IDS | 2 | 0 |
| 1 | 9-A | 1 | SGN | 3 | 0 |
| 1 | 5-A | 6 | IDS | 2 | 0 |
| 1 | 13-A | 22 | IDS | 7 | 0 |
| 1 | 12-A | 2 | IDS | 2 | 0 |
| 1 | 7-A | 13 | SGN | 10 | 0 |
| 1 | 4-A | 34 | IDS | 12 | 0 |
| 1 | 5-A | 4 | IDS | 9 | 0 |
| 1 | 11-A | 25 | SGN | 2 | 0 |
| 1 | 10-A | 31 | SGN | 5 | 0 |
| 1 | 7-A | 6 | IDS | 5 | 0 |
| 1 | 9-A | 31 | SGN | 7 | 0 |
| 1 | 1-A | 13 | SGN | 6 | 0 |
| 1 | 1-A | 2 | IDS | 2 | 0 |
| 1 | 9-A | 32 | IDS | 4 | 0 |
| 1 | 13-A | 20 | IDS | 5 | 0 |
| 1 | 8-A | 22 | IDS | 2 | 0 |
| 1 | 4-A | 29 | SGN | 6 | 0 |
| 1 | 12-A | 32 | IDS | 5 | 0 |
| 1 | 13-A | 23 | SGN | 3 | 0 |
| 1 | 6-A | 18 | IDS | 1 | 0 |

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| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 1 | 12-A | 21 | SGN | 3 | 0 |
| 1 | 2-A | 36 | IDS | 6 | 0 |
| 1 | 5-A | 2 | IDS | 5 | 0 |
| 1 | 10-A | 34 | IDS | 3 | 0 |
| 1 | 10-A | 22 | IDS | 6 | 0 |
| 1 | 11-A | 29 | SGN | 1 | 0 |
| 1 | 1-A | 14 | IDS | 4 | 0 |
| 1 | 6-A | 30 | IDS | 1 | 0 |
| 1 | 2-A | 3 | SGN | 1 | 0 |
| 1 | 4-A | 3 | SGN | 3 | 0 |
| 1 | 2-A | 21 | SGN | 12 | 0 |
| 1 | 8-A | 20 | IDS | 5 | 0 |
| 1 | 8-A | 17 | SGN | 7 | 0 |
| 1 | 5-A | 29 | SGN | 9 | 0 |
| 1 | 3-A | 6 | IDS | 2 | 0 |
| 1 | 1-A | 9 | SGN | 3 | 0 |
| 1 | 13-A | 33 | SGN | 2 | 0 |
| 1 | 10-A | 13 | SGN | 5 | 0 |
| 1 | 5-A | 23 | SGN | 2 | 0 |
| 1 | 10-A | 29 | SGN | 3 | 0 |
| 1 | 10-A | 14 | IDS | 5 | 0 |
| 1 | 6-A | 4 | IDS | 6 | 0 |
| 1 | 2-A | 34 | IDS | 2 | 0 |
| 1 | 7-A | 15 | SGN | 7 | 0 |
| 1 | 8-A | 27 | SGN | 4 | 0 |
| 1 | 1-A | 7 | SGN | 5 | 0 |
| 1 | 1-A | 29 | SGN | 7 | 0 |
| 1 | 6-A | 1 | SGN | 1 | 0 |
| 1 | 10-A | 4 | IDS | 1 | 0 |
| 1 | 7-A | 31 | SGN | 6 | 0 |
| 1 | 8-A | 35 | SGN | 5 | 0 |
| 1 | 11-A | 34 | IDS | 7 | 0 |
| 1 | 2-A | 11 | SGN | 4 | 0 |
| 1 | 9-A | 36 | IDS | 2 | 0 |
| 1 | 13-A | 36 | IDS | 4 | 0 |
| 1 | 5-A | 3 | SGN | 7 | 0 |
| 1 | 9-A | 11 | SGN | 5 | 0 |
| 1 | 13-A | 27 | SGN | 6 | 0 |
| 1 | 2-A | 25 | SGN | 5 | 0 |
| 1 | 14-A | 4 | IDS | 9 | 0 |
| 1 | 3-A | 19 | SGN | 3 | 0 |
| 1 | 6-A | 32 | IDS | 1 | 0 |

