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The crystal structure of the polymeric title compound, *catena*-poly[[[diagualithium]- μ - γ -cyclodextrin(1-)-[aqualithium]- μ - γ -cyclodextrin(1-)] pentadecahydrate], {[$Li_2(C_{48}H_{79}O_{40})_2(H_2O)_3$]·15H₂O}_n, consists of deprotonated y-cyclodextrin (CD) molecules assembled by lithium ions into metalorganic ribbons that are cross-linked by multiple $O-H \cdots O$ hydrogen bonds into sheets extending parallel to $(\overline{011})$. Within a ribbon, one Li⁺ ion is coordinated by one deprotonated hydroxyl group of the first γ -CD torus and by one hydroxyl group of the second γ -CD torus as well as by two water molecules. The other Li⁺ ion is coordinated by one deprotonated hydroxyl and by one hydroxyl group of the second γ -CD torus, by one hydroxyl group of the first γ -CD torus as well as by one water molecule. The coordination spheres of both Li⁺ cations are distorted tetrahedral. The packing of the structure constitute channels along the *a* axis. Parts of the hydroxymethyl groups in cyclodextrin molecules as well as water molecules show two-component disorder. Electron density associated with additional disordered solvent molecules inside the cavities was removed with the SQUEEZE [Spek (2015). Acta Cryst. C71, 9-18] routine in PLATON. These solvent molecules are not considered in the given chemical formula and other crystal data. Five out of the sixteen hydroxymethyl groups and one water molecule are disordered over two sets of sites.

1. Chemical context

Metal-organic frameworks (MOFs) based on cyclodextrin were developed by the Stoddart group and have been known for almost ten years (Smaldone et al., 2010). Many cyclodextrin MOFs with various alkali metal ions have been obtained so far (Patel et al., 2017; Bagabas et al., 2013). Exceptions are lithium ion-based MOFs because all of the compounds obtained that have been reported in the literature contain two different metal ions in the crystal structure (Bagabas et al., 2013; Patel et al., 2017). Lithiumbased MOFs are among the best candidates for electrode materials for lithium-ion batteries because of their high porosity and structural control (Baumann et al., 2019; Sharma et al., 2019). Another potential application of lithium-cyclodextrin MOFs is based on their excellent biocompatibility and low toxicity. Analogous materials with sodium and potassium ions have been studied in the pharmaceutical and biomedicine fields (Han et al., 2018). In view of the importance of the properties of such MOFs, we have successfully synthesized the lithium-based title compound, and report herein its crystal structure.





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1.1. Structural commentary

The structure comprises of two deprotonated γ -cyclodextrin (γ -CD) molecules, two lithium cations and eighteen water molecules in the asymmetric unit (Fig. 1). To distinguish between the first and the second γ -CD molecule, we have assigned the names CD-AH and CD-IP, respectively, and have defined the side of the γ -CD toroid containing the hydroxymethyl groups as the 'top' and the opposite side, having



Figure 1

The asymmetric unit of the title compound drawn with displacement ellipsoids at the 50% probability level. Except for the two Li and coordinating O sites, atomic labels are not shown for clarity.

hydroxyl groups, as the 'bottom'. Other details of the labelling scheme used are given in the *Refinement* section.

Both Li⁺ ions are coordinated by four oxygen atoms in the form of distorted tetrahedra. The Li1⁺ cation is bonded to an oxygen atom of a deprotonated hydroxyl group belonging to the first γ -CD torus [Li1-O3A = 1.977 (6) Å], to an oxygen atom of a hydroxyl group belonging to the second γ -CD molecule through a dative bond [Li1-O2I = 1.921 (6) Å], and to two water molecules [Li1 - O1W = 1.908 (6) Å, Li1 - O2W= 1.882 (6) Å]. The Li2⁺ ion is bonded to one deprotonated hydroxyl oxygen atom and to one hydroxyl oxygen atom of the second γ -CD torus [Li2-O3K = 1.979 (7) Å and Li2-O2J = 1.902 (8) Å, respectively], to a hydroxyl oxygen atom of the first γ -CD torus of another unit cell [Li2-O3E(x, y + 1, z + 1 = 1.973 (8) Å], as well as to one water molecule [Li2-O11W = 1.954 (8) Å]. All hydroxyl groups in a CD-AH fragment form intramolecular O-H···O hydrogen bonds of medium strength between adjacent glucose units around the bottom of the γ -CD torus (Table 1). In a CD-IP fragment, oxygen atoms O3K and O2J do not participate in intramolecular hydrogen bonding but coordinate to the Li2⁺ cation. Five out of the sixteen hydroxymethyl groups (in the A, E, H, J and K glucose units) and one water molecule are disordered over two sets of sites.

2. Supramolecular features

In the crystal structure, the deprotonated γ -CD molecules are linked by the lithium cations into infinite ribbons (Fig. 2) running parallel to [011] and consolidated by $O-H\cdots O$ hydrogen bonds into sheets extending parallel to (011). Therefore the crystal structure can be described as that of a two-dimensional MOF. It should be noted that in the asymmetric unit, the top and bottom of the CD-IP torus have inverted positions relative to the top and bottom of the CD-AH torus. The crystal packing shows that in the sheets there are additional 'bottom-to-bottom' intermolecular hydrogenbonding interactions between adjacent tori. However, not all the hydroxyl groups participate in these interactions. For instance, oxygen atoms O2C, O3F, O2H and O2K do not form intermolecular hydrogen bonds. On the other hand, oxygen atom O2G takes part in two intermolecular hydrogen bonds.





Ribbons of γ -CD tori and lithium ions consolidated by O-H···O hydrogen bonds (not shown) into sheets extending parallel to (01).

Table 1Hydrogen-bond geometry (Å, $^{\circ}$).

$\overline{D-\mathrm{H}\cdots A}$	D-H	$H \cdot \cdot \cdot A$	$D \cdots A$	$D - H \cdots A$
$O2K - H171 \cdots O3B^{i}$	0.82	1.89	2.688 (3)	165
$O2P - H154 \cdot \cdot \cdot O3I$	0.82	2.07	2.799 (4)	148
$O3B - H79 \cdot \cdot \cdot O2C$	0.82	2.20	2.698 (3)	119
$O3C - H83 \cdots O3P^{ii}$	0.82	1.99	2.774 (3)	161
$O3L - H170 \cdot \cdot \cdot O2K$	0.82	2.04	2.788 (3)	152
$O3H-H70\cdots O2A$	0.82	2.07	2.533 (3)	116
$O3O - H157 \cdots O2N$	0.82	2.11	2.915 (3)	168
$O2O-H158\cdots O3B^{iii}$	0.82	1.64	2.450 (3)	167
$O3G-H67\cdots O2P^{iv}$	0.82	2.00	2.714 (3)	146
$O3D - H88 \cdots O2E$	0.82	2.15	2.702 (4)	125
$O2D - H87 \cdots O3C$	0.82	2.05	2.819 (3)	156
$O3M - H165 \cdots O3G^{iii}$	0.82	2.04	2.820 (3)	160
$O6G - H65 \cdots O6M^{v}$	0.82	1.87	2.636 (4)	154
$O3P - H153 \cdot \cdot \cdot O2O$	0.82	1.82	2.611 (3)	163
$O2B - H80 \cdot \cdot \cdot O3O^{ii}$	0.82	1.98	2.772 (3)	161
$O2L - H169 \cdots O3M$	0.82	2.15	2.888 (4)	149
$O2C - H84 \cdots O3W^{vi}$	0.82	2.42	3.116 (4)	144
$O1W - H18B \cdots O2G^{vii}$	0.86	1.93	2.781 (4)	169
$O2H - H71 \cdots O3H$	0.82	2.38	2.813 (3)	113
$O6I - H148 \cdots O6C^{viii}$	0.82	1.95	2.735 (4)	161
$O2I - H149 \cdots O4I$	0.82	2.43	2.818 (3)	110
$O2I - H149 \cdots O3J$	0.82	1.92	2.689 (4)	156
$O3I - H176 \cdot \cdot \cdot O2E^{iii}$	0.82	1.78	2.570 (4)	161
$O2A - H73 \cdots O3J$	0.82	1.64	2.448 (3)	167
$O2N - H162 \cdots O2A^{iii}$	0.82	1.96	2.768 (3)	170
$O6L - H168 \cdots O7W^{ix}$	0.82	1.98	2.771 (4)	161
$O6C - H82 \cdots O17W^{vi}$	0.82	2.18	2.838 (6)	137
$O3I - H150 \cdots O3D^{iii}$	0.82	2.03	2.817(3)	160
$O6F - H61 \cdots O5B^{iv}$	0.82	1.93	2.674(3)	151
$O2G - H66 \cdots O3F$	0.82	2.17	2.883 (5)	146
$O11W - H18C \cdots O2C^{i}$	0.87	1.96	2.753 (4)	151
$O11W - H18D \cdots O16W$	0.86	2.35	2.793 (9)	112
$O2W - H17A \cdots O8W$	0.87	2.03	2.723 (4)	135
$O2W - H17B \cdots O10W$	0.87	2.53	3.306 (9)	149
$O2J - H174 \cdot \cdot \cdot O3H$	0.86(1)	1.85(1)	2.677 (3)	160 (2)
$O2M - H166 \cdots O3N$	0.82	2.10	2.852 (4)	153
$O6B - H78 \cdot \cdot \cdot O9W^{x}$	0.82	1.93	2.732 (4)	164
$O3E - H59 \cdots O2F$	0.82	2.04	2.705 (4)	137
$O2E - H57 \cdots O3J^{ii}$	0.82	1.77	2.570 (4)	163
$O6D - H86 \cdots O5D$	0.82	2.38	2.789 (4)	112
$O6D - H86 \cdots O5W^{v}$	0.82	2.15	2.767 (5)	132
$O6P - H152 \cdots O6B^{viii}$	0.82	1.89	2.710 (4)	179
$O6H1 - H69A \cdots O17W$	0.82	2.49	3.229 (14)	150
$O6H2 - H69B \cdots O6N^{v}$	0.82	2.32	2.969 (9)	137
$O6N-H160\cdots O14W^{iii}$	0.82	1.97	2.714 (10)	151
$O6A2 - H76B \cdots O14W^{xi}$	1.19	2.11	3.276 (14)	166
$O6A1 - H76A \cdots O6N^{v}$	0.82	1.94	2.755 (7)	170
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Symmetry codes: (i) x, y + 1, z; (ii) x, y - 1, z - 1; (iii) x, y + 1, z + 1; (iv) x, y, z - 1; (v) x - 1, y - 1, z - 1; (vi) x, y - 1, z; (vii) x, y, z + 1; (viii) x + 1, y + 1, z + 1; (ix) x + 1, y + 1, z; (x) x - 1, y - 1, z; (xi) x - 1, y, z.

On the whole, the strength of the hydrogen bonds in 'bottomto-bottom' interactions are moderate to weak since most of these bonds are bifurcated, giving rise to both intra- and intermolecular bonds. The ribbons formed by the lithium cations and γ -CD molecules are mainly assembled into sheets by means of 'top-to-top' intermolecular hydrogen-bonding interactions between adjacent tori. In the 'top-to-top' interactions it is possible to distinguish three direct hydrogen bonds O6Pmoderate strength $(O6I-H148\cdots O6C,$ of H152...O6B, O6G-H65...O6M, Table 1), two interactions by means of water molecules O5W and O7W, and one interaction through two water molecules, O7W and O8W. Adjacent sheets are interconnected through additional O-H···O



Figure 3 Channels formed by γ -CD rings along the *a* axis.

hydrogen bonds, involving mainly water molecules lying at the outsides of the sheets, *e.g.* O4W, O9W, O10W.

A remarkable feature of the crystal packing is the formation of channels along the a axis (Fig. 3). These channels are filled with disordered solvent molecules that could not be modelled on basis of the current diffraction data (see *Refinement* section for details).

3. Database survey

A search in the Cambridge Structural Database (CSD, Version 5.40, update November 2018; Groom *et al.*, 2016) revealed 15 entries containing cyclodextrin moieties with lithium cations. The number of entries with cyclodextrin derivatives that contain solely lithium as a metal ion is two, *viz*. CYDXLI10 (Noltemeyer & Saenger, 1980) and FEJFIJ (Kamitori *et al.*, 1987). However, in both cases they do not form a polymeric coordination compound. There are also two metal–organic frameworks built on coordination of lithium cations, but in each case lithium is assisted by another metal, *viz*. manganese in FEVPEC (Geisselmann *et al.*, 2005) and copper in YAPKOP (Fuchs *et al.*, 1993). All other crystal structures containing lithium and cyclodextrin also contain a transition or a main group metal that forms metal–organic frameworks or dimers.

4. Synthesis and crystallization

All solvents and chemicals were obtained from commercial sources and were used without additional purification. The synthetic procedure was analogous to that reported for the sodium compound (Newton *et al.*, 2016). Oxidovanadium(IV) sulfate hydrate (55 mg, 0.25 mmol) and γ -cyclodextrin

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Table 2Experimental details.

Crystal data	
Chemical formula	$[Li_2(C_{48}H_{79}O_{40})_2(H_2O)_3] \cdot 15H_2O$
$M_{ m r}$	2930.26
Crystal system, space group	Triclinic, P1
Temperature (K)	160
<i>a</i> , <i>b</i> , <i>c</i> (Å)	15.00386 (18), 17.0413 (2), 17.64915 (15)
$lpha,eta,\gamma(^\circ)$	117.0411 (10), 96.8906 (9), 96.8281 (10)
$V(Å^3)$	3912.77 (8)
Z	1
Radiation type	Cu <i>Kα</i>
$\mu \text{ (mm}^{-1})$	0.99
Crystal size (mm)	$0.20 \times 0.12 \times 0.06$
Data collection	
Diffractometer	XtaLAB Synergy, Dualflex, HyPix
Absorption correction	Multi-scan (<i>CrysAlis PRO</i> ; Rigaku OD, 2018)
T_{\min}, T_{\max}	0.882, 1.000
No. of measured, independent and observed $[I > 2\sigma(I)]$ reflections	73131, 24072, 22828
R _{int}	0.040
$(\sin \theta / \lambda)_{\rm max} ({\rm \AA}^{-1})$	0.631
Refinement	
$R[F^2 > 2\sigma(F^2)], wR(F^2), S$	0.046, 0.133, 1.04
No. of reflections	24072
No. of parameters	1881
No. of restraints	1760
H-atom treatment	H atoms treated by a mixture of independent and constrained
$\Delta \rho = \Delta \rho + (e \text{\AA}^{-3})$	0.52 - 0.44
Absolute structure	Flack x determined using 7110
Absolute structure	quotients $[(I^+)-(I^-)]/[(I^+)+(I^-)]$ (Parsons <i>et al.</i> 2013)
Absolute structure parameter	0.07 (6)

Computer programs: CrysAlis PRO (Rigaku OD, 2018), SHELXT2014/4 (Sheldrick, 2015a), OLEX2 (Dolomanov et al., 2009), Mercury (Macrae et al., 2020) and publCIF (Westrip, 2010).

(70 mg, 0.054 mmol) were suspended in water (1.0 ml). Lithium hydroxide (31 mg, 1.29 mmol) and γ -cyclodextrin (70 mg, 0.054 mmol) were dissolved in water (0.5 ml) and added to the suspension. After stirring for several minutes, the solid oxidovanadium(IV) sulfate dissolved to yield a green solution. The flask containing this solution was placed into a sealable container filled with acetone, and crystals were obtained by the vapour diffusion method. The precipitate contained crystals of two different forms. Whereas the large colourless cuboid crystals were not suitable for X-ray diffraction studies since their diffraction intensities were of good quality and were subjected to single-crystal X-ray diffraction analysis.

5. Refinement

Crystal data, data collection and structure refinement details are summarized in Table 2. The atom numbering scheme is as follows: The atoms in the D-glucopyranoside units are numbered according to the rules for sugars, and a suffix from A to P is added at the end of the label to distinguish sixteen different glucose units. Labels of water molecules are marked with a letter W at the end.

Several disordered atomic fragments and solvent molecules. as well as a large number of water molecules are present in the crystal structure. To make the refinement stable, it was necessary to apply restraints for the bond lengths (DFIX, SADI), bond angles (DANG), and displacement parameters (SIMU, ISOR) of the disordered moieties. Hydrogen-atom positions of the hydroxyl groups were calculated geometrically and refined using the riding-model approximation, with $U_{\rm iso}({\rm H}) = 1.5 U_{\rm eq}({\rm O})$. Five out of sixteen hydroxymethyl groups in the two γ -CD moieties were found to be disordered over two sets of sites. Eighteen oxygen atoms belonging to water molecules were localized from difference-Fourier maps in the space outside the lithium γ -CD ribbons. Water oxygen atoms O12W and O13W represent two-component positional disorder of a water molecule with refined occupancy factors of 0.578 (12) and 0.422 (12), respectively. Hydrogen atoms were reliably assigned for only eleven of the water molecules. For the other water molecules, modelling of hydrogen atoms lead to unstable refinements, and therefore these oxygen atoms were left as isolated.

Electron density associated with additional disordered solvent molecules inside the cavities was removed by means of the *SQUEEZE* procedure of *PLATON* program (Spek, 2015). The solvent-accessible volume is 845 Å³, the number of electrons in the cavities being 237. Since the solvent did not contain exclusively water but was a mixture of water and acetone, it was not possible to determine its content from these numbers. Therefore the chemical formula and crystal data given in Table 2 do not take into account these solvent molecules.

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Crystal structure of a two-dimensional metal–organic framework assembled from lithium(I) and γ -cyclodextrin

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Computing details

Data collection: *CrysAlis PRO* (Rigaku OD, 2018); cell refinement: *CrysAlis PRO* (Rigaku OD, 2018); data reduction: *CrysAlis PRO* (Rigaku OD, 2018); program(s) used to solve structure: *SHELXT2014/4* (Sheldrick, 2015a); program(s) used to refine structure: *OLEX2* (Dolomanov *et al.*, 2009); molecular graphics: *OLEX2* (Dolomanov *et al.*, 2009) and *Mercury* (Macrae *et al.*, 2020); software used to prepare material for publication: *publCIF* (Westrip, 2010).

catena-Poly[[[diaqualithium]- μ - γ -cyclodextrin(1-)-[aqualithium]- μ - γ -cyclodextrin(1-)] pentadecahydrate]

Crystal data

 $[Li_{2}(C_{48}H_{79}O_{40})_{2}(H_{2}O)_{3}] \cdot 15H_{2}O$ $M_{r} = 2930.26$ Triclinic, *P*1 a = 15.00386 (18) Å b = 17.0413 (2) Å c = 17.64915 (15) Å $a = 117.0411 (10)^{\circ}$ $\beta = 96.8906 (9)^{\circ}$ $\gamma = 96.8281 (10)^{\circ}$ $V = 3912.77 (8) Å^{3}$

Data collection

XtaLAB Synergy, Dualflex, HyPix diffractometer Radiation source: micro-focus sealed X-ray tube ω scans Absorption correction: multi-scan (*CrysAlisPro*; Rigaku OD, 2018) $T_{\min} = 0.882, T_{\max} = 1.000$ 73131 measured reflections

Refinement

Refinement on F^2 Least-squares matrix: full $R[F^2 > 2\sigma(F^2)] = 0.046$ $wR(F^2) = 0.133$ S = 1.0424072 reflections 1881 parameters 1760 restraints Hydrogen site location: mixed Z = 1 F(000) = 1545 $D_x = 1.237 \text{ Mg m}^{-3}$ Cu K\alpha radiation, $\lambda = 1.54184 \text{ Å}$ Cell parameters from 50853 reflections $\theta = 3.7-76.2^{\circ}$ $\mu = 0.99 \text{ mm}^{-1}$ T = 160 KBlock, colourless $0.20 \times 0.12 \times 0.06 \text{ mm}$

24072 independent reflections 22828 reflections with $I > 2\sigma(I)$ $R_{int} = 0.040$ $\theta_{max} = 76.6^{\circ}, \ \theta_{min} = 3.0^{\circ}$ $h = -18 \rightarrow 18$ $k = -21 \rightarrow 21$ $l = -17 \rightarrow 22$

H atoms treated by a mixture of independent and constrained refinement $w = 1/[\sigma^2(F_o^2) + (0.0977P)^2 + 0.4036P]$ where $P = (F_o^2 + 2F_c^2)/3$ $(\Delta/\sigma)_{max} = 0.005$ $\Delta\rho_{max} = 0.52 \text{ e} \text{ Å}^{-3}$ $\Delta\rho_{min} = -0.44 \text{ e} \text{ Å}^{-3}$ Absolute structure: Flack *x* determined using 7110 quotients $[(I^+)-(I^-)]/[(I^+)+(I^-)]$ (Parsons *et al.*, 2013) Absolute structure parameter: 0.07 (6)

Special details

Geometry. All esds (except the esd in the dihedral angle between two l.s. planes) are estimated using the full covariance matrix. The cell esds are taken into account individually in the estimation of esds in distances, angles and torsion angles; correlations between esds in cell parameters are only used when they are defined by crystal symmetry. An approximate (isotropic) treatment of cell esds is used for estimating esds involving l.s. planes.

	x	у	Ζ	$U_{ m iso}$ */ $U_{ m eq}$	Occ. (<1)
Lil	0.4576 (4)	0.3327 (4)	0.5304 (4)	0.0269 (10)	
Li2	0.4710 (5)	0.6996 (5)	0.4054 (5)	0.0458 (15)	
O4G	0.33893 (14)	0.36201 (14)	-0.02301 (14)	0.0227 (4)	
O4B	0.25943 (14)	-0.16976 (13)	0.18179 (14)	0.0231 (4)	
O4I	0.69022 (14)	0.63042 (14)	0.86918 (15)	0.0250 (4)	
O5L	0.88522 (13)	1.24020 (14)	0.70450 (15)	0.0257 (4)	
O4M	0.77825 (14)	1.26949 (14)	0.79513 (14)	0.0233 (4)	
O5D	0.13849 (14)	-0.42259 (16)	-0.22411 (15)	0.0273 (4)	
O4C	0.24639 (14)	-0.35567 (14)	-0.09445 (14)	0.0241 (4)	
O4L	0.74348 (15)	1.02740 (13)	0.53319 (14)	0.0248 (4)	
O2K	0.57505 (14)	0.97489 (14)	0.42374 (15)	0.0265 (4)	
H171	0.528720	0.950440	0.385696	0.040*	
O5B	0.22827 (13)	0.03758 (13)	0.36190 (14)	0.0235 (4)	
O4P	0.69882 (13)	0.88077 (13)	1.11826 (14)	0.0228 (4)	
O2P	0.54964 (15)	0.57295 (15)	0.93057 (16)	0.0295 (5)	
H154	0.546770	0.573920	0.884320	0.044*	
O3B	0.44096 (13)	-0.09424 (14)	0.28231 (15)	0.0239 (4)	
H79	0.423187	-0.131089	0.297725	0.036*	
O3C	0.38207 (13)	-0.37652 (14)	0.01378 (15)	0.0251 (4)	
H83	0.434846	-0.350973	0.039096	0.038*	
O5C	0.14806 (13)	-0.29665 (15)	0.10169 (14)	0.0267 (4)	
O4H	0.31547 (15)	0.33194 (14)	0.21361 (15)	0.0268 (4)	
O4F	0.34970 (16)	0.16664 (16)	-0.28587 (15)	0.0303 (5)	
O4A	0.30249 (14)	0.12114 (14)	0.30616 (15)	0.0245 (4)	
O3L	0.63979 (14)	1.15876 (14)	0.52991 (15)	0.0266 (4)	
H170	0.606220	1.109199	0.508305	0.040*	
050	0.78269 (14)	0.99495 (14)	1.25126 (15)	0.0250 (4)	
O5K	0.80409 (14)	0.92478 (14)	0.42205 (17)	0.0296 (5)	
O4J	0.69125 (16)	0.57746 (15)	0.59780 (16)	0.0301 (5)	
O3A	0.45578 (14)	0.26648 (14)	0.40452 (15)	0.0256 (4)	
ОЗН	0.48013 (13)	0.43926 (15)	0.22488 (14)	0.0246 (4)	
H70	0.493145	0.396666	0.230719	0.037*	
030	0.54312 (14)	1.08832 (15)	1.22884 (17)	0.0290 (5)	
H157	0.555526	1.141159	1.240219	0.044*	
020	0.53771 (14)	0.90287 (14)	1.17899 (16)	0.0286 (5)	

Fractional atomic coordinates and isotropic or equivalent isotropic displacement parameters $(Å^2)$

H158	0.500860	0.907893	1.210907	0.043*
O3G	0.49582 (14)	0.41048 (15)	-0.07879 (15)	0.0277 (4)
H67	0.488399	0.457056	-0.079508	0.042*
O4K	0.69440 (17)	0.73763 (15)	0.45141 (15)	0.0305 (5)
O5H	0.23991 (15)	0.42572 (18)	0.07078 (16)	0.0324 (5)
O3D	0.38241 (15)	-0.45261 (15)	-0.31235 (15)	0.0270 (4)
H88	0.362129	-0.467210	-0.363160	0.040*
O2D	0.35733 (16)	-0.47881(15)	-0.16802(15)	0.0294 (5)
H87	0.366213	-0.436692	-0.118678	0.044*
O5P	0.79307(14)	0 67996 (15)	0 99836 (16)	0.0307(5)
040	0.79907(11) 0.70942(14)	1 17643 (14)	1 21559 (14)	0.0207(2)
03M	0.70942(14)	1 39076 (17)	0.87463(16)	0.0247(4) 0.0325(5)
H165	0.625494	1.39070 (17)	0.807862	0.0323 (3)
06G	0.025494 0.14077 (16)	1.409037 0.37150 (17)	-0.15454(17)	0.049
U0U	0.14077 (10)	0.37130(17) 0.301524	-0.12454(17)	0.0552 (5)
П03 Обі	0.102901 0.78572 (15)	0.591554 0.52567(15)	-0.124331	0.030°
031	0.78375(13)	0.32307(13)	0.07182(13)	0.0283(4)
03P	0.55256 (14)	0.73672 (14)	1.08289 (16)	0.0280 (5)
H153	0.558371	0.789660	1.118925	0.042*
O2B	0.47351 (13)	0.10068 (14)	0.37156 (16)	0.0250 (4)
H80	0.4858 (8)	0.0854 (10)	0.323 (3)	0.037*
O4N	0.76379 (15)	1.32522 (15)	1.07547 (15)	0.0270 (4)
O4D	0.27014 (15)	-0.34672 (15)	-0.34911 (15)	0.0276 (4)
O2L	0.67061 (16)	1.31983 (15)	0.69207 (16)	0.0308 (5)
H169	0.662053	1.319167	0.736814	0.046*
O5N	0.81545 (16)	1.31182 (16)	1.27765 (16)	0.0320 (5)
O5A	0.22133 (15)	0.31348 (16)	0.30186 (18)	0.0318 (5)
O2C	0.38417 (15)	-0.27426 (15)	0.20083 (15)	0.0279 (4)
H84	0.419054	-0.309855	0.189874	0.042*
O1W	0.48557 (15)	0.24468 (16)	0.56322 (16)	0.0303 (5)
H18A	0.445451	0.195735	0.534311	0.045*
H18B	0.480260	0.261930	0.616067	0.045*
O5M	0.88729 (15)	1.36866 (19)	1.02618 (16)	0.0336 (5)
O2H	0.48761 (15)	0.49678 (16)	0.09911 (16)	0.0315 (5)
H71	0.529032	0.486102	0.125594	0.047*
05G	0.25089 (15)	0.26615 (15)	-0.25711 (15)	0.0276 (4)
061	0.88926 (16)	0.52360 (17)	0.80971 (17)	0.0339 (5)
H148	0.924438	0 534406	0.854085	0.051*
04E	0.32910(18)	-0.13183(17)	-0.42103(18)	0.0362(5)
021	0.52910(10) 0.54292(17)	0.13103(17) 0.44324(17)	0.57023(17)	0.0302(5)
H149	0.540797	0.483110	0.556604	0.055*
021	0.540797	0.403110 0.52272 (16)	0.330004 0.47021 (16)	0.033
UJJ U176	0.33030 (13)	0.55572 (10)	0.47931 (10)	0.0310(3)
	0.493307	0.302970	0.303110	0.040°
031	0.28/3(2)	-0.04/18(10)	-0.48551(1/)	0.03/4(3)
02A	0.40924 (13)	0.39320 (13)	0.34311 (10)	0.0292 (3)
H/3	0.496848	0.43826/	0.389003	0.044*
U2N	0.56607 (17)	1.26861 (17)	1.24669 (19)	0.0364 (6)
H162	0.535860	1.306944	1.270032	0.055*
O6L	0.98554 (17)	1.14392 (19)	0.58507 (19)	0.0422 (6)

H168	1.000376	1.198653	0.614766	0.063*
O6C	0.03504 (18)	-0.42468 (19)	-0.05763 (19)	0.0417 (6)
H82	0.062580	-0.435328	-0.021402	0.063*
O3K	0.54173 (15)	0.78671 (16)	0.37916 (18)	0.0340 (5)
O3I	0.53883 (15)	0.5026 (2)	0.75155 (17)	0.0378 (6)
H150	0.489736	0.502015	0.725088	0.057*
O6F	0.19948 (19)	0.10289 (17)	-0.47574 (17)	0.0372 (5)
H61	0.198261	0.066781	-0.526437	0.056*
O2G	0.49327 (18)	0.3003 (2)	-0.26120(18)	0.0458 (7)
H66	0.507964	0.260180	-0.251868	0.069*
011W	0.3588 (2)	0.6672 (2)	0.3201 (2)	0.0454 (6)
H18C	0.360749	0.701641	0.296106	0.068*
H18D	0 312791	0.678308	0.345859	0.068*
O2W	0.34872(17)	0.36492(18)	0.5676(2)	0.0428 (6)
H17A	0.316253	0.322075	0 572224	0.064*
H17B	0.313053	0.322075	0.528180	0.064*
021	0.53701 (18)	0.60521 (18)	0.35856 (18)	0.0383 (6)
023 H174	0.59701(10)	0.5568(16)	0.314(2)	0.057*
060	0.507(2) 0.88795(19)	1 15883 (18)	1 37228 (19)	0.037 0.0443 (6)
H156	0.837298	1 146368	1 381538	0.066*
06M	1,00303,(18)	1 3825 (2)	0.9272(2)	0.0441 (6)
H164	0.983089	1 392302	0.9272 (2)	0.0441 (0)
O3N	0.50020 (18)	1.392302 1 3443 (2)	1 1292 (2)	0.000
H161	0.613786	1 300001	1.1292 (2)	0.0422 (0)
02M	0.013780 0.67426(10)	1.599001	1.159515	0.003
U2M U166	0.07420 (19)	1.43197 (18)	1.05828 (18)	0.0575(5)
06B	0.040440	-0.04866(10)	0.27087(10)	0.030
00B H78	0.03983 (17)	-0.020508	0.27087 (19)	0.0429(0) 0.064*
03E	0.020222	0.020503	-0.3083(2)	0.004
U3F U63	0.52019 (16)	0.1204(2) 0.116408	-0.3083(2)	0.0479(7)
051	0.343781 0.7782(2)	0.110408	0.200433	0.072°
031	0.7782(2) 0.4520(2)	0.0209(3)	0.4337(3)	0.0031(11)
USE	0.4339 (2)	-0.2330(2)	-0.4750(2)	0.0400 (7)
П39 ОбЕ	0.490001	-0.207303	-0.4381/7	0.069
OSE	0.1882(2)	-0.3440(2)	-0.4077(2)	0.0504(7)
U2E	0.4107 (2)	-0.3985 (2)	-0.4311(2)	0.0555 (9)
H57	0.439976	-0.426339	-0.46/581	0.083*
U6D	0.0396 (2)	-0.4458(3)	-0.3795(2)	0.0588 (9)
H86	0.04/62/	-0.48454/	-0.365459	0.088*
O2F	0.5116 (2)	-0.0741(2)	-0.4046 (2)	0.0522 (8)
H62	0.561956	-0.040660	-0.382332	0.0/8*
O6P	0.9038 (2)	0.8142 (2)	1.1544 (3)	0.0682 (11)
H152	0.944959	0.855410	1.190119	0.102*
C30	0.61962 (19)	1.04633 (19)	1.2026 (2)	0.0228 (6)
H128	0.613993	1.021832	1.139690	0.027*
C2L	0.7403 (2)	1.27180 (19)	0.6609 (2)	0.0230 (6)
H108	0.766822	1.294111	0.624655	0.028*
CIK	0.73704 (19)	0.97918 (19)	0.4432 (2)	0.0226 (5)
H98	0.745669	1.021595	0.420243	0.027*

C4B	0.27773 (19)	-0.09871 (19)	0.2692 (2)	0.0229 (6)
H18	0.278765	-0.123363	0.309755	0.027*
C1L	0.81674 (19)	1.28998 (19)	0.7354 (2)	0.0238 (6)
H109	0.844539	1.354072	0.764838	0.029*
C1B	0.31065 (19)	0.09432 (19)	0.3709 (2)	0.0221 (5)
H15	0 323037	0 147801	0 428007	0.027*
C5I	0.7821(2)	0.5915(2)	0.7576 (2)	0.0259(6)
H140	0.775300	0.647941	0 757464	0.031*
C1H	0.773300 0.3231(2)	0.047941 0.4412(2)	0.757404 0.0453 (2)	0.0251 (6)
U111 U20	0.320601	0.4412 (2)	0.025852	0.0201 (0)
C2K	0.520091 0.64103(10)	0.480495	0.023032 0.4022(2)	0.030
U2K	0.04193(19)	0.91997 (19)	0.4022(2)	0.0214(3)
П99	0.0304/3	0.890830	0.559057	0.020
	0.7196 (2)	1.3307 (2)	0.9220 (2)	0.0244 (6)
HII4	0.683208	1.301990	0.9164/8	0.029*
C4K	0.7061 (2)	0.7958 (2)	0.4132 (2)	0.0239 (6)
H101	0.702809	0.759715	0.350709	0.029*
C4L	0.78089 (19)	1.12283 (18)	0.5763 (2)	0.0218 (5)
H106	0.807754	1.139232	0.536315	0.026*
C4C	0.23020 (19)	-0.3551 (2)	-0.0157 (2)	0.0227 (5)
H11	0.207640	-0.416867	-0.027815	0.027*
C1I	0.7067 (2)	0.5024 (2)	0.6088 (2)	0.0271 (6)
H144	0.715164	0.454802	0.553536	0.033*
C5L	0.85443 (19)	1.1452 (2)	0.6548 (2)	0.0256 (6)
H105	0.828687	1.122352	0.691108	0.031*
C3L	0.70319 (19)	1.1718 (2)	0.6043 (2)	0.0226 (5)
H107	0.671099	1.148489	0.637340	0.027*
C1D	0.2073 (2)	-0.4362(2)	-0.1723(2)	0.0238 (6)
H1	0.180193	-0.481154	-0.157237	0.029*
C5B	0.20300 (19)	-0.04334(19)	0.2795 (2)	0.0237 (6)
H19	0.195701	-0.027549	0.232522	0.028*
C40	0.7089 (2)	1,1130 (2)	1.2481 (2)	0.0234 (6)
H129	0.711035	1 143921	1 310759	0.028*
C3B	0.37231(18)	-0.04419(19)	0.2819(2)	0.020
H17	0.372839	-0.031788	0.232907	0.026*
C3K	0.572037 0.6275(2)	0.8467(2)	0.232507 0.4285(2)	0.020
H100	0.625046	0.87/316	0.4203 (2)	0.0202 (0)
C4I	0.023040 0.70031 (10)	0.55071 (10)	0.490341 0.7878 (2)	0.030
	0.70031 (19)	0.55971 (19)	0.7878 (2)	0.0229 (0)
	0.709373 0.2141 (2)	0.300732 0.2052 (2)	0.794020	0.028°
U22	0.3141(2)	0.3933 (2)	0.1809 (2)	0.0237(0)
H32	0.306/38	0.452989	0.220943	0.031*
050	0.7905 (2)	1.06/0 (2)	1.2293 (2)	0.0265 (6)
H130	0.791898	1.042324	1.16/403	0.032*
C4P	0.71111 (19)	0.78935 (19)	1.0858 (2)	0.0238 (6)
H136	0.729405	0.778077	1.134567	0.029*
C5C	0.1591 (2)	-0.2983 (2)	0.0206 (2)	0.0267 (6)
H12	0.180653	-0.236935	0.031289	0.032*
C2D	0.2840 (2)	-0.47043 (19)	-0.2210 (2)	0.0241 (6)
H2	0.257984	-0.530641	-0.269203	0.029*