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| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 1 | 7-A | 9 | SGN | 7 | 0 |
| 1 | 14-A | 36 | IDS | 1 | 0 |
| 1 | 2-A | 15 | SGN | 2 | 0 |
| 1 | 2-A | 17 | SGN | 6 | 0 |
| 1 | 8-A | 29 | SGN | 3 | 0 |
| 1 | 2-A | 24 | IDS | 2 | 0 |
| 1 | 9-A | 2 | IDS | 3 | 0 |
| 1 | 1-A | 3 | SGN | 2 | 0 |
| 1 | 3-A | 26 | IDS | 6 | 0 |
| 1 | 3-A | 25 | SGN | 9 | 0 |
| 1 | 13-A | 15 | SGN | 14 | 0 |
| 1 | 4-A | 33 | SGN | 6 | 0 |
| 1 | 7-A | 5 | SGN | 14 | 0 |
| 1 | 14-A | 5 | SGN | 10 | 0 |
| 1 | 12-A | 26 | IDS | 2 | 0 |
| 1 | 8-A | 23 | SGN | 2 | 0 |
| 1 | 8-A | 3 | SGN | 1 | 0 |
| 1 | 8-A | 10 | IDS | 4 | 0 |
| 1 | 1-A | 20 | IDS | 2 | 0 |
| 1 | 5-A | 1 | SGN | 3 | 0 |
| 1 | 13-A | 31 | SGN | 1 | 0 |
| 1 | 6-A | 26 | IDS | 7 | 0 |
| 1 | 9-A | 21 | SGN | 5 | 0 |
| 1 | 14-A | 10 | IDS | 3 | 0 |
| 1 | 14-A | 21 | SGN | 5 | 0 |
| 1 | 10-A | 9 | SGN | 7 | 0 |
| 1 | 4-A | 15 | SGN | 3 | 0 |
| 1 | 1-A | 26 | IDS | 5 | 0 |
| 1 | 1-A | 30 | IDS | 13 | 0 |
| 1 | 9-A | 35 | SGN | 2 | 0 |
| 1 | 11-A | 14 | IDS | 4 | 0 |
| 1 | 1-A | 35 | SGN | 3 | 0 |
| 1 | 4-A | 23 | SGN | 3 | 0 |
| 1 | 8-A | 12 | IDS | 8 | 0 |
| 1 | 9-A | 8 | IDS | 1 | 0 |
| 1 | 5-A | 24 | IDS | 1 | 0 |
| 1 | 12-A | 35 | SGN | 6 | 0 |
| 1 | 1-A | 27 | SGN | 5 | 0 |
| 1 | 1-A | 1 | SGN | 2 | 0 |
| 1 | 6-A | 34 | IDS | 1 | 0 |
| 1 | 3-A | 4 | IDS | 3 | 0 |
| 1 | 8-A | 28 | IDS | 3 | 0 |