C1P	0.7129 (2)	0.6185 (2)	0.9428 (2)	0.0251 (6)
H133	0.723353	0.557237	0.923696	0.030*
C2P	0.6321 (2)	0.63080 (19)	0.9890 (2)	0.0249 (6)
H134	0.644516	0.613941	1.034821	0.030*
C4N	0.7591 (2)	1.3419 (2)	1.1609 (2)	0.0260 (6)
H122	0.771367	1.406958	1.199240	0.031*
C3C	0.32148 (19)	-0.31751 (19)	0.0496 (2)	0.0225 (6)
H10	0.346943	-0.257413	0.058965	0.027*
C2C	0.3040 (2)	-0.31241(19)	0.1342 (2)	0.0231 (5)
H9	0.282243	-0.373720	0.123680	0.028*
C3P	0.62033 (19)	0.72757 (19)	1.03117 (19)	0.0228 (6)
H135	0.599670	0.743103	0.985788	0.027*
C4D	0 2370 (2)	-0.4045(2)	-0.3154(2)	0.0250(6)
H4	0 208491	-0.464088	-0.363409	0.030*
C3A	0.38758 (19)	0.2627(2)	0.3374(2)	0.0233 (6)
H24	0.405646	0.230425	0.281307	0.0233 (0)
С2Н	0.4031(2)	0.230123 0.4758(2)	0.1214(2)	0.0262 (6)
H30	0.302201	0.531174	0.168214	0.0202 (0)
C5P	0.392291 0.7847 (2)	0.331174 0.7730(2)	1.0311(2)	0.031
U127	0.766818	0.7730 (2)	1.0311(2) 0.082437	0.0304(7)
C3G	0.700313 0.4212(2)	0.784001 0.3396 (2)	-0.1359(2)	0.037 0.0235(6)
U28	0.4212 (2)	0.3390 (2)	-0.134811	0.0233 (0)
C4M	0.432008 0.80454 (10)	0.264703 1 3362 (2)	0.134811	0.028
	0.80434 (19)	1.3302(2)	0.8849(2)	0.0231 (0)
	0.030944	1.391140	0.10770 (10)	0.028°
C4G	0.33059 (19)	0.3565 (2)	-0.107/9(19)	0.0219(5)
H39	0.318045	0.412856	-0.104863	0.026*
C6G	0.1600 (2)	0.2932 (2)	-0.1509 (2)	0.0306 (7)
H64A	0.114053	0.241332	-0.192692	0.03/*
H64B	0.157577	0.300101	-0.093572	0.037*
C20	0.61608 (19)	0.9703 (2)	1.2249 (2)	0.0240 (6)
H127	0.615319	0.995256	1.286970	0.029*
CIC	0.22856 (19)	-0.2583 (2)	0.1655 (2)	0.0235 (6)
H8	0.216141	-0.257705	0.218959	0.028*
C3D	0.3182 (2)	-0.4117 (2)	-0.2602 (2)	0.0236 (6)
H3	0.348207	-0.351760	-0.213604	0.028*
C3I	0.6123 (2)	0.5374 (2)	0.7235 (2)	0.0289 (6)
H142	0.600399	0.591750	0.721467	0.035*
C2M	0.7496 (2)	1.4271 (2)	1.0178 (2)	0.0293 (6)
H113	0.783755	1.481044	1.019952	0.035*
C1N	0.7277 (2)	1.2688 (2)	1.2749 (2)	0.0263 (6)
H119	0.723753	1.276642	1.332892	0.032*
C5M	0.8643 (2)	1.3037 (3)	0.9366 (2)	0.0302 (7)
H116	0.833673	1.245835	0.929040	0.036*
C6I	0.8726 (2)	0.6056 (2)	0.8134 (2)	0.0308 (7)
H14A	0.921239	0.629997	0.793962	0.037*
H14B	0.873005	0.648742	0.873000	0.037*
C2B	0.39096 (18)	0.04397 (19)	0.3638 (2)	0.0219 (5)
H16	0.398659	0.031312	0.412801	0.026*

C10	0.70214 (19)	0.92891 (19)	1.2083 (2)	0.0231 (6)
H126	0.701780	0.886321	1.231339	0.028*
C3N	0.6614 (2)	1.3025 (2)	1.1592 (2)	0.0288 (6)
H121	0.648631	1.238393	1.117193	0.035*
C4J	0.6947 (2)	0.5696 (2)	0.5146 (2)	0.0310(7)
H91	0.698633	0.507985	0.474171	0.037*
C3J	0.6079 (2)	0.5921 (2)	0.4833 (2)	0.0257 (6)
H92	0.604779	0.653952	0.524109	0.031*
C4A	0.2950 (2)	0.2133 (2)	0.3345(2)	0.0255 (6)
H25	0.280352	0.239391	0.392631	0.031*
C2N	0.200332 0.6542(2)	13111(2)	1.2472(2)	0.031
H120	0.664651	1.374977	1.2472 (2)	0.036*
C2I	0.004031 0.6147(2)	0.5861(2)	0.3053(2)	0.030
U03	0.0147(2)	0.5301 (2)	0.3955 (2)	0.0313(7)
1195 C4E	0.010009	0.324089	0.333383	0.038
	0.3392(2)	0.0931(2)	-0.3030(2)	0.0311(7)
H44	0.374336	0.118033	-0.404/05	0.037*
C21	0.6227 (2)	0.46/5(2)	0.6342 (2)	0.0277(6)
H143	0.632924	0.413489	0.637786	0.033*
С5Н	0.2360 (2)	0.3621 (3)	0.1036 (2)	0.0317 (7)
H33	0.242856	0.303878	0.058066	0.038*
C5G	0.2535 (2)	0.2785 (2)	-0.1706(2)	0.0256 (6)
H40	0.264847	0.223570	-0.169296	0.031*
C6B	0.1118 (2)	-0.0930 (2)	0.2793 (3)	0.0360 (8)
H77A	0.098975	-0.153822	0.231533	0.043*
H77B	0.115229	-0.096473	0.332912	0.043*
C1J	0.7003 (2)	0.6472 (2)	0.3999 (2)	0.0327 (7)
H94	0.704803	0.636699	0.341229	0.039*
C5D	0.1676 (2)	-0.3649 (2)	-0.2595 (2)	0.0301 (7)
Н5	0.195658	-0.304644	-0.212388	0.036*
C6L	0.9402 (2)	1.1077 (2)	0.6311 (2)	0.0342 (7)
H16A	0.981755	1.120867	0.683736	0.041*
H16B	0.923400	1.042913	0.595940	0.041*
C1F	0.3553 (3)	-0.0918(2)	-0.4711(3)	0.0370 (8)
H47	0.362716	-0.138794	-0.527239	0.044*
C5K	0.7987 (2)	0.8606 (2)	0.4547 (3)	0.0311 (7)
H102	0.810724	0.889468	0.518251	0.037*
C6F	0.1866(2)	0.0560(2)	-0.4275(2)	0.0337(7)
H60A	0.136551	0.004820	-0.460269	0.040*
H60B	0.169376	0.095403	-0.373601	0.040*
C6C	0.169970	-0.3344(2)	-0.0366(2)	0.0316(7)
	0.0000 (2)	-0.208301	-0.007005	0.0310(7)
	0.023323	-0.330305	-0.080300	0.038*
	0.008283	0.550595	0.089399 0.1520 (2)	0.033
	0.40332 (19)	0.4078(2)	0.1339 (2)	0.0223 (3)
	0.412370	0.550551	0.10/019	0.027^{*}
	0.020(40	1.12/0(2)	1.2820 (3)	0.0355 (8)
HISA	0.930640	1.094/32	1.203202	0.043*
HI5B	0.890895	1.178657	1.2/1238	0.043*
CIM	0.8143 (2)	1.3964 (2)	1.0673 (2)	0.0296 (6)

H112	0.838949	1.446760	1.125538	0.035*	
C2A	0.3860 (2)	0.3583 (2)	0.3560 (2)	0.0261 (6)	
H23	0.382167	0.393452	0.417107	0.031*	
C1A	0.3026 (2)	0.3633 (2)	0.3001 (2)	0.0263 (6)	
H22	0.296500	0.426351	0.323651	0.032*	
C6M	0.9571 (2)	1.2972 (3)	0.9114 (2)	0.0360(7)	
H16C	0.993496	1.275883	0.944716	0.043*	
H16D	0.949490	1.254439	0.850369	0.043*	
C1G	0.3322 (2)	0.2469 (2)	-0.2866(2)	0.0261 (6)	
H36	0.325606	0.237890	-0.346046	0.031*	
C2G	0.4130 (2)	0.3225 (2)	-0.2295 (2)	0.0297 (6)	
H37	0.402220	0.377099	-0.231631	0.036*	
C5F	0.2709 (2)	0.0236 (2)	-0.4070(2)	0.0313 (7)	
H43	0.259478	-0.000952	-0.367783	0.038*	
C5N	0.8291 (2)	1.3010(2)	1.1942 (2)	0.0296 (6)	
H123	0.822373	1.237134	1.153070	0.035*	
C5A	0.2218 (2)	0.2201 (2)	0.2722 (3)	0.0354 (8)	
H26	0.228115	0.187738	0.211554	0.043*	0.5
H26A	0.242474	0.198121	0.216841	0.043*	0.5
C6P	0.8777 (2)	0.8298 (3)	1.0829 (3)	0.0488 (11)	
H15C	0.922669	0.815094	1.045935	0.059*	
H15D	0.875526	0.892869	1.103937	0.059*	
C1E	0.2557 (3)	-0.3821(2)	-0.4396 (3)	0.0381 (8)	
H50	0.233598	-0.447115	-0.466634	0.046*	
C3F	0.4370 (2)	0.0555 (2)	-0.3430 (3)	0.0371 (8)	
H45	0.423245	0.037637	-0.299475	0.044*	
C4E	0.2992 (3)	-0.2274(3)	-0.4629(3)	0.0394 (8)	
H53	0.285868	-0.251608	-0.525977	0.047*	
C3E	0.3763 (3)	-0.2655 (3)	-0.4371 (3)	0.0381 (8)	
H52	0.394785	-0.233660	-0.373684	0.046*	
C2E	0.3468 (3)	-0.3648(3)	-0.4666(3)	0.0452 (9)	
H51	0.338054	-0.397941	-0.530001	0.054*	
O6H1	0.1267 (6)	0.4429 (7)	0.1842 (6)	0.069 (2)	0.5
H69A	0.084790	0.454334	0.158887	0.104*	0.5
O6H2	0.1390 (5)	0.4201 (6)	0.2070 (5)	0.0513 (18)	0.5
H69B	0.086549	0.414795	0.215377	0.077*	0.5
O6N	0.9921 (2)	1.3200 (4)	1.2466 (4)	0.0879 (15)	
H160	0.981500	1.326387	1.293386	0.132*	
017W	0.0313 (3)	0.5385 (3)	0.0836 (3)	0.0830 (13)	
C6H	0.1430(2)	0.3523 (3)	0.1262 (3)	0.0485(10)	
H68A	0.096105	0.323025	0.073732	0.058*	0.5
H68B	0.140308	0.315691	0.155118	0.058*	0.5
H68C	0.097373	0 352977	0.082698	0.058*	0.5
H68D	0.128281	0.294788	0.125100	0.058*	0.5
C5E	0.2133 (3)	-0.2475(3)	-0.4319 (4)	0.0491 (10)	5.0
C2F	0.4473(3)	-0.0271(3)	-0.4240(3)	0.0405 (8)	
H46	0.469776	-0.007000	-0.463401	0.049*	
C6D	0.0817 (3)	-0.3610(3)	-0.3107(3)	0.0457 (9)	

H85A	0.039178	-0.337689	-0.272430	0.055*	
H85B	0.096917	-0.320047	-0.333539	0.055*	
O6J2	0.8766 (4)	0.5577 (4)	0.5147 (4)	0.078 (2)	0.681 (10)
H96	0.839184	0.521215	0.518670	0.117*	0.681 (10)
C5J	0.7781 (3)	0.6352 (5)	0.5205 (5)	0.077 (2)	() () () () () () () () () ()
H90	0.762506	0.694290	0.553033	0.093*	
C6N	0.9268 (3)	1.3497 (4)	1.2097 (4)	0.0577 (13)	
H15E	0.940345	1.342281	1.154716	0.069*	
H15F	0.931009	1.413403	1.247274	0.069*	
C6A2	0.1259 (9)	0.1885 (11)	0.2886 (9)	0.045 (3)	0.5
H74A	0.078314	0.194721	0.250531	0.053*	0.5
H74B	0.118894	0.125088	0.271841	0.053*	0.5
O6A2	0.1102 (5)	0.2371 (7)	0.3795 (6)	0.070(2)	0.5
H76B	0.060 (8)	0.288 (8)	0.3835 (9)	0.105*	0.5
06A1	0.0648 (3)	0.1665(3)	0.1881 (4)	0.0340 (11)	0.5
H76A	0.049775	0.215614	0.206502	0.051*	0.5
C6A1	0.1262 (9)	0.1658 (9)	0.2527 (8)	0.034(2)	0.5
H74C	0.130932	0 103981	0.236015	0.041*	0.5
H74D	0.101785	0.188688	0.305482	0.041*	0.5
C6I	0.8707(4)	0.6430(4)	0.5734(5)	0.0787(16)	0.0
H95A	0.918469	0.689071	0.577207	0.094*	0.681 (10)
H95B	0.867133	0.650010	0.630629	0.094*	0.681(10)
H95C	0.889915	0.703318	0.621860	0.094*	0.319(10)
H95D	0.864555	0.601232	0.596598	0.094*	0.319(10)
06F1	0.001555 0.0955(12)	-0.2315(11)	-0.5249(10)	0.091	0.519 (10)
H3A	0.120128	-0.271701	-0 555845	0.203*	0.5
C6F1	0.120120 0.1300(10)	-0.2042(10)	-0.4412(11)	0.209	0.5
H58A	0.082986	-0.220544	-0.414892	0.071*	0.5
H58B	0.148970	-0.139331	-0.410665	0.071*	0.5
06E2	0.0580(4)	-0.2339(6)	-0.4395(8)	0.071 0.082(3)	0.5
H3B	0.023202	-0.203576	-0.447411	0.123*	0.5
C6E2	0.023202 0.1375(9)	-0.2283(10)	-0.4785(10)	0.056(3)	0.5
H58C	0.153946	-0.168810	-0.472727	0.068*	0.5
H58D	0.124115	-0.271888	-0 539680	0.068*	0.5
018W	0.7415(3)	0.6151(3)	0.1973 (3)	0.0746 (11)	0.0
O3W	0.57812(19)	0.6781(2)	0.2082(2)	0.0427 (6)	
H2WA	0 543447	0.627810	0.192091	0.064*	
H2WB	0.562760	0.691511	0.168178	0.064*	
05W	0.95468(17)	0.42708(19)	0.65887 (19)	0.0413 (6)	
H3WA	0.982321	0.386821	0.660296	0.062*	
H3WB	0.963261	0.467232	0.711564	0.062*	
04W	0.8557(2)	0.3241(2)	0.4879(2)	0.002 0.0524 (7)	
H4WA	0.853898	0.290389	0.511504	0.079*	
H4WR	0.824511	0.363095	0 514489	0.079*	
06W	0.621011 0.66308(17)	0.27742(19)	0 45749 (18)	0.077(5)	
H5WA	0.613768	0.289410	0 440276	0.057*	
H5WR	0.650579	0.235219	0.470067	0.057*	
09W	0.050575 0.96086 (17)	1 03482 (18)	0.41120 (18)	0.037 (5)	
07.11	0.20000(17)	1.03702 (10)	0.71120 (10)	0.0377(3)	

H6WA	0.917160	0.998846	0.412368	0.056*	
H6WB	0.975257	1.077754	0.462820	0.056*	
O7W	0.07383 (16)	0.32250 (18)	0.67389 (19)	0.0366 (5)	
H7WA	0.120021	0.308498	0.650747	0.055*	
H7WB	0.086153	0.321928	0.721890	0.055*	
O8W	0.18028 (19)	0.27077 (19)	0.5486 (2)	0.0429 (6)	
H8WA	0.177603	0.218572	0.540680	0.064*	
H8WB	0.143470	0.295326	0.530023	0.064*	
O19W	0.9146 (4)	0.6597 (4)	0.1674 (4)	0.1066 (18)	
O15W	0.0418 (7)	0.7128 (9)	0.3110 (8)	0.192 (4)	
O14W	0.9950 (5)	0.3989 (7)	0.4198 (5)	0.155 (4)	
O6K1	0.9611 (8)	0.8782 (8)	0.499 (2)	0.084 (6)	0.53 (4)
H1D	0.971005	0.872130	0.542193	0.126*	0.53 (4)
C6K1	0.8809 (11)	0.8167 (16)	0.4420 (16)	0.044 (4)	0.53 (4)
H6A	0.871216	0.765747	0.452968	0.053*	0.53 (4)
H6B	0.888546	0.794613	0.382403	0.053*	0.53 (4)
O10W	0.1552 (6)	0.3800 (7)	0.4684 (6)	0.133 (2)	
H0AA	0.203617	0.378294	0.447614	0.199*	
H0AB	0.123652	0.406403	0.447476	0.199*	
O13W	0.9767 (9)	0.5847 (7)	0.4050 (8)	0.118 (3)	0.578 (12)
O6J1	0.9400 (6)	0.6234 (8)	0.5190 (8)	0.069 (3)	0.319 (10)
H96A	0.914887	0.590926	0.468113	0.103*	0.319 (10)
O16W	0.1722 (5)	0.6001 (6)	0.2501 (7)	0.153 (3)	
O12W	0.9259 (11)	0.5828 (9)	0.3209 (11)	0.111 (4)	0.422 (12)
O6K2	0.9625 (8)	0.8655 (11)	0.448 (2)	0.068 (5)	0.47 (4)
H1E	0.999543	0.838023	0.457628	0.103*	0.47 (4)
C6K2	0.8742 (13)	0.8103 (18)	0.4156 (19)	0.046 (5)	0.47 (4)
H6AA	0.874542	0.760504	0.428168	0.055*	0.47 (4)
H6AB	0.859853	0.785497	0.353011	0.055*	0.47 (4)

Atomic displacement parameters (\mathring{A}^2)

	U^{11}	U^{22}	U^{33}	U^{12}	U^{13}	U^{23}
Lil	0.027 (2)	0.031 (2)	0.021 (2)	0.0053 (19)	0.0061 (19)	0.010 (2)
Li2	0.047 (3)	0.050 (4)	0.048 (4)	0.008 (3)	0.010 (3)	0.030 (3)
O4G	0.0276 (10)	0.0275 (10)	0.0177 (10)	0.0093 (8)	0.0072 (8)	0.0131 (8)
O4B	0.0257 (9)	0.0217 (9)	0.0178 (10)	0.0045 (7)	0.0044 (8)	0.0059 (8)
O4I	0.0237 (9)	0.0258 (10)	0.0237 (11)	0.0091 (8)	0.0037 (8)	0.0096 (9)
O5L	0.0189 (9)	0.0267 (10)	0.0251 (11)	0.0024 (8)	0.0056 (8)	0.0071 (9)
O4M	0.0244 (9)	0.0237 (9)	0.0216 (11)	0.0054 (7)	0.0071 (8)	0.0100 (8)
O5D	0.0190 (9)	0.0377 (11)	0.0243 (11)	0.0022 (8)	0.0015 (8)	0.0154 (10)
O4C	0.0259 (9)	0.0253 (10)	0.0178 (10)	0.0007 (8)	0.0034 (8)	0.0088 (8)
O4L	0.0304 (10)	0.0182 (9)	0.0206 (10)	0.0023 (8)	0.0015 (8)	0.0063 (8)
O2K	0.0219 (9)	0.0248 (10)	0.0288 (12)	0.0062 (8)	0.0013 (8)	0.0099 (9)
O5B	0.0202 (9)	0.0202 (9)	0.0233 (11)	0.0017 (7)	0.0069 (8)	0.0044 (8)
O4P	0.0235 (9)	0.0216 (9)	0.0207 (10)	0.0045 (7)	0.0059 (8)	0.0076 (8)
O2P	0.0267 (10)	0.0263 (10)	0.0269 (12)	-0.0030 (8)	0.0000 (9)	0.0085 (9)
O3B	0.0167 (8)	0.0245 (9)	0.0287 (11)	0.0074 (7)	0.0043 (8)	0.0103 (9)

O3C	0.0178 (9)	0.0283 (10)	0.0245 (11)	0.0060 (8)	0.0042 (8)	0.0083 (9)
O5C	0.0183 (9)	0.0311 (10)	0.0212 (11)	0.0001 (8)	0.0022 (8)	0.0060 (9)
O4H	0.0314 (11)	0.0278 (10)	0.0231 (11)	0.0036 (8)	0.0080 (9)	0.0136 (9)
O4F	0.0372 (12)	0.0312 (11)	0.0226 (11)	0.0115 (9)	0.0081 (9)	0.0112 (9)
O4A	0.0256 (10)	0.0253 (10)	0.0231 (11)	0.0071 (8)	0.0049 (8)	0.0114 (9)
O3L	0.0258 (10)	0.0244 (10)	0.0265 (11)	0.0061 (8)	0.0006 (8)	0.0103 (9)
050	0.0215 (9)	0.0235 (10)	0.0266 (11)	0.0023 (8)	0.0007 (8)	0.0104 (9)
O5K	0.0233 (10)	0.0243 (10)	0.0433 (14)	0.0067 (8)	0.0109 (9)	0.0164 (10)
O4J	0.0352 (11)	0.0259 (10)	0.0312 (12)	0.0064 (9)	0.0006 (9)	0.0165 (10)
O3A	0.0231 (9)	0.0288 (10)	0.0231 (11)	0.0022 (8)	0.0014 (8)	0.0123 (9)
ОЗН	0.0196 (9)	0.0317 (11)	0.0229 (11)	0.0022 (8)	0.0008 (8)	0.0149 (9)
030	0.0229 (10)	0.0270 (10)	0.0418 (14)	0.0082 (8)	0.0128 (9)	0.0179 (10)
020	0.0218 (9)	0.0236 (10)	0.0344 (12)	0.0027 (8)	0.0102 (9)	0.0083 (9)
03G	0.0246 (10)	0.0279 (10)	0.0266 (12)	0.0021 (8)	0.0039 (8)	0.0107 (9)
O4K	0.0438 (12)	0.0252 (10)	0.0231 (11)	0.0028 (9)	0.0000 (9)	0.0144 (9)
O5H	0.0260 (10)	0.0474 (13)	0.0307 (13)	0.0143 (9)	0.0088 (9)	0.0219 (11)
O3D	0.0288 (10)	0.0297 (10)	0.0258 (11)	0.0128 (8)	0.0109 (9)	0.0130 (9)
02D	0.0368(11)	0.0317(11)	0.0211(11)	0.0158 (9)	0.0057 (9)	0.0117 (9)
05P	0.0214 (9)	0.0288(11)	0.0265(12)	0.0092 (8)	-0.0007(8)	0.0005(9)
040	0.0293(10)	0.0239(10)	0.0215(11)	0.0039(8)	0.0063 (8)	0.0112 (9)
03M	0.0325(11)	0.0424(12)	0.0288(12)	0.0187 (10)	0.0094 (9)	0.0188(11)
06G	0.0284 (11)	0.0391 (12)	0.0377 (14)	0.0136 (9)	0.0111 (10)	0.0203 (11)
051	0.0294 (10)	0.0322 (11)	0.0254 (12)	0.0099 (9)	0.0045 (9)	0.0147 (9)
O3P	0.0241 (10)	0.0247 (10)	0.0304 (12)	0.0017 (8)	0.0097 (9)	0.0088 (9)
O2B	0.0162 (9)	0.0263 (10)	0.0272 (12)	-0.0003(7)	0.0027 (8)	0.0099 (9)
04N	0.0281(10)	0.0303 (10)	0.0259(12)	0.0031 (8)	0.0097(9)	0.0158 (9)
O4D	0.0337 (11)	0.0290 (10)	0.0250 (11)	0.0104 (9)	0.0085 (9)	0.0153 (9)
O2L	0.0337 (11)	0.0314 (11)	0.0272 (12)	0.0167 (9)	0.0069 (9)	0.0113 (10)
O5N	0.0312 (11)	0.0329 (11)	0.0300 (12)	-0.0047(9)	0.0000 (9)	0.0174 (10)
O5A	0.0254 (10)	0.0377 (12)	0.0467 (15)	0.0103 (9)	0.0143 (10)	0.0294 (11)
O2C	0.0264 (10)	0.0281 (10)	0.0248 (11)	0.0073 (8)	-0.0019(9)	0.0102 (9)
01W	0.0307(11)	0.0380(12)	0.0268(12)	0.0106 (9)	0.0079 (9)	0.0179(10)
05M	0.0220(10)	0.0572(15)	0.0266(12)	0.0026(10)	0.0051 (9)	0.0251 (12)
02H	0.0220(10) 0.0272(10)	0.0404(12)	0.0313(12)	0.0026 (9)	0.0070 (9)	0.0214(11)
05G	0.0244(10)	0.0325(11)	0.0232(11)	0.0055 (8)	0.0023 (8)	0.0115 (9)
06I	0.0284 (11)	0.0371 (12)	0.0310 (13)	0.0056 (9)	-0.0047(9)	0.0147 (10)
O4E	0.0482 (14)	0.0338(12)	0.0355 (14)	0.0131 (10)	0.0187 (11)	0.0202 (11)
021	0.0382(12)	0.0344(12)	0.0311(13)	-0.0112(10)	-0.0083(10)	0.0187 (11)
03J	0.0252(12)	0.0351(12)	0.0308(13)	0.0034(9)	0.0059 (9)	0.0146 (10)
O5F	0.0595(16)	0.0269(11)	0.0254(12)	0.0127(11)	0.0098(11)	0.0107 (10)
02A	0.0278(10)	0.0289(10)	0.0275(12)	-0.0039(8)	-0.0004(9)	0.0143 (9)
O2N	0.0320(11)	0.0374(12)	0.0510(16)	0.0139 (10)	0.0243(11)	0.0251(12)
O6L	0.0302(12)	0.0419(13)	0.0400 (15)	0.0072 (10)	0.0163(11)	0.0051 (12)
06C	0.0347(12)	0.0447 (14)	0.0371 (15)	-0.0055(10)	-0.0064(11)	0.0186(12)
O3K	0.0249(10)	0.0327(11)	0.0466 (15)	0.0011 (9)	0.0030 (10)	0.0227(11)
031	0.0191 (10)	0.0617 (16)	0.0351 (14)	-0.0032(10)	0.0002 (9)	0.0288 (13)
O6F	0.0508 (14)	0.0344 (12)	0.0265 (13)	0.0116 (10)	0.0097(11)	0.0134 (10)
02G	0.0317(12)	0.0638 (17)	0.0254 (13)	-0.0032(12)	0.0122 (10)	0.0087(12)
~	(- -		 - • (+-)		···· (··/	