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| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 1 | 14-A | 1 | SGN | 10 | 0 |
| 1 | 12-A | 18 | IDS | 13 | 0 |
| 1 | 12-A | 6 | IDS | 5 | 0 |
| 1 | 6-A | 7 | SGN | 8 | 0 |
| 1 | 14-A | 18 | IDS | 8 | 0 |
| 1 | 4-A | 18 | IDS | 1 | 0 |
| 1 | 6-A | 29 | SGN | 8 | 0 |
| 1 | 12-A | 4 | IDS | 1 | 0 |
| 1 | 5-A | 5 | SGN | 6 | 0 |
| 1 | 6-A | 15 | SGN | 2 | 0 |
| 1 | 11-A | 33 | SGN | 14 | 0 |
| 1 | 8-A | 36 | IDS | 2 | 0 |
| 1 | 2-A | 14 | IDS | 6 | 0 |
| 1 | 2-A | 16 | IDS | 1 | 0 |
| 1 | 7-A | 26 | IDS | 2 | 0 |
| 1 | 7-A | 30 | IDS | 1 | 0 |
| 1 | 14-A | 32 | IDS | 1 | 0 |
| 1 | 12-A | 16 | IDS | 2 | 0 |
| 1 | 4-A | 30 | IDS | 9 | 0 |
| 1 | 14-A | 19 | SGN | 5 | 0 |
| 1 | 1-A | 23 | SGN | 11 | 0 |
| 1 | 9-A | 3 | SGN | 1 | 0 |
| 1 | 1-A | 19 | SGN | 5 | 0 |
| 1 | 2-A | 9 | SGN | 7 | 0 |
| 1 | 5-A | 26 | IDS | 6 | 0 |
| 1 | 9-A | 17 | SGN | 4 | 0 |
| 1 | 12-A | 3 | SGN | 2 | 0 |
| 1 | 2-A | 6 | IDS | 6 | 0 |
| 1 | 2-A | 7 | SGN | 2 | 0 |
| 1 | 5-A | 19 | SGN | 6 | 0 |
| 1 | 10-A | 19 | SGN | 8 | 0 |
| 1 | 14-A | 13 | SGN | 1 | 0 |
| 1 | 3-A | 16 | IDS | 5 | 0 |
| 1 | 14-A | 28 | IDS | 3 | 0 |
| 1 | 12-A | 29 | SGN | 4 | 0 |
| 1 | 7-A | 19 | SGN | 11 | 0 |
| 1 | 1-A | 24 | IDS | 10 | 0 |
| 1 | 10-A | 33 | SGN | 3 | 0 |
| 1 | 14-A | 24 | IDS | 3 | 0 |
| 1 | 11-A | 1 | SGN | 1 | 0 |
| 1 | 6-A | 8 | IDS | 4 | 0 |
| 1 | 10-A | 5 | SGN | 6 | 0 |

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| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 1 | 4-A | 19 | SGN | 3 | 0 |
| 1 | 2-A | 8 | IDS | 2 | 0 |
| 1 | 2-A | 30 | IDS | 7 | 0 |
| 1 | 4-A | 36 | IDS | 1 | 0 |
| 1 | 3-A | 34 | IDS | 3 | 0 |
| 1 | 9-A | 9 | SGN | 3 | 0 |
| 1 | 13-A | 4 | IDS | 4 | 0 |
| 1 | 10-A | 18 | IDS | 4 | 0 |
| 1 | 4-A | 22 | IDS | 7 | 0 |
| 1 | 9-A | 13 | SGN | 7 | 0 |
| 1 | 12-A | 15 | SGN | 2 | 0 |
| 1 | 4-A | 32 | IDS | 4 | 0 |
| 1 | 11-A | 32 | IDS | 8 | 0 |
| 1 | 10-A | 26 | IDS | 2 | 0 |
| 1 | 8-A | 6 | IDS | 1 | 0 |
| 1 | 3-A | 23 | SGN | 1 | 0 |
| 1 | 11-A | 30 | IDS | 1 | 0 |
| 1 | 12-A | 34 | IDS | 3 | 0 |
| 1 | 11-A | 21 | SGN | 7 | 0 |
| 1 | 1-A | 15 | SGN | 5 | 0 |
| 1 | 14-A | 9 | SGN | 6 | 0 |
| 1 | 5-A | 25 | SGN | 1 | 0 |
| 1 | 13-A | 32 | IDS | 2 | 0 |
| 1 | 11-A | 16 | IDS | 6 | 0 |
| 1 | 9-A | 18 | IDS | 3 | 0 |
| 1 | 14-A | 2 | IDS | 11 | 0 |
| 1 | 5-A | 30 | IDS | 8 | 0 |
| 1 | 10-A | 25 | SGN | 6 | 0 |
| 1 | 2-A | 20 | IDS | 8 | 0 |
| 1 | 8-A | 11 | SGN | 7 | 0 |
| 1 | 5-A | 35 | SGN | 3 | 0 |
| 1 | 9-A | 14 | IDS | 3 | 0 |
| 1 | 7-A | 29 | SGN | 1 | 0 |
| 1 | 8-A | 8 | IDS | 5 | 0 |
| 1 | 3-A | 9 | SGN | 3 | 0 |
| 1 | 4-A | 12 | IDS | 2 | 0 |
| 1 | 12-A | 14 | IDS | 4 | 0 |
| 1 | 6-A | 5 | SGN | 7 | 0 |
| 1 | 5-A | 13 | SGN | 6 | 0 |
| 1 | 2-A | 26 | IDS | 3 | 0 |
| 1 | 9-A | 5 | SGN | 1 | 0 |
| 1 | 7-A | 4 | IDS | 15 | 0 |