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 0.0266 \ (14) \\ 0.0083 \ (12) \\ 0.0122 \ (11) \\ 0.0077 \ (12) \\ 0.0185 \ (13) \\ 0.0388 \ (15) \\ 0.0202 \ (11) \\ 0.0202 \ (11) \\ 0.0230 \ (14) \\ 0.101 \ (3) \\ 0.0278 \ (14) \\ 0.0316 \ (14) \\ 0.0479 \ (17) \\ 0.053 \ (2) \\ 0.0172 \ (14) \end{array}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 0.0083\ (12)\\ 0.0122\ (11)\\ 0.0077\ (12)\\ 0.0185\ (13)\\ 0.0388\ (15)\\ 0.0202\ (11)\\ 0.0202\ (11)\\ 0.0230\ (14)\\ 0.101\ (3)\\ 0.0278\ (14)\\ 0.0316\ (14)\\ 0.0479\ (17)\\ 0.053\ (2)\\ 0.0172\ (14)\\ \end{array}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 0.0122\ (11)\\ 0.0077\ (12)\\ 0.0185\ (13)\\ 0.0388\ (15)\\ 0.0202\ (11)\\ 0.0051\ (12)\\ 0.0230\ (14)\\ 0.101\ (3)\\ 0.0278\ (14)\\ 0.0316\ (14)\\ 0.0479\ (17)\\ 0.053\ (2)\\ 0.0172\ (14)\\ \end{array}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 0.0077\ (12)\\ 0.0185\ (13)\\ 0.0388\ (15)\\ 0.0202\ (11)\\ 0.0051\ (12)\\ 0.0230\ (14)\\ 0.101\ (3)\\ 0.0278\ (14)\\ 0.0316\ (14)\\ 0.0479\ (17)\\ 0.053\ (2)\\ 0.0172\ (14)\\ \end{array}$
O6M0.0319 (12)0.0534 (15)0.0427 (16)0.0057 (11)0.0129 (11)O3N0.0389 (13)0.0607 (16)0.0488 (17)0.0254 (12)0.0172 (12)O2M0.0459 (13)0.0434 (13)0.0327 (13)0.0204 (11)0.0204 (11)O6B0.0262 (11)0.0458 (14)0.0391 (15)0.0083 (10)0.0063 (10)O3F0.0313 (12)0.0432 (14)0.066 (2)0.0104 (11)0.0096 (13)O5J0.0390 (15)0.099 (3)0.127 (3)0.0363 (16)0.0404 (18)O3E0.0547 (16)0.0411 (14)0.0536 (18)0.0180 (12)0.0290 (14)O5E0.0576 (17)0.0429 (15)0.0506 (18)-0.0049 (12)-0.0137 (14)O2E0.076 (2)0.0560 (17)0.073 (2)0.0421 (16)0.0515 (18)O6D0.0362 (14)0.097 (3)0.058 (2)0.0100 (13)-0.0227 (16)C3O0.0193 (12)0.0223 (18)0.066 (2)0.0100 (13)-0.0227 (16)C3O0.0193 (12)0.0227 (13)0.0244 (15)0.0063 (10)0.0059 (11)C1K0.0208 (12)0.0227 (13)0.0244 (15)0.0063 (10)0.0059 (11)C1L0.0225 (13)0.0249 (13)0.0246 (15)0.0058 (10)0.0077 (11)C1B0.0208 (12)0.0222 (13)0.0217 (14)0.0033 (10)0.0032 (10)	$\begin{array}{c} 0.0185\ (13)\\ 0.0388\ (15)\\ 0.0202\ (11)\\ 0.0051\ (12)\\ 0.0230\ (14)\\ 0.101\ (3)\\ 0.0278\ (14)\\ 0.0316\ (14)\\ 0.0479\ (17)\\ 0.053\ (2)\\ 0.0172\ (14) \end{array}$
O3N0.0389 (13)0.0607 (16)0.0488 (17)0.0254 (12)0.0172 (12)O2M0.0459 (13)0.0434 (13)0.0327 (13)0.0204 (11)0.0204 (11)O6B0.0262 (11)0.0458 (14)0.0391 (15)0.0083 (10)0.0063 (10)O3F0.0313 (12)0.0432 (14)0.066 (2)0.0104 (11)0.0096 (13)O5J0.0390 (15)0.099 (3)0.127 (3)0.0363 (16)0.0404 (18)O3E0.0547 (16)0.0431 (14)0.0536 (18)0.0180 (12)0.0290 (14)O5E0.0576 (17)0.0429 (15)0.0506 (18)-0.0049 (12)-0.0137 (14)O2E0.076 (2)0.0560 (17)0.073 (2)0.0421 (16)0.0515 (18)O6D0.0362 (14)0.097 (3)0.058 (2)0.0170 (12)0.0177 (14)O6P0.0441 (16)0.0523 (18)0.0229 (14)0.0056 (10)0.0060 (10)C2L0.0263 (13)0.0223 (13)0.0218 (14)0.0065 (11)0.0074 (11)C1K0.0204 (12)0.0242 (13)0.0246 (15)0.0058 (10)0.0077 (11)C1B0.0208 (12)0.0222 (13)0.0217 (14)0.0033 (10)0.0032 (10)	$\begin{array}{c} 0.0388 (15) \\ 0.0202 (11) \\ 0.0202 (11) \\ 0.0051 (12) \\ 0.0230 (14) \\ 0.101 (3) \\ 0.0278 (14) \\ 0.0316 (14) \\ 0.0479 (17) \\ 0.053 (2) \\ 0.0172 (14) \end{array}$
O2M0.0459 (13)0.0434 (13)0.0327 (13)0.0204 (11)0.0204 (11)O6B0.0262 (11)0.0458 (14)0.0391 (15)0.0083 (10)0.0063 (10)O3F0.0313 (12)0.0432 (14)0.066 (2)0.0104 (11)0.0096 (13)O5J0.0390 (15)0.099 (3)0.127 (3)0.0363 (16)0.0404 (18)O3E0.0547 (16)0.0431 (14)0.0536 (18)0.0180 (12)0.0290 (14)O5E0.0576 (17)0.0429 (15)0.0506 (18)-0.0049 (12)-0.0137 (14)O2E0.076 (2)0.0560 (17)0.073 (2)0.0421 (16)0.0515 (18)O6D0.0362 (14)0.097 (3)0.058 (2)0.0103 (15)-0.0048 (13)O2F0.0399 (14)0.0421 (15)0.068 (2)0.0170 (12)0.0177 (14)O6P0.0441 (16)0.0523 (18)0.0229 (14)0.0056 (10)0.0060 (10)C2L0.0263 (13)0.0227 (13)0.0218 (14)0.0065 (11)0.0074 (11)C1K0.0208 (12)0.0242 (13)0.0196 (14)0.0041 (10)0.0037 (10)C1L0.0225 (13)0.0249 (13)0.0246 (15)0.0058 (10)0.0077 (11)C1B0.0208 (12)0.0222 (13)0.0217 (14)0.0033 (10)0.0032 (10)	$\begin{array}{c} 0.0202 \ (11) \\ 0.0051 \ (12) \\ 0.0230 \ (14) \\ 0.101 \ (3) \\ 0.0278 \ (14) \\ 0.0316 \ (14) \\ 0.0479 \ (17) \\ 0.053 \ (2) \\ 0.0172 \ (14) \end{array}$
O6B0.0262 (11)0.0458 (14)0.0391 (15)0.0083 (10)0.0063 (10)O3F0.0313 (12)0.0432 (14)0.066 (2)0.0104 (11)0.0096 (13)O5J0.0390 (15)0.099 (3)0.127 (3)0.0363 (16)0.0404 (18)O3E0.0547 (16)0.0431 (14)0.0536 (18)0.0180 (12)0.0290 (14)O5E0.0576 (17)0.0429 (15)0.0506 (18)-0.0049 (12)-0.0137 (14)O2E0.076 (2)0.0560 (17)0.073 (2)0.0421 (16)0.0515 (18)O6D0.0362 (14)0.097 (3)0.058 (2)0.0103 (15)-0.0048 (13)O2F0.0399 (14)0.0421 (15)0.066 (2)0.0100 (13)-0.0227 (16)C3O0.0193 (12)0.0242 (13)0.0229 (14)0.0056 (10)0.0060 (10)C2L0.0263 (13)0.0223 (13)0.0218 (14)0.0065 (11)0.0074 (11)C1K0.0208 (12)0.0242 (13)0.0244 (15)0.0063 (10)0.0037 (10)C1L0.0225 (13)0.0249 (13)0.0217 (14)0.0033 (10)0.0032 (10)	0.0051 (12) 0.0230 (14) 0.101 (3) 0.0278 (14) 0.0316 (14) 0.0479 (17) 0.053 (2) 0.0172 (14)
O3F0.0313 (12)0.0432 (14)0.066 (2)0.0104 (11)0.0096 (13)O5J0.0390 (15)0.099 (3)0.127 (3)0.0363 (16)0.0404 (18)O3E0.0547 (16)0.0431 (14)0.0536 (18)0.0180 (12)0.0290 (14)O5E0.0576 (17)0.0429 (15)0.0506 (18)-0.0049 (12)-0.0137 (14)O2E0.076 (2)0.0560 (17)0.073 (2)0.0421 (16)0.0515 (18)O6D0.0362 (14)0.097 (3)0.058 (2)0.0103 (15)-0.0048 (13)O2F0.0399 (14)0.0421 (15)0.068 (2)0.0170 (12)0.0177 (14)O6P0.0441 (16)0.0523 (18)0.066 (2)0.0100 (13)-0.0227 (16)C3O0.0193 (12)0.0242 (13)0.0229 (14)0.0065 (10)0.0060 (10)C2L0.0263 (13)0.0227 (13)0.0244 (15)0.0063 (10)0.0059 (11)C4B0.0204 (12)0.0242 (13)0.0196 (14)0.0041 (10)0.0037 (10)C1L0.0225 (13)0.0222 (13)0.0217 (14)0.0033 (10)0.0032 (10)	0.0230 (14) 0.101 (3) 0.0278 (14) 0.0316 (14) 0.0479 (17) 0.053 (2) 0.0172 (14)
O5J0.0390 (15)0.099 (3)0.127 (3)0.0363 (16)0.0404 (18)O3E0.0547 (16)0.0431 (14)0.0536 (18)0.0180 (12)0.0290 (14)O5E0.0576 (17)0.0429 (15)0.0506 (18)-0.0049 (12)-0.0137 (14)O2E0.076 (2)0.0560 (17)0.073 (2)0.0421 (16)0.0515 (18)O6D0.0362 (14)0.097 (3)0.058 (2)0.0103 (15)-0.0048 (13)O2F0.0399 (14)0.0421 (15)0.068 (2)0.0170 (12)0.0177 (14)O6P0.0441 (16)0.0523 (18)0.066 (2)0.0100 (13)-0.0227 (16)C3O0.0193 (12)0.0242 (13)0.0229 (14)0.0065 (10)0.0060 (10)C2L0.0263 (13)0.0227 (13)0.0244 (15)0.0063 (10)0.0059 (11)C1K0.0208 (12)0.0242 (13)0.0196 (14)0.0041 (10)0.0037 (10)C1L0.0225 (13)0.0249 (13)0.0246 (15)0.0058 (10)0.0077 (11)C1B0.0208 (12)0.0222 (13)0.0217 (14)0.0033 (10)0.0032 (10)	0.101 (3) 0.0278 (14) 0.0316 (14) 0.0479 (17) 0.053 (2) 0.0172 (14)
O3E0.0547 (16)0.0431 (14)0.0536 (18)0.0180 (12)0.0290 (14)O5E0.0576 (17)0.0429 (15)0.0506 (18)-0.0049 (12)-0.0137 (14)O2E0.076 (2)0.0560 (17)0.073 (2)0.0421 (16)0.0515 (18)O6D0.0362 (14)0.097 (3)0.058 (2)0.0103 (15)-0.0048 (13)O2F0.0399 (14)0.0421 (15)0.068 (2)0.0170 (12)0.0177 (14)O6P0.0441 (16)0.0523 (18)0.066 (2)0.0100 (13)-0.0227 (16)C3O0.0193 (12)0.0242 (13)0.0218 (14)0.0056 (10)0.0060 (10)C2L0.0263 (13)0.0227 (13)0.0244 (15)0.0063 (10)0.0059 (11)C1K0.0208 (12)0.0242 (13)0.0196 (14)0.0041 (10)0.0037 (10)C1L0.0225 (13)0.0249 (13)0.0246 (15)0.0058 (10)0.0077 (11)C1B0.0208 (12)0.0222 (13)0.0217 (14)0.0033 (10)0.0032 (10)	0.0278 (14) 0.0316 (14) 0.0479 (17) 0.053 (2) 0.0172 (14)
O5E0.0576 (17)0.0429 (15)0.0506 (18)-0.0049 (12)-0.0137 (14)O2E0.076 (2)0.0560 (17)0.073 (2)0.0421 (16)0.0515 (18)O6D0.0362 (14)0.097 (3)0.058 (2)0.0103 (15)-0.0048 (13)O2F0.0399 (14)0.0421 (15)0.068 (2)0.0170 (12)0.0177 (14)O6P0.0441 (16)0.0523 (18)0.066 (2)0.0100 (13)-0.0227 (16)C3O0.0193 (12)0.0242 (13)0.0229 (14)0.0056 (10)0.0060 (10)C2L0.0263 (13)0.0223 (13)0.0218 (14)0.0065 (11)0.0074 (11)C1K0.0208 (12)0.0242 (13)0.0196 (14)0.0041 (10)0.0037 (10)C1L0.0225 (13)0.0249 (13)0.0246 (15)0.0058 (10)0.0077 (11)C1B0.0208 (12)0.0222 (13)0.0217 (14)0.0033 (10)0.0032 (10)	0.0316 (14) 0.0479 (17) 0.053 (2) 0.0172 (14)
O2E 0.076 (2) 0.0560 (17) 0.073 (2) 0.0421 (16) 0.0515 (18) O6D 0.0362 (14) 0.097 (3) 0.058 (2) 0.0103 (15) -0.0048 (13) O2F 0.0399 (14) 0.0421 (15) 0.068 (2) 0.0170 (12) 0.0177 (14) O6P 0.0441 (16) 0.0523 (18) 0.066 (2) 0.0100 (13) -0.0227 (16) C3O 0.0193 (12) 0.0242 (13) 0.0229 (14) 0.0055 (10) 0.0060 (10) C2L 0.0263 (13) 0.0223 (13) 0.0218 (14) 0.0065 (11) 0.0074 (11) C1K 0.0208 (12) 0.0227 (13) 0.0244 (15) 0.0063 (10) 0.0037 (10) C4B 0.0204 (12) 0.0249 (13) 0.0246 (15) 0.0058 (10) 0.0077 (11) C1L 0.0225 (13) 0.0222 (13) 0.0217 (14) 0.0033 (10) 0.0032 (10)	0.0479 (17) 0.053 (2) 0.0172 (14)
O6D0.0362 (14)0.097 (3)0.058 (2)0.0103 (15)-0.0048 (13)O2F0.0399 (14)0.0421 (15)0.068 (2)0.0170 (12)0.0177 (14)O6P0.0441 (16)0.0523 (18)0.066 (2)0.0100 (13)-0.0227 (16)C3O0.0193 (12)0.0242 (13)0.0229 (14)0.0056 (10)0.0060 (10)C2L0.0263 (13)0.0223 (13)0.0218 (14)0.0065 (11)0.0074 (11)C1K0.0208 (12)0.0227 (13)0.0244 (15)0.0063 (10)0.0059 (11)C4B0.0204 (12)0.0242 (13)0.0196 (14)0.0041 (10)0.0037 (10)C1L0.0225 (13)0.0249 (13)0.0246 (15)0.0058 (10)0.0077 (11)C1B0.0208 (12)0.0222 (13)0.0217 (14)0.0033 (10)0.0032 (10)	0.053 (2) 0.0172 (14)
O2F0.0399 (14)0.0421 (15)0.068 (2)0.0170 (12)0.0177 (14)O6P0.0441 (16)0.0523 (18)0.066 (2)0.0100 (13)-0.0227 (16)C3O0.0193 (12)0.0242 (13)0.0229 (14)0.0056 (10)0.0060 (10)C2L0.0263 (13)0.0223 (13)0.0218 (14)0.0065 (11)0.0074 (11)C1K0.0208 (12)0.0227 (13)0.0244 (15)0.0063 (10)0.0059 (11)C4B0.0204 (12)0.0242 (13)0.0196 (14)0.0041 (10)0.0037 (10)C1L0.0225 (13)0.0249 (13)0.0246 (15)0.0058 (10)0.0077 (11)C1B0.0208 (12)0.0222 (13)0.0217 (14)0.0033 (10)0.0032 (10)	0.0172 (14)
O6P0.0441 (16)0.0523 (18)0.066 (2)0.0100 (13)-0.0227 (16)C3O0.0193 (12)0.0242 (13)0.0229 (14)0.0056 (10)0.0060 (10)C2L0.0263 (13)0.0223 (13)0.0218 (14)0.0065 (11)0.0074 (11)C1K0.0208 (12)0.0227 (13)0.0244 (15)0.0063 (10)0.0059 (11)C4B0.0204 (12)0.0242 (13)0.0196 (14)0.0041 (10)0.0037 (10)C1L0.0225 (13)0.0249 (13)0.0246 (15)0.0058 (10)0.0077 (11)C1B0.0208 (12)0.0222 (13)0.0217 (14)0.0033 (10)0.0032 (10)	× ,
C3O0.0193 (12)0.0242 (13)0.0229 (14)0.0056 (10)0.0060 (10)C2L0.0263 (13)0.0223 (13)0.0218 (14)0.0065 (11)0.0074 (11)C1K0.0208 (12)0.0227 (13)0.0244 (15)0.0063 (10)0.0059 (11)C4B0.0204 (12)0.0242 (13)0.0196 (14)0.0041 (10)0.0037 (10)C1L0.0225 (13)0.0249 (13)0.0246 (15)0.0058 (10)0.0077 (11)C1B0.0208 (12)0.0222 (13)0.0217 (14)0.0033 (10)0.0032 (10)	0.0009 (16)
C2L0.0263 (13)0.0223 (13)0.0218 (14)0.0065 (11)0.0074 (11)C1K0.0208 (12)0.0227 (13)0.0244 (15)0.0063 (10)0.0059 (11)C4B0.0204 (12)0.0242 (13)0.0196 (14)0.0041 (10)0.0037 (10)C1L0.0225 (13)0.0249 (13)0.0246 (15)0.0058 (10)0.0077 (11)C1B0.0208 (12)0.0222 (13)0.0217 (14)0.0033 (10)0.0032 (10)	0.0090 (11)
C1K0.0208 (12)0.0227 (13)0.0244 (15)0.0063 (10)0.0059 (11)C4B0.0204 (12)0.0242 (13)0.0196 (14)0.0041 (10)0.0037 (10)C1L0.0225 (13)0.0249 (13)0.0246 (15)0.0058 (10)0.0077 (11)C1B0.0208 (12)0.0222 (13)0.0217 (14)0.0033 (10)0.0032 (10)	0.0107 (12)
C4B0.0204 (12)0.0242 (13)0.0196 (14)0.0041 (10)0.0037 (10)C1L0.0225 (13)0.0249 (13)0.0246 (15)0.0058 (10)0.0077 (11)C1B0.0208 (12)0.0222 (13)0.0217 (14)0.0033 (10)0.0032 (10)	0.0106 (11)
C1L0.0225 (13)0.0249 (13)0.0246 (15)0.0058 (10)0.0077 (11)C1B0.0208 (12)0.0222 (13)0.0217 (14)0.0033 (10)0.0032 (10)	0.0068 (11)
C1B 0.0208 (12) 0.0222 (13) 0.0217 (14) 0.0033 (10) 0.0032 (10)	0.0112 (12)
	0.0095 (11)
C5I 0.0245 (13) 0.0232 (13) 0.0266 (16) 0.0049 (10) 0.0043 (12)	0.0091 (12)
C1H 0.0293 (14) 0.0265 (13) 0.0219 (15) 0.0081 (11) 0.0083 (12)	0.0122 (12)
C2K 0.0199 (12) 0.0226 (12) 0.0213 (14) 0.0052 (10) 0.0043 (10)	0.0100 (11)
C3M 0.0228 (13) 0.0280 (14) 0.0236 (15) 0.0057 (11) 0.0061 (11)	0.0126 (12)
C4K 0.0256 (13) 0.0251 (13) 0.0219 (15) 0.0026 (11) 0.0036 (11)	0.0127 (12)
C4L 0.0205 (12) 0.0192 (12) 0.0241 (14) 0.0035 (10) 0.0028 (11)	0.0094 (11)
C4C 0.0208 (12) 0.0246 (13) 0.0210 (14) 0.0036 (10) 0.0019 (11)	0.0100 (11)
C1I 0.0367 (15) 0.0236 (13) 0.0237 (15) 0.0069 (11) 0.0044 (12)	0.0137 (12)
C5L 0.0199 (13) 0.0264 (14) 0.0253 (15) 0.0057 (10) 0.0033 (11)	0.0080 (12)
C3L 0.0193 (12) 0.0256 (13) 0.0227 (14) 0.0043 (10) 0.0016 (11)	0.0119 (12)
C1D 0.0244 (13) 0.0233 (13) 0.0183 (14) 0.0011 (10) 0.0005 (11)	0.0071 (11)
C5B 0.0171 (12) 0.0230 (13) 0.0216 (14) 0.0030 (10) 0.0034 (10)	0.0031 (11)
C4O 0.0256 (13) 0.0242 (13) 0.0223 (15) 0.0036 (11) 0.0049 (11)	0.0128 (12)
C3B 0.0175 (12) 0.0239 (13) 0.0227 (14) 0.0068 (10) 0.0057 (10)	0.0099 (11)
C3K 0.0244 (13) 0.0277 (14) 0.0280 (16) 0.0042 (11) 0.0086 (12)	0.0162 (13)
C4I 0.0196 (12) 0.0219 (12) 0.0199 (14) 0.0008 (10) 0.0018 (11)	0.0050 (11)
C4H 0.0250 (13) 0.0318 (15) 0.0229 (15) 0.0052 (11) 0.0064 (11)	0.0150 (13)
C5O 0.0251 (14) 0.0255 (13) 0.0296 (16) 0.0024 (11) 0.0060 (12)	0.0141 (13)
C4P 0.0193 (12) 0.0225 (13) 0.0221 (15) 0.0036 (10) 0.0023 (11)	0.0047 (11)
C5C 0.0240 (13) 0.0308 (15) 0.0209 (15) 0.0063 (11) 0.0043 (11)	0.0085 (12)
C2D 0.0272 (13) 0.0222 (13) 0.0192 (14) 0.0039 (10) 0.0008 (11)	0.0079 (11)
C1P 0.0235 (13) 0.0257 (13) 0.0205 (14) 0.0059 (11) -0.0015 (11)	0.0074 (12)
C2P 0.0246 (13) 0.0237 (13) 0.0222 (15) 0.0038 (11) 0.0014 (11)	0.0084 (12)
C4N 0.0262 (14) 0.0295 (14) 0.0279 (16) 0.0059 (11) 0.0106 (12)	0.0172 (13)
C3C 0.0186 (12) 0.0226 (13) 0.0238 (15) 0.0039 (10) 0.0024 (11)	0.0094 (11)
C2C 0.0228 (12) 0.0231 (13) 0.0197 (14) 0.0051 (10) 0.0016 (11)	

C3P	0.0218 (12)	0.0227 (12)	0.0200 (14)	0.0043 (10)	0.0047 (11)	0.0068 (11)
C4D	0.0269 (13)	0.0266 (13)	0.0236 (15)	0.0071 (11)	0.0068 (11)	0.0128 (12)
C3A	0.0223 (13)	0.0257 (13)	0.0209 (14)	0.0031 (10)	0.0039 (11)	0.0107 (11)
C2H	0.0311 (14)	0.0243 (13)	0.0225 (15)	0.0056 (11)	0.0066 (12)	0.0102 (12)
C5P	0.0204 (13)	0.0267 (14)	0.0286 (17)	0.0022 (11)	0.0044 (12)	0.0006 (13)
C3G	0.0229 (13)	0.0250 (13)	0.0206 (14)	0.0006 (10)	0.0040 (11)	0.0103 (12)
C4M	0.0188(12)	0.0285(14)	0.0221(15)	0.0045(10)	0.0042 (10)	0.0121(12)
C4G	0.0234(13)	0.0265(13)	0.0169 (14)	0.0056 (10)	0.0045 (10)	0.0108 (11)
C6G	0.0226(13)	0.0368 (16)	0.0340(18)	0.0029(12)	0.0034(12)	0.0193 (14)
C20	0.0211(12)	0.0262(13)	0.0249(15)	0.0040(10)	0.0080(11)	0.0118 (12)
C1C	0.0211(12) 0.0203(12)	0.0202(13)	0.0219(12) 0.0179(14)	0.0015(10)	0.0024(11)	0.00110(12)
C3D	0.0203(12) 0.0247(13)	0.0230(13) 0.0234(13)	0.0179(11) 0.0222(14)	0.0013(10) 0.0077(10)	0.0021(11) 0.0068(11)	0.0091(11) 0.0093(11)
C3L	0.0217(13) 0.0234(13)	0.0251(15)	0.0222(11) 0.0249(16)	-0.0007(11)	-0.0008(12)	0.0093(11) 0.0142(13)
C2M	0.0254(15) 0.0354(16)	0.0330(13) 0.0277(14)	0.0249(10) 0.0281(17)	0.0007(11)	0.0000(12) 0.0124(13)	0.0142(13)
C1N	0.0337(10)	0.0277(11) 0.0228(13)	0.0201(17) 0.0240(15)	0.0071(12) 0.0023(11)	0.0121(13)	0.0120(12)
C5M	0.0337(13) 0.0245(14)	0.0220(19)	0.0240(15) 0.0247(16)	0.0023(11) 0.0143(13)	0.0110(12) 0.0090(12)	0.0120(12) 0.0225(15)
C6I	0.0243(14) 0.0218(13)	0.0302(19)	0.0247(10) 0.0299(17)	0.0145(15) 0.0009(11)	0.0090(12) 0.0036(12)	0.0223(13) 0.0097(14)
C2B	0.0210(13)	0.0327(10)	0.0299(17) 0.0262(15)	0.0007(11)	0.0050(12) 0.0040(10)	0.0097(14)
C10	0.0103(12) 0.0222(13)	0.0225(13) 0.0245(13)	0.0202(13)	0.0007(10)	0.0040(10) 0.0051(11)	0.0110(12) 0.0093(11)
C3N	0.0222(13) 0.0230(13)	0.0249(15) 0.0398(16)	0.0200(14) 0.0333(18)	0.0027(10) 0.0109(12)	0.0001(11) 0.0113(12)	0.00000(11)
C4I	0.0290(15) 0.0294(15)	0.0370(10)	0.0333(10)	0.0109(12) 0.0104(13)	0.0119(12) 0.0108(14)	0.0295 (16)
C3I	0.0291(13)	0.0261(13)	0.0710(19)	0.0101(10) 0.0053(10)	0.0022(11)	0.0299(10) 0.0128(12)
C4A	0.0221(13) 0.0226(13)	0.0201(13) 0.0289(14)	0.0202(10) 0.0319(17)	0.0053(11)	0.0022(11) 0.0091(12)	0.0123(12) 0.0193(13)
C2N	0.0220(15) 0.0318(15)	0.0209(14)	0.0317(17)	0.00000(11)	0.0091(12) 0.0183(13)	0.0170(13)
C21	0.0373(16)	0.0290(14) 0.0269(14)	0.0393(10) 0.0291(17)	0.0069(12)	0.0103(13)	0.0170(14) 0.0129(13)
C ₂ J C ₄ F	0.0375(10) 0.0377(16)	0.0207(14) 0.0293(15)	0.0291(17) 0.0269(17)	0.0000(12) 0.0085(13)	0.0055(13) 0.0123(13)	0.0129(13)
C2I	0.0377(10) 0.0323(15)	0.0253(13)	0.0209(17) 0.0204(15)	-0.0014(11)	-0.00123(13)	0.0119(13)
C5H	0.0323(13) 0.0208(13)	0.0233(13) 0.0477(18)	0.0204(13) 0.0288(17)	0.0014(11) 0.0035(12)	0.0014(12) 0.0034(12)	0.0100(12) 0.0212(15)
C5G	0.0200(13) 0.0251(13)	0.0777(10)	0.0200(17) 0.0242(15)	0.0033(12)	0.0034(12) 0.0019(11)	0.0212(13) 0.0123(12)
C6B	0.0201(13) 0.0203(13)	0.0204(15) 0.0274(15)	0.0242(15)	-0.0004(11)	0.0019(11) 0.0104(13)	0.0125(12) 0.0056(14)
CUL	0.0203(13) 0.0401(17)	0.0277(16)	0.040(2)	0.0004(11) 0.0137(13)	0.0104(13)	0.0000(14) 0.0228(15)
C5D	0.0401(17) 0.0261(14)	0.0327(10)	0.0301(19) 0.0342(18)	0.0139(12)	0.0115(13)	0.0228(15)
C6I	0.0201(14) 0.0245(14)	0.0336(16)	0.0342(18)	0.0135(12) 0.0096(12)	-0.0009(12)	0.0218(13) 0.0052(14)
C1F	0.0245(14)	0.0309(16)	0.0316(18)	0.0000(12) 0.0152(15)	0.0009(12)	0.0052(14)
C5K	0.030(2) 0.0233(14)	0.0201(13)	0.0310(10)	0.0132(13) 0.0018(11)	-0.0001(13)	0.0100(13)
C6F	0.0233(14) 0.0347(16)	0.0201(15) 0.0329(16)	0.045(2) 0.0268(17)	0.0010(11) 0.0011(13)	0.0001(13)	0.0140(13) 0.0102(14)
C6C	0.0347(10) 0.0230(14)	0.0329(10) 0.0370(16)	0.0200(17) 0.0280(17)	0.0011(13) 0.0056(12)	0.0031(13) 0.0017(12)	0.0102(14)
СЗН	0.0200(11) 0.0205(12)	0.0274(13)	0.0200(17) 0.0184(14)	0.0038(10)	0.0017(12)	0.0100(11)
C60	0.0205(12) 0.0226(14)	0.0274(15) 0.0317(16)	0.0104(14)	0.0009(12)	0.0020(10) 0.0009(14)	0.0103 (16)
C1M	0.0220(14) 0.0318(15)	0.0349(15)	0.049(2) 0.0234(16)	0.0009(12)	0.0005(14)	0.0155(10)
$C_{2\Delta}$	0.0310(13) 0.0280(14)	0.0379(13)	0.0254(10)	0.0000(12) 0.0037(11)	0.0065(12)	0.0156 (13)
C1A	0.0280(14) 0.0284(14)	0.0277(14) 0.0300(14)	0.0230(10) 0.0278(16)	0.0037(11) 0.0076(11)	0.0007(12)	0.0130(13)
C6M	0.0234(14) 0.0240(14)	0.0500(14)	0.0278(10) 0.0304(18)	0.0070(11) 0.0125(13)	0.0119(12) 0.0050(13)	0.0100 (15)
CIG	0.0240(14) 0.0296(14)	0.034(2) 0.0283(14)	0.0304(18) 0.0200(14)	0.0123(13) 0.0042(11)	0.0050(13)	0.0101(10)
C2G	0.0290(14) 0.0304(15)	0.0356 (16)	0.0199 (15)	0.0042(11)	0.0076 (12)	0.0110(12)
C5F	0.030 + (13) 0.0406 (17)	0.0350(10) 0.0267(14)	0.0155(15)	0.0010(12)	0.0070(12) 0.0108(13)	0.0109(13) 0.0102(13)
C5N	0.0226(14)	0.0207(17)	0.0346(18)	0.0001(12) 0.0053(12)	0.0077(12)	0.0250(15)
C5A	0.0220(14)	0.0377(17)	0.0510(10)	0.0000(12)	0.0037(12)	0.0200(10) 0.0300(17)
U J11	0.0200 (17)	0.00//(1/)	0.000 (4)	0.0017 (14)	0.00024 (17)	0.0000(17)

C6P	0.0210 (15)	0.0384 (19)	0.053 (3)	-0.0012 (13)	0.0068 (15)	-0.0049 (18)
C1E	0.055 (2)	0.0325 (16)	0.0299 (18)	0.0085 (15)	0.0056 (15)	0.0180 (15)
C3F	0.0360 (17)	0.0363 (17)	0.041 (2)	0.0100 (14)	0.0170 (15)	0.0168 (16)
C4E	0.058 (2)	0.0360 (17)	0.0280 (18)	0.0088 (15)	0.0089 (16)	0.0181 (15)
C3E	0.049 (2)	0.0379 (18)	0.038 (2)	0.0171 (15)	0.0206 (16)	0.0217 (16)
C2E	0.069 (3)	0.0356 (18)	0.039 (2)	0.0175 (17)	0.0220 (19)	0.0202 (17)
O6H1	0.041 (4)	0.109 (7)	0.052 (5)	0.021 (4)	0.022 (4)	0.028 (4)
O6H2	0.033 (3)	0.096 (5)	0.051 (4)	0.017 (3)	0.014 (3)	0.055 (4)
O6N	0.0421 (18)	0.140 (4)	0.137 (4)	0.028 (2)	0.023 (2)	0.109 (4)
O17W	0.072	0.072 (2)	0.074 (3)	-0.0193 (19)	0.027 (2)	0.013 (2)
C6H	0.0212 (15)	0.081 (3)	0.049 (2)	0.0025 (16)	0.0027 (15)	0.038 (2)
C5E	0.044 (2)	0.0411 (19)	0.076 (3)	0.0085 (16)	0.004 (2)	0.041 (2)
C2F	0.047 (2)	0.0387 (18)	0.046 (2)	0.0185 (15)	0.0291 (17)	0.0215 (17)
C6D	0.0302 (17)	0.074 (3)	0.059 (3)	0.0261 (17)	0.0153 (17)	0.047 (2)
O6J2	0.069 (3)	0.070 (3)	0.074 (4)	-0.016 (3)	0.024 (3)	0.020 (3)
C5J	0.0209 (16)	0.137 (5)	0.137 (5)	-0.003 (2)	-0.002 (2)	0.127 (5)
C6N	0.0256 (17)	0.093 (4)	0.084 (4)	0.0039 (19)	0.0072 (19)	0.069 (3)
C6A2	0.020 (3)	0.057 (8)	0.072 (7)	0.001 (4)	0.000 (6)	0.046 (7)
O6A2	0.047 (3)	0.108 (6)	0.089 (5)	0.026 (4)	0.026 (4)	0.069 (5)
O6A1	0.0156 (18)	0.038 (2)	0.046 (3)	0.0006 (16)	-0.0087 (18)	0.023 (2)
C6A1	0.022 (3)	0.039 (6)	0.049 (6)	0.003 (3)	0.003 (5)	0.030 (5)
C6J	0.065 (3)	0.089 (4)	0.093 (5)	0.012 (3)	0.008 (3)	0.055 (4)
O6E1	0.149 (9)	0.142 (9)	0.112 (7)	0.066 (7)	0.000(7)	0.056 (7)
C6E1	0.046 (5)	0.052 (7)	0.092 (8)	0.008 (4)	0.008 (6)	0.046 (7)
O6E2	0.017 (2)	0.080 (4)	0.165 (8)	0.005 (3)	0.005 (3)	0.075 (5)
C6E2	0.046 (5)	0.054 (7)	0.073 (8)	0.007 (4)	-0.010 (5)	0.040 (6)
O18W	0.083 (3)	0.070(2)	0.056 (2)	0.028 (2)	0.013 (2)	0.015 (2)
O3W	0.0425 (14)	0.0472 (15)	0.0399 (15)	0.0069 (11)	0.0045 (11)	0.0233 (13)
O5W	0.0321 (12)	0.0436 (14)	0.0367 (15)	0.0150 (10)	0.0006 (11)	0.0091 (12)
O4W	0.0497 (16)	0.0530 (17)	0.0395 (17)	0.0101 (13)	0.0007 (13)	0.0112 (14)
O6W	0.0341 (12)	0.0453 (14)	0.0363 (14)	0.0068 (10)	0.0077 (10)	0.0216 (12)
O9W	0.0324 (12)	0.0399 (13)	0.0335 (14)	0.0025 (10)	0.0077 (10)	0.0122 (11)
O7W	0.0292 (11)	0.0438 (13)	0.0378 (14)	0.0112 (10)	0.0057 (10)	0.0196 (12)
O8W	0.0405 (13)	0.0429 (14)	0.0531 (18)	0.0060 (11)	0.0137 (12)	0.0288 (14)
O19W	0.091 (3)	0.115 (4)	0.099 (4)	0.033 (3)	0.005 (3)	0.038 (3)
O15W	0.141 (6)	0.253 (10)	0.153 (7)	0.067 (7)	-0.007 (5)	0.074 (7)
O14W	0.108 (5)	0.212 (9)	0.112 (5)	-0.052 (5)	-0.026 (4)	0.080 (6)
O6K1	0.037 (4)	0.038 (4)	0.137 (14)	0.005 (3)	-0.019 (7)	0.017 (7)
C6K1	0.017 (4)	0.034 (5)	0.078 (11)	0.009 (3)	0.000 (5)	0.025 (7)
O10W	0.132 (6)	0.155 (7)	0.134 (7)	0.057 (5)	0.042 (5)	0.076 (5)
O13W	0.139 (7)	0.085 (5)	0.112 (7)	0.030 (5)	0.060 (6)	0.023 (5)
O6J1	0.020 (4)	0.074 (6)	0.116 (8)	-0.001 (4)	0.003 (4)	0.053 (6)
O16W	0.099 (4)	0.140 (5)	0.221 (8)	0.015 (4)	0.064 (5)	0.081 (5)
O12W	0.128 (7)	0.083 (5)	0.117 (7)	0.024 (5)	0.067 (6)	0.031 (5)
O6K2	0.024 (3)	0.038 (5)	0.124 (13)	0.004 (3)	-0.004 (6)	0.028 (7)
C6K2	0.025 (5)	0.031 (5)	0.078 (12)	0.008 (4)	0.001 (5)	0.024 (8)
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Geometric parameters (Å, °)

Li1—O2W	1.882 (6)	C5B—H19	0.9800	
Li1—O1W	1.908 (6)	C4O—C5O	1.521 (4)	
Li1—O2I	1.921 (6)	C4O—H129	0.9800	
Li1—O3A	1.977 (6)	C3B—C2B	1.501 (4)	
Li1—H17B	2.3333	C3B—H17	0.9800	
Li2—O2J	1.902 (8)	C3K—H100	0.9800	
Li2—011W	1.954 (8)	C4I—C3I	1.518 (4)	
Li2—O3E ⁱ	1.973 (8)	C4I—H141	0.9800	
Li2—O3K	1.979 (7)	С4Н—С5Н	1.520 (4)	
O4G—C1H	1.413 (4)	С4Н—С3Н	1.524 (4)	
O4G—C4G	1.445 (4)	C4H—H32	0.9800	
O4B—C1C	1.407 (4)	C50—C60	1.516 (4)	
O4B—C4B	1.429 (4)	C5O—H130	0.9800	
O4I—C1P	1.412 (4)	C4P—C5P	1.521 (4)	
O4I—C4I	1.435 (4)	C4P—C3P	1.521 (4)	
O5L—C1L	1.412 (3)	C4P—H136	0.9800	
O5L—C5L	1.428 (4)	C5C—C6C	1.497 (4)	
O4M—C1L	1.415 (4)	С5С—Н12	0.9800	
O4M—C4M	1.437 (4)	C2D—C3D	1.528 (4)	
O5D—C1D	1.407 (4)	C2D—H2	0.9800	
O5D—C5D	1.439 (4)	C1P—C2P	1.522 (4)	
O4C—C1D	1.419 (4)	C1P—H133	0.9800	
O4C—C4C	1.436 (4)	C2P—C3P	1.513 (4)	
O4L—C1K	1.401 (4)	C2P—H134	0.9800	
O4L—C4L	1.447 (3)	C4N—C5N	1.527 (4)	
O2K—C2K	1.421 (3)	C4N—C3N	1.528 (4)	
O2K—H171	0.8200	C4N—H122	0.9800	
O5B—C1B	1.420 (3)	C3C—C2C	1.513 (4)	
O5B—C5B	1.442 (3)	C3C—H10	0.9800	
O4P-C1O	1.409 (4)	C2C—C1C	1.540 (4)	
O4P—C4P	1.439 (3)	С2С—Н9	0.9800	
O2P—C2P	1.430 (4)	C3P—H135	0.9800	
O2P—H154	0.8200	C4D—C3D	1.520 (4)	
O3B—C3B	1.415 (3)	C4D—C5D	1.524 (4)	
O3B—H79	0.8200	C4D—H4	0.9800	
O3C—C3C	1.419 (3)	C3A—C2A	1.512 (4)	
O3C—H83	0.8200	C3A—C4A	1.519 (4)	
O5C—C1C	1.404 (3)	C3A—H24	0.9800	
O5C—C5C	1.448 (4)	С2Н—С3Н	1.510 (4)	
O4H—C1A	1.417 (4)	C2H—H30	0.9800	
O4H—C4H	1.439 (4)	C5P—C6P	1.513 (4)	
O4F—C4F	1.414 (4)	C5P—H137	0.9800	
O4F—C1G	1.428 (4)	C3G—C4G	1.517 (4)	
O4A—C1B	1.409 (4)	C3G—C2G	1.527 (4)	
O4A—C4A	1.439 (4)	C3G—H38	0.9800	
O3L—C3L	1.437 (4)	C4M—C5M	1.524 (4)	