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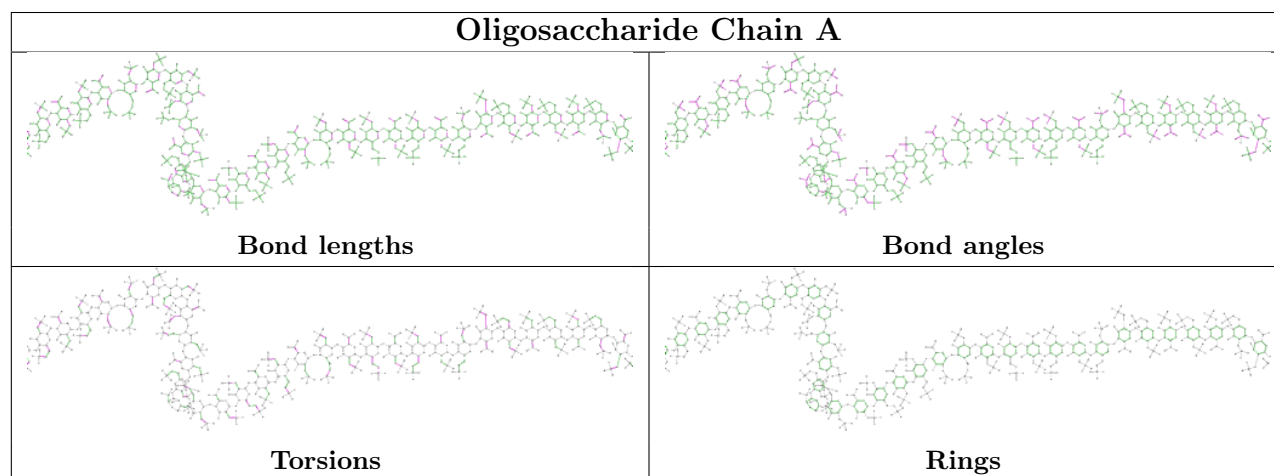
| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 1 | 13-A | 11 | SGN | 4 | 0 |
| 1 | 10-A | 28 | IDS | 14 | 0 |
| 1 | 12-A | 9 | SGN | 9 | 0 |
| 1 | 12-A | 17 | SGN | 5 | 0 |
| 1 | 9-A | 33 | SGN | 2 | 0 |
| 1 | 7-A | 3 | SGN | 11 | 0 |
| 1 | 7-A | 2 | IDS | 5 | 0 |
| 1 | 3-A | 24 | IDS | 3 | 0 |
| 1 | 1-A | 16 | IDS | 5 | 0 |
| 1 | 7-A | 35 | SGN | 6 | 0 |
| 1 | 6-A | 17 | SGN | 7 | 0 |
| 1 | 10-A | 24 | IDS | 5 | 0 |
| 1 | 13-A | 17 | SGN | 3 | 0 |
| 1 | 1-A | 17 | SGN | 7 | 0 |
| 1 | 12-A | 19 | SGN | 8 | 0 |
| 1 | 4-A | 13 | SGN | 2 | 0 |
| 1 | 2-A | 12 | IDS | 6 | 0 |
| 1 | 2-A | 5 | SGN | 6 | 0 |
| 1 | 7-A | 14 | IDS | 6 | 0 |
| 1 | 7-A | 18 | IDS | 8 | 0 |
| 1 | 6-A | 20 | IDS | 1 | 0 |
| 1 | 8-A | 21 | SGN | 6 | 0 |
| 1 | 3-A | 33 | SGN | 1 | 0 |
| 1 | 6-A | 24 | IDS | 4 | 0 |
| 1 | 5-A | 16 | IDS | 8 | 0 |
| 1 | 5-A | 34 | IDS | 5 | 0 |
| 1 | 13-A | 12 | IDS | 2 | 0 |
| 1 | 8-A | 2 | IDS | 1 | 0 |
| 1 | 2-A | 23 | SGN | 12 | 0 |
| 1 | 6-A | 6 | IDS | 8 | 0 |
| 1 | 2-A | 33 | SGN | 8 | 0 |
| 1 | 2-A | 19 | SGN | 7 | 0 |
| 1 | 9-A | 30 | IDS | 8 | 0 |
| 1 | 4-A | 7 | SGN | 6 | 0 |
| 1 | 2-A | 10 | IDS | 7 | 0 |
| 1 | 1-A | 25 | SGN | 4 | 0 |
| 1 | 11-A | 15 | SGN | 4 | 0 |
| 1 | 7-A | 16 | IDS | 8 | 0 |
| 1 | 11-A | 17 | SGN | 6 | 0 |
| 1 | 2-A | 22 | IDS | 17 | 0 |
| 1 | 3-A | 1 | SGN | 2 | 0 |
| 1 | 13-A | 2 | IDS | 3 | 0 |