O3L—H170	0.8200	C4M—H115	0.9800
050—C10	1.408 (3)	C4G—C5G	1.523 (4)
050—C50	1.443 (4)	C4G—H39	0.9800
O5K—C1K	1.417 (3)	C6G—C5G	1.509 (4)
O5K—C5K	1.448 (4)	C6G—H64A	0.9700
O4J—C1I	1.420 (4)	C6G—H64B	0.9700
O4J—C4J	1.420 (4)	C2OC1O	1.539 (4)
O3A—C3A	1.442 (4)	C2O—H127	0.9800
ОЗН—СЗН	1.423 (3)	С1С—Н8	0.9800
O3H—H70	0.8200	C3D—H3	0.9800
O3O—C3O	1.437 (3)	C3I—C2I	1.525 (5)
O3O—H157	0.8200	C3I—H142	0.9800
O2O—C2O	1.401 (3)	C2M—C1M	1.521 (5)
O2O—H158	0.8200	C2M—H113	0.9800
O3G—C3G	1.425 (3)	C1N—C2N	1.534 (5)
O3G—H67	0.8200	C1N—H119	0.9800
O4K—C1J	1.410 (4)	C5M—C6M	1.513 (4)
O4K—C4K	1.437 (4)	C5M—H116	0.9800
O5H—C1H	1.412 (4)	C6I—H14A	0.9700
О5Н—С5Н	1.442 (4)	C6I—H14B	0.9700
O3D—C3D	1.432 (3)	C2B—H16	0.9800
O3D—H88	0.8200	C10—H126	0.9800
O2D—C2D	1.420 (4)	C3N—C2N	1.511 (5)
O2D—H87	0.8200	C3N—H121	0.9800
O5P—C1P	1.411 (4)	C4J—C3J	1.511 (4)
O5P—C5P	1.447 (4)	C4J—C5J	1.536 (5)
O4O—C1N	1.407 (4)	C4J—H91	0.9800
O4O—C4O	1.436 (4)	C3J—C2J	1.525 (5)
O3M—C3M	1.422 (4)	C3J—H92	0.9800
O3M—H165	0.8200	C4A—C5A	1.511 (5)
O6G—C6G	1.426 (4)	C4A—H25	0.9800
O6G—H65	0.8200	C2N—H120	0.9800
O5I—C1I	1.403 (4)	C2J—C1J	1.524 (5)
O5I—C5I	1.430 (4)	С2Ј—Н93	0.9800
O3P—C3P	1.422 (3)	C4F—C3F	1.512 (5)
O3P—H153	0.8200	C4F—C5F	1.533 (5)
O2B—C2B	1.429 (3)	C4F—H44	0.9800
O2B—H80	0.82 (6)	C2I—H143	0.9800
O4N—C4N	1.415 (4)	С5Н—С6Н	1.507 (5)
O4N—C1M	1.425 (4)	С5Н—Н33	0.9800
O4D—C1E	1.405 (4)	C5G—H40	0.9800
O4D—C4D	1.433 (4)	С6В—Н77А	0.9700
O2L—C2L	1.413 (4)	С6В—Н77В	0.9700
O2L—H169	0.8200	C1J—H94	0.9800
O5N—C1N	1.413 (4)	C5D—C6D	1.508 (5)
O5N—C5N	1.442 (4)	C5D—H5	0.9800
O5A—C1A	1.412 (4)	C6L—H16A	0.9700
O5A—C5A	1.433 (4)	C6L—H16B	0.9700

O2C—C2C	1.425 (3)	C1F—C2F	1.530 (6)
O2C—H84	0.8200	C1F—H47	0.9800
O1W—H18A	0.8592	C5K—C6K1	1.51 (2)
O1W—H18B	0.8584	C5K—C6K2	1.54 (3)
O5M—C1M	1.397 (4)	С5К—Н102	0.9800
O5M—C5M	1.425 (4)	C6F—C5F	1.507 (5)
O2H—C2H	1.424 (4)	C6F—H60A	0.9700
O2H—H71	0.8200	C6F—H60B	0.9700
O5G—C1G	1.399 (4)	С6С—Н81А	0.9700
O5G—C5G	1.438 (4)	C6C—H81B	0.9700
Q6I—C6I	1.422 (4)	C3H—H31	0.9800
O6I—H148	0.8200	C6O—H15A	0.9700
04F—C1F	1 404 (4)	C60—H15B	0.9700
O4F - C4F	1.101(1) 1.433(4)	C1M—H112	0.9800
	1,410 (4)	C_{2A} C_{1A}	1.535(4)
$\begin{array}{c} 021 \\ 021 \\ 140 \end{array}$	0.8200	C_{2A} H23	0.9800
021 - 11149	1.405(4)	C1A H22	0.9800
031-031	1.403 (4)	CIA-H22	0.9800
OSE CIE	0.8200	COM-HICD	0.9700
USF-CIF	1.406 (5)	C6M—H16D	0.9700
USF-CSF	1.439 (4)		1.517 (4)
O2A—C2A	1.421 (4)	CIG—H36	0.9800
O2A—H73	0.8200	C2G—H37	0.9800
O2N—C2N	1.427 (4)	C5F—H43	0.9800
O2N—H162	0.8200	C5N—C6N	1.523 (5)
O6L—C6L	1.412 (5)	C5N—H123	0.9800
O6L—H168	0.8200	C5A—C6A1	1.519 (14)
O6C—C6C	1.410 (4)	C5A—C6A2	1.581 (15)
O6C—H82	0.8200	C5A—H26	0.9800
ОЗК—СЗК	1.439 (4)	C5A—H26A	0.9800
O3I—C3I	1.433 (4)	C6P—H15C	0.9700
O3I—H150	0.8200	C6P—H15D	0.9700
O6F—C6F	1.422 (5)	C1E—C2E	1.539 (6)
O6F—H61	0.8200	C1E—H50	0.9800
O2G—C2G	1.408 (4)	C3F—C2F	1.525 (5)
O2G—H66	0.8200	C3F—H45	0.9800
O11W—H18C	0.8655	C4E—C3E	1.512 (6)
O11W—H18D	0 8649	C4E—C5E	1 521 (6)
02W—H17A	0.8696	C4F—H53	0.9800
02W—H17B	0.8698	C3E-C2E	1.515(5)
02I - C2I	1 410 (4)	C3EH52	0.9800
021 H174	0.850(12)	C2F H51	0.9800
02j - 111/4	1.419(5)	06H1 C6H	1.484(11)
060 H156	0.8200		0.8200
	0.8200		0.8200
	1.417 (3)		1.302 (10)
$\begin{array}{c} 0000 - H104 \\ 0201 - C201 \end{array}$	0.8200		0.8200
	1.428 (4)		1.380 (6)
U3N—H161	0.8200	UoN—H160	0.8200
O2M—C2M	1.415 (4)	С6Н—Н68А	0.97/00

O2M—H166	0.8200	С6Н—Н68В	0.9700
O6B—C6B	1.420 (4)	C6H—H68C	0.9700
O6B—H78	0.8200	C6H—H68D	0.9700
O3F—C3F	1.424 (5)	C5E—C6E2	1.478 (14)
O3F—H63	0.8200	C5E—C6E1	1.553 (15)
O5J—C1J	1.414 (4)	C2F—H46	0.9800
O5J—C5J	1.438 (7)	C6D—H85A	0.9700
O3E—C3E	1.434 (5)	C6D—H85B	0.9700
O3E—H59	0.8200	O6J2—C6J	1.370 (7)
O5E—C1E	1.422 (5)	O6J2—H96	0.8200
O5E—C5E	1.447 (5)	C5J—C6J	1.534 (7)
O2E—C2E	1.397 (6)	С5Ј—Н90	0.9800
O2E—H57	0.8200	C6N—H15E	0.9700
O6D—C6D	1.402 (7)	C6N—H15F	0.9700
O6D—H86	0.8200	C6A2—O6A2	1.498 (17)
O2F—C2F	1.430 (5)	С6А2—Н74А	0.9700
O2F—H62	0.8200	C6A2—H74B	0.9700
O6P—C6P	1.424 (7)	O6A2—H76B	1.19 (18)
O6P—H152	0.8200	O6A1—C6A1	1.382 (14)
C30—C40	1.510 (4)	O6A1—H76A	0.8200
C30—C20	1.514 (4)	C6A1—H74C	0.9700
C3O—H128	0.9800	C6A1—H74D	0.9700
C2L—C3L	1.519 (4)	C6J—O6J1	1.465 (8)
C2L—C1L	1.524 (4)	С6Ј—Н95А	0.9700
C2L—H108	0.9800	С6Ј—Н95В	0.9700
C1K—C2K	1.525 (4)	С6Ј—Н95С	0.9700
С1К—Н98	0.9800	C6J—H95D	0.9700
C4B—C5B	1.525 (4)	O6E1—C6E1	1.343 (17)
C4B—C3B	1.532 (4)	O6E1—H3A	0.8200
C4B—H18	0.9800	C6E1—H58A	0.9700
C1L—H109	0.9800	C6E1—H58B	0.9700
C1B—C2B	1.545 (4)	O6E2—C6E2	1.462 (15)
C1B—H15	0.9800	O6E2—H3B	0.8200
C5I—C6I	1.503 (4)	C6E2—H58C	0.9700
C5I—C4I	1.532 (4)	C6E2—H58D	0.9700
C5I—H140	0.9800	O3W—H2WA	0.8510
С1Н—С2Н	1.522 (4)	O3W—H2WB	0.8500
C1H—H29	0.9800	O5W—H3WA	0.8509
С2К—С3К	1.520 (4)	O5W—H3WB	0.8493
С2К—Н99	0.9800	O4W—H4WA	0.8485
C3M—C4M	1.508 (4)	O4W—H4WB	0.8501
C3M—C2M	1.531 (5)	O6W—H5WA	0.8485
C3M—H114	0.9800	O6W—H5WB	0.8513
С4К—С3К	1.523 (4)	O9W—H6WA	0.8516
C4K—C5K	1.530 (4)	O9W—H6WB	0.8492
C4K—H101	0.9800	O7W—H7WA	0.8500
C4L—C3L	1.514 (4)	O7W—H7WB	0.8500
C4L—C5L	1.528 (4)	O8W—H8WA	0.8304
C4L—C5L	1.528 (4)	O8W—H8WA	0.8304

C4I_H106	0.9800	O8W—H8WB	0.8507
C4C-C5C	1 527 (4)	O6K1 - C6K1	1 416 (8)
C4C-C3C	1.527(1) 1.535(4)	06K1 - H1D	0.8200
C4C—H11	0.9800	C6K1—H6A	0.9700
	1 529 (4)	C6K1—H6B	0.9700
C11_H144	0.9800	O10W H0A A	0.9700
	1.523(4)	O10W HOAR	0.8303
$C_{5L} = C_{6L}$	0.0800		0.0490
C3L = H107	0.9800	O6K2 C6K2	1.414(0)
C1D $C2D$	1.521(4)	O6K2 - C0K2	1.414(3)
	0.0800		0.8200
	0.9800	$C(K_2) = H(AP)$	0.9700
C2B-C0B	1.520 (4)	C0K2—H0AB	0.9700
O2W—Li1—O1W	107.3 (3)	C2D—C3D—H3	109.7
O2W—Li1—O2I	106.3 (3)	O3I—C3I—C4I	108.3 (3)
O1W—Li1—O2I	121.0 (3)	O3I—C3I—C2I	110.6 (3)
O2W—Li1—O3A	118.8 (3)	C4I—C3I—C2I	108.6 (3)
01W—Li1— $03A$	100.1 (3)	O3I - C3I - H142	109.7
O2I—Li1—O3A	104.3 (3)	C4I—C3I—H142	109.7
O2W—Li1—H17B	20.4	C_{2I} C_{3I} H_{142}	109.7
O1W—Li1—H17B	121.9	02M - C2M - C1M	111.2 (3)
O2I—Li1—H17B	105.4	02M— $C2M$ — $C3M$	112.3 (3)
O3A - Li1 - H17B	100.2	C1M - C2M - C3M	112.5(3)
02I - Li2 - 011W	107.0 (4)	0^2M C^2M H^{113}	107.2
$O_2 I_{} I_i 2_{} O_3 F^i$	119 8 (4)	C1M = C2M = H113	107.2
$011W - 1i2 - 03F^{i}$	119.8 (1)	C3M - C2M - H113	107.2
$02I_{III} i2_{III} 03E$	98 3 (4)	040-C1N-05N	107.2 112.0(3)
011W - 1i2 - 03K	98.1 (3)	040 - C1N - C2N	107.9(3)
$O3F^{i}$ I_{i2} $O3K$	1157(4)	05N-C1N-C2N	107.9(3) 109.8(2)
C1H - O4G - C4G	117.4(2)	040-C1N-H119	109.0 (2)
C1C - O4B - C4B	117.7(2) 118.8(2)	05N-C1N-H119	109.0
	116.5(2)	C_{2N} C_{1N} H_{110}	109.0
$C_{11} = 051 = C_{51}$	110.5(2) 115.5(2)	05M $C5M$ $C6M$	109.0 102.5(3)
C1L = 0.04M $C4M$	115.5(2)	$O_{5M} = C_{5M} = C_{6M}$	102.5(3)
C1D O5D C5D	110.5(2) 116.5(2)	C6M C5M C4M	110.9(3) 111.3(3)
C1D = 0.00 = 0.00	110.3(2) 115.8(2)	$C_{M} = C_{M} = C_{M}$	110.6
C1D = 04C = C4C	113.0(2) 118.0(2)	$C_{6M} = C_{5M} = H_{116}$	110.0
C1K = 04L = 04L	110.0 (2)	C4M = C5M = H116	110.0
$C_2 K = O_2 K = \Pi / \Pi$	109.5	C4M - C5M - H110	110.0 111.2(2)
C10 O4P C4P	115.0(2)		111.2(3)
C10-04P-C4P	115.8 (2)	C5L CCL H14A	109.4
C2P = O2P = H154	109.5	$C_{0} = C_{0} = H_{14}$	109.4
C3B = O3B = H/9	109.5	ObI—CoI—HI4B	109.4
C1C 05C C5C	109.5		109.4
	113.6 (2)	H14A—C0I—H14B	108.0
CIA-U4H-C4H	116.0 (2)	U_2B — U_2B — U_3B	111.8 (2)
C4r—O4r—C1G	11/.5 (3)	U2B-C2B-CIB	109.6 (2)
CIB—O4A—C4A	116.1 (2)	C3B—C2B—C1B	112.2 (2)
C3L—O3L—H170	109.5	O2B—C2B—H16	107.7

C10-050-C50	115.0 (2)	C3B-C2B-H16	107.7
C1K—O5K—C5K	113.6 (2)	C1B-C2B-H16	107.7
C1I—O4J—C4J	116.3 (2)	O5O—C1O—O4P	111.7 (2)
C3A—O3A—Li1	125.3 (2)	050	111.4 (2)
C3H—O3H—H70	109.5	O4P—C1O—C2O	109.6 (2)
C3O-O3O-H157	109.5	O5O-C1O-H126	108.0
C2O-O2O-H158	109.5	O4P—C1O—H126	108.0
C3G—O3G—H67	109.5	C2O-C1O-H126	108.0
C1J - O4K - C4K	116.9 (3)	O3N - C3N - C2N	114.5 (3)
C1H—O5H—C5H	1143(2)	O3N - C3N - C4N	1089(3)
C3D - O3D - H88	109 5	C2N-C3N-C4N	100.9(3) 109.7(3)
$C_{2}D_{-}O_{2}D_{-}H_{87}$	109.5	O_{3N} C_{3N} H_{121}	107.9
C1P - O5P - C5P	109.5 113 5 (2)	C2N - C3N - H121	107.9
C1N 040 C40	119.5(2) 110.1(2)	$C_{2N} = C_{3N} = H_{121}$	107.9
$C_{1}^{2}M$ $O_{2}^{2}M$ H_{165}^{2}	119.1 (2)	$O_{41} O_{41} O_{41} O_{41}$	107.9 108.1 (3)
C6G 06G H65	109.5	O4J = C4J = C5J	108.1(3)
	109.5	$C_{4J} = C_{4J} = C_{5J}$	110.1(4)
CII = OSI = CSI	115.4 (2)	C_{3J} C_{4J} C_{3J}	109.7 (3)
C3P = O3P = H103	109.5	O4J = C4J = H91	109.7
$C_{2B} = O_{2B} = H_{80}$	109.5	C3J—C4J—H91	109.7
C4N—O4N—C1M	116.3 (2)	C5J—C4J—H9I	109.7
CIE—O4D—C4D	117.9 (2)	03J—C3J—C4J	110.2 (3)
C2L—O2L—H169	109.5	03J—C3J—C2J	112.7 (3)
C1N - O5N - C5N	113.2 (2)	C4J—C3J—C2J	107.0 (3)
C1A—O5A—C5A	114.6 (2)	O3J—C3J—H92	108.9
С2С—О2С—Н84	109.5	C4J—C3J—H92	108.9
Li1—O1W—H18A	110.6	C2J—C3J—H92	108.9
Li1—O1W—H18B	109.8	O4A—C4A—C5A	110.8 (3)
H18A—O1W—H18B	103.8	O4A—C4A—C3A	106.8 (2)
C1M—O5M—C5M	116.6 (2)	C5A—C4A—C3A	110.0 (2)
C2H—O2H—H71	109.5	O4A—C4A—H25	109.7
C1G—O5G—C5G	113.0 (2)	C5A—C4A—H25	109.7
C6I—O6I—H148	109.5	C3A—C4A—H25	109.7
C1F—O4E—C4E	118.5 (3)	O2N—C2N—C3N	111.6 (3)
C2I—O2I—Li1	121.0 (3)	O2N—C2N—C1N	109.3 (3)
C2I—O2I—H149	109.5	C3N—C2N—C1N	109.8 (3)
Li1—O2I—H149	129.5	O2N-C2N-H120	108.7
C3J—O3J—H176	109.5	C3N—C2N—H120	108.7
C1F—O5F—C5F	113.6 (3)	C1N—C2N—H120	108.7
C2A—O2A—H73	109.5	O2J—C2J—C1J	109.3 (3)
C2N—O2N—H162	109.5	O2J—C2J—C3J	112.6 (3)
C6L—O6L—H168	109.5	C1J—C2J—C3J	112.2 (3)
С6С—О6С—Н82	109.5	O2J—C2J—H93	107.5
C3K = O3K = Li2	127.0(3)	C11-C21-H93	107.5
C3I - O3I - H150	109.5	C3J—C2J—H93	107.5
C6F - C6F - H61	109.5	O4F-C4F-C3F	1063(3)
$C_2G_0^2G_1^2H_{66}$	109.5	O4F-C4F-C5F	110.7(3)
12-011W - H18C	110.8	C3F - C4F - C5F	110.7(3)
	100.0	$O_{4}E C_{4}E H_{4}$	100.0
L_{12} - 011 W - 1110D	102.2		102.7