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| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 1 | 10-A | 17 | SGN | 5 | 0 |
| 1 | 4-A | 9 | SGN | 5 | 0 |
| 1 | 9-A | 10 | IDS | 5 | 0 |
| 1 | 3-A | 18 | IDS | 2 | 0 |
| 1 | 7-A | 17 | SGN | 3 | 0 |
| 1 | 14-A | 27 | SGN | 4 | 0 |
| 1 | 1-A | 8 | IDS | 5 | 0 |
| 1 | 8-A | 32 | IDS | 5 | 0 |
| 1 | 3-A | 14 | IDS | 1 | 0 |
| 1 | 10-A | 7 | SGN | 5 | 0 |
| 1 | 9-A | 20 | IDS | 3 | 0 |
| 1 | 3-A | 32 | IDS | 3 | 0 |
| 1 | 6-A | 23 | SGN | 7 | 0 |
| 1 | 13-A | 13 | SGN | 3 | 0 |
| 1 | 1-A | 6 | IDS | 4 | 0 |
| 1 | 5-A | 27 | SGN | 5 | 0 |
| 1 | 3-A | 10 | IDS | 3 | 0 |
| 1 | 4-A | 5 | SGN | 6 | 0 |
| 1 | 10-A | 32 | IDS | 4 | 0 |
| 1 | 8-A | 34 | IDS | 4 | 0 |
| 1 | 9-A | 24 | IDS | 5 | 0 |
| 1 | 10-A | 10 | IDS | 16 | 0 |
| 1 | 6-A | 25 | SGN | 5 | 0 |
| 1 | 10-A | 16 | IDS | 2 | 0 |
| 1 | 14-A | 26 | IDS | 9 | 0 |

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for oligosaccharide.



4.6 Ligand geometry [i](#)

There are no ligands in this entry.

4.7 Other polymers [i](#)

There are no such residues in this entry.

4.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.