H18C—O11W—H18D	103.5	C3F—C4F—H44	109.9
Li1—O2W—H17A	111.1	C5F—C4F—H44	109.9
Li1—O2W—H17B	110.4	O2I—C2I—C3I	112.0 (3)
H17A—O2W—H17B	103.2	02I—C2I—C1I	111.0 (3)
$C_2J = O_2J = Li_2$	132.0 (3)	C_{3I} C_{2I} C_{1I}	109.9(3)
$C_2I = O_2I = H_174$	108.9(17)	02I - C2I - H143	107.9
Li2 = 02I = H174	1160(17)	C_{3I} C_{2I} H_{143}	107.9
$C_{60} - O_{60} - H_{156}$	109.5	C1I - C2I - H143	107.9
C6M - 06M - H164	109.5	05H—C5H—C6H	107.5 107.5(3)
C_{3N} O_{3N} H_{161}	109.5	05H - C5H - C4H	107.5(3) 109.0(3)
$C_{2M} = O_{2M} = H_{166}$	109.5	C6H C5H C4H	109.0(3)
C6B O6B H78	109.5	O5H C5H H33	110.1
$C_{0}^{2} = O_{0}^{2} = H_{0}^{2}$	109.5	C6H C5H H33	109.1
$C_{31} = 0_{31} = 1_{103}$	109.5	CAL C2L H33	109.1
$C_{11} = 0_{21} = 0_{21}$	113.0(3) 122.2(4)		109.1
$C_{2E} = O_{2E} = U_{2}$	132.2 (4)	050 - 050 - 000	100.5(2)
	109.5		109.0(2)
L12"	115.1	C_{0}	113.4 (3)
CIE—OSE—CSE	113.6 (3)	05G—C5G—H40	109.1
C2E—O2E—H57	109.5	C6G—C5G—H40	109.1
C6D—O6D—H86	109.5	C4G—C5G—H40	109.1
C2F—O2F—H62	109.5	O6B—C6B—C5B	110.9 (3)
C6P—O6P—H152	109.5	O6B—C6B—H77A	109.5
030	110.9 (2)	С5В—С6В—Н77А	109.5
030	107.5 (2)	O6B—C6B—H77B	109.5
C4O—C3O—C2O	110.5 (2)	C5B—C6B—H77B	109.5
O3O—C3O—H128	109.3	H77A—C6B—H77B	108.0
C4O—C3O—H128	109.3	O4K—C1J—O5J	110.6 (3)
C2O—C3O—H128	109.3	O4K—C1J—C2J	109.4 (3)
O2L—C2L—C3L	112.2 (2)	O5J—C1J—C2J	109.1 (3)
O2L—C2L—C1L	111.1 (2)	O4K—C1J—H94	109.3
C3L—C2L—C1L	111.3 (2)	O5J—C1J—H94	109.3
O2L-C2L-H108	107.3	C2J—C1J—H94	109.3
C3L-C2L-H108	107.3	O5DC5DC6D	105.7 (3)
C1L-C2L-H108	107.3	O5DC5DC4D	108.6 (2)
O4L—C1K—O5K	111.4 (2)	C6DC5DC4D	112.9 (3)
O4L—C1K—C2K	108.8 (2)	O5D—C5D—H5	109.8
O5K—C1K—C2K	109.4 (2)	C6D—C5D—H5	109.8
O4L—C1K—H98	109.1	C4D—C5D—H5	109.8
O5K—C1K—H98	109.1	O6L—C6L—C5L	112.4 (3)
C2K—C1K—H98	109.1	O6L—C6L—H16A	109.1
O4B-C4B-C5B	108.3 (2)	C5L—C6L—H16A	109.1
O4B-C4B-C3B	105.4(2)	O6L - C6L - H16B	109.1
C5B-C4B-C3B	112.2 (2)	C5L - C6L - H16B	109.1
O4B-C4B-H18	110.3	H16A - C6L - H16B	107.8
C5B-C4B-H18	110.3	04E-C1E-05E	110 1 (3)
C3B-C4B-H18	110.3	04F-C1F-C2F	108.7(3)
051 - C11 - 04M	111.6 (2)	0.5E - C1E - C2E	111 4 (3)
051 - C11 - C21	111.1 (2)	O4F-C1F-H47	108.9
	111,1 (<i>4</i>)		100.7

O4M—C1L—C2L	108.6 (2)	O5F—C1F—H47	108.9
O5L—C1L—H109	108.5	C2F—C1F—H47	108.9
O4M—C1L—H109	108.5	O5K—C5K—C6K1	109.8 (10)
C2L-C1L-H109	108.5	O5K—C5K—C4K	109.0 (3)
O4A—C1B—O5B	110.4 (2)	C6K1—C5K—C4K	115.0 (7)
O4A—C1B—C2B	109.6 (2)	O5K—C5K—C6K2	99.9 (11)
O5B—C1B—C2B	109.7 (2)	C4K—C5K—C6K2	108.8 (7)
O4A—C1B—H15	109.0	O5K—C5K—H102	112.8
O5B—C1B—H15	109.0	C4K—C5K—H102	112.8
C2B—C1B—H15	109.0	C6K2—C5K—H102	112.8
O5I—C5I—C6I	106.2 (2)	O6F—C6F—C5F	112.9 (3)
O5I—C5I—C4I	110.1 (2)	O6F—C6F—H60A	109.0
C6I—C5I—C4I	113.2 (3)	C5F—C6F—H60A	109.0
O5I—C5I—H140	109.1	O6F—C6F—H60B	109.0
C6I—C5I—H140	109.1	C5F—C6F—H60B	109.0
C4I—C5I—H140	109.1	H60A—C6F—H60B	107.8
05H—C1H—O4G	111.7 (2)	O6C—C6C—C5C	110.9 (3)
05H—C1H—C2H	110.4 (3)	O6C—C6C—H81A	109.5
04G—C1H—C2H	108.2 (2)	C5C-C6C-H81A	109.5
05H—C1H—H29	108.8	06C—C6C—H81B	109.5
04G-C1H-H29	108.8	C5C-C6C-H81B	109.5
C2H—C1H—H29	108.8	H81A—C6C—H81B	108.0
O2K - C2K - C3K	112.2 (2)	O3H—C3H—C2H	109.7(2)
O2K - C2K - C1K	109.2 (2)	O3H—C3H—C4H	111.4(2)
C3K - C2K - C1K	111.7 (2)	C2H—C3H—C4H	107.4(2)
O2K— $C2K$ — $H99$	107.9	O3H - C3H - H31	109.4
C3K—C2K—H99	107.9	C2H—C3H—H31	109.4
C1K - C2K - H99	107.9	C4H—C3H—H31	109.4
O3M - C3M - C4M	107.6 (2)	060 - C60 - C50	112.1 (3)
O3M—C3M—C2M	110.8 (3)	060—C60—H15A	109.2
C4M—C3M—C2M	108.0 (2)	С50—С60—Н15А	109.2
O3M—C3M—H114	110.1	O6O—C6O—H15B	109.2
C4M—C3M—H114	110.1	C50—C60—H15B	109.2
C2M—C3M—H114	110.1	H15A—C6O—H15B	107.9
O4K—C4K—C3K	106.8 (2)	O5M—C1M—O4N	110.6 (3)
O4K—C4K—C5K	110.3 (3)	O5M—C1M—C2M	111.6 (3)
C3K—C4K—C5K	111.1 (2)	O4N—C1M—C2M	108.7 (3)
O4K—C4K—H101	109.5	O5M—C1M—H112	108.6
C3K—C4K—H101	109.5	O4N—C1M—H112	108.6
C5K—C4K—H101	109.5	C2M—C1M—H112	108.6
O4L—C4L—C3L	107.7 (2)	O2A—C2A—C3A	109.2 (2)
O4L—C4L—C5L	108.6 (2)	O2A—C2A—C1A	111.5 (2)
C3L—C4L—C5L	110.8 (3)	C3A—C2A—C1A	111.6 (3)
O4L—C4L—H106	109.9	O2A—C2A—H23	108.2
C3L—C4L—H106	109.9	СЗА—С2А—Н23	108.2
C5L—C4L—H106	109.9	C1A—C2A—H23	108.2
O4C—C4C—C5C	110.5 (2)	О5А—С1А—О4Н	110.3 (3)
O4C—C4C—C3C	108.2 (2)	O5A—C1A—C2A	111.2 (2)

C5C—C4C—C3C	110.8 (2)	O4H—C1A—C2A	110.2 (2)
O4C—C4C—H11	109.1	O5A—C1A—H22	108.4
C5C—C4C—H11	109.1	O4H—C1A—H22	108.4
C3C—C4C—H11	109.1	C2A—C1A—H22	108.4
O5I—C1I—O4J	110.7 (2)	O6M—C6M—C5M	110.2 (3)
O5I—C1I—C2I	110.9 (3)	O6M—C6M—H16C	109.6
O4J—C1I—C2I	109.0 (3)	C5M—C6M—H16C	109.6
O5I—C1I—H144	108.7	O6M—C6M—H16D	109.6
O4J—C1I—H144	108.7	C5M—C6M—H16D	109.6
C2I—C1I—H144	108.7	H16C—C6M—H16D	108.1
O5L—C5L—C6L	105.2 (2)	O5G—C1G—O4F	109.4 (2)
O5L—C5L—C4L	109.9 (2)	O5G—C1G—C2G	111.5 (3)
C6L—C5L—C4L	113.8 (3)	O4F—C1G—C2G	108.5 (3)
O5L-C5L-H105	109.3	O5G-C1G-H36	109.1
C6L-C5L-H105	109.3	O4F—C1G—H36	109.1
C4L-C5L-H105	109.3	C2G—C1G—H36	109.1
O3L—C3L—C4L	110.4 (2)	O2G-C2G-C1G	109.6 (3)
O3L—C3L—C2L	108.5 (2)	O2G—C2G—C3G	111.7 (3)
C4L—C3L—C2L	110.2 (2)	C1G—C2G—C3G	109.4 (3)
O3L—C3L—H107	109.3	O2G—C2G—H37	108.7
C4L-C3L-H107	109.3	C1G—C2G—H37	108.7
C2L-C3L-H107	109.3	C3G—C2G—H37	108.7
O5D-C1D-O4C	111.5 (2)	O5F—C5F—C6F	109.6 (3)
O5D-C1D-C2D	111.0 (2)	O5F—C5F—C4F	106.9 (3)
O4C—C1D—C2D	108.3 (2)	C6F—C5F—C4F	115.4 (3)
O5D-C1D-H1	108.7	O5F—C5F—H43	108.2
O4C—C1D—H1	108.7	C6F—C5F—H43	108.2
C2D-C1D-H1	108.7	C4F—C5F—H43	108.2
O5B—C5B—C6B	106.7 (2)	O5N—C5N—C6N	105.5 (3)
O5B—C5B—C4B	109.4 (2)	O5N—C5N—C4N	109.3 (3)
C6B—C5B—C4B	112.2 (3)	C6N—C5N—C4N	111.9 (3)
O5B—C5B—H19	109.5	O5N—C5N—H123	110.0
C6B—C5B—H19	109.5	C6N—C5N—H123	110.0
C4B—C5B—H19	109.5	C4N—C5N—H123	110.0
O4OC4OC3O	106.0 (2)	O5A—C5A—C4A	107.8 (3)
O4O—C4O—C5O	110.4 (2)	O5A—C5A—C6A1	112.0 (6)
C3O—C4O—C5O	111.4 (2)	C4A—C5A—C6A1	117.7 (6)
O4O—C4O—H129	109.7	O5A—C5A—C6A2	100.6 (6)
C3O—C4O—H129	109.7	C4A—C5A—C6A2	107.4 (6)
С50—С40—Н129	109.7	O5A—C5A—H26	113.4
O3B—C3B—C2B	111.0 (2)	C4A—C5A—H26	113.4
O3B—C3B—C4B	110.4 (2)	C6A2—C5A—H26	113.4
C2B—C3B—C4B	110.8 (2)	O5A—C5A—H26A	106.2
O3B—C3B—H17	108.2	С4А—С5А—Н26А	106.2
C2B—C3B—H17	108.2	C6A1—C5A—H26A	106.2
C4B—C3B—H17	108.2	O6P—C6P—C5P	110.2 (4)
O3K—C3K—C2K	108.7 (2)	O6P—C6P—H15C	109.6
O3K—C3K—C4K	110.7 (2)	C5P—C6P—H15C	109.6

С2К—С3К—С4К	110.5 (2)	O6P—C6P—H15D	109.6
O3K—C3K—H100	109.0	C5P—C6P—H15D	109.6
C2K—C3K—H100	109.0	H15C—C6P—H15D	108.1
C4K—C3K—H100	109.0	O4D—C1E—O5E	110.3 (3)
O4I—C4I—C3I	106.8 (2)	O4D—C1E—C2E	109.6 (3)
O4I—C4I—C5I	109.9 (2)	O5E—C1E—C2E	111.4 (3)
C3I—C4I—C5I	110.4 (3)	O4D—C1E—H50	108.5
O4I—C4I—H141	109.9	O5E—C1E—H50	108.5
C3I—C4I—H141	109.9	C2E—C1E—H50	108.5
C5I—C4I—H141	109.9	O3F—C3F—C4F	110.2 (3)
O4H—C4H—C5H	111.0 (3)	O3F—C3F—C2F	109.8 (3)
O4H—C4H—C3H	108.2 (2)	C4F—C3F—C2F	109.9 (3)
C5H—C4H—C3H	109.9 (3)	O3F-C3F-H45	109.0
O4H—C4H—H32	109.2	C4F—C3F—H45	109.0
C5H—C4H—H32	109.2	C2F—C3F—H45	109.0
C3H—C4H—H32	109.2	O4E—C4E—C3E	107.1 (3)
050-C50-C60	105.0 (3)	O4E - C4E - C5E	107.9 (3)
050 - C50 - C40	109.9(2)	C3E - C4E - C5E	107.5(3)
C60 - C50 - C40	109.9(2) 1143(3)	O4E - C4E - H53	110.1
050 - C50 - H130	109.2	C3E - C4E - H53	110.1
C60 - C50 - H130	109.2	C5E - C4E - H53	110.1
C40-C50-H130	109.2	O3E-C3E-C4E	110.1 111.0(3)
O4P-C4P-C5P	109.2 109.9(2)	O3E - C3E - C2E	1084(3)
O4P - C4P - C3P	109.9(2) 108.2(2)	C4E - C3E - C2E	111.6(4)
C5P-C4P-C3P	110.2(2)	O3E C3E H52	108.6
O4P-C4P-H136	109.5	C4E-C3E-H52	108.6
C5P-C4P-H136	109.5	C2E-C3E-H52	108.6
C3P-C4P-H136	109.5	O2E - C2E - C3E	112.9 (4)
05C - C5C - C6C	106.2 (3)	O2E - C2E - C1E	107.5(3)
05C - C5C - C4C	108.2(3) 108.5(2)	C3E C2E C1E	107.5(3) 1100(3)
C6C - C5C - C4C	1141(3)	O2E - C2E - H51	108.8
05C - C5C - H12	109.3	C3E - C2E - H51	108.8
C6C - C5C - H12	109.3	C1E - C2E - H51	108.8
C4C-C5C-H12	109.3	C6H - C6H - H69A	109.5
02D-C2D-C3D	111 1 (2)	C6H - O6H2 - H69B	109.5
O2D = C2D = C1D	1121(2)	C6N - O6N - H160	109.5
C3D - C2D - C1D	112.1(2) 111.5(2)	06H2—C6H—C5H	112.3 (5)
O2D - C2D - H2	107.3	06H1—C6H—C5H	108.9(5)
C3D = C2D = H2	107.3	06H1—C6H—H68A	100.9 (5)
C1D - C2D - H2	107.3	C5H - C6H - H68A	109.9
0.5P-C1P-0.4I	110.6 (3)	06H1—C6H—H68B	109.9
05P-C1P-C2P	110.0(3) 111.1(3)	C5H—C6H—H68B	109.9
O4I - C1P - C2P	108 3 (2)	H68A_C6H_H68B	108.3
O5PH133	108.9	O6H2_C6H_H68C	100.5
O4IH133	108.9		109.1
C^{1} C^{1	108.9	06H2_C6H_H68D	109.1
$\begin{array}{c} \hline \hline$	110.5 (2)	С5Н С6Н Н69р	109.1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	110.3(2) 110.9(2)		107.0
021 - 021 - 011	110.9 (2)	поос-соп-поор	107.9

C3P—C2P—C1P	111.7 (2)	O5E—C5E—C6E2	101.9 (7)
O2P—C2P—H134	107.9	O5E—C5E—C4E	107.8 (4)
C3P—C2P—H134	107.9	C6E2—C5E—C4E	106.7 (7)
C1P—C2P—H134	107.9	O5E—C5E—C6E1	112.6 (6)
O4N—C4N—C5N	111.4 (3)	C4E—C5E—C6E1	119.9 (7)
O4N—C4N—C3N	107.2 (3)	O2F—C2F—C3F	112.2 (4)
C5N—C4N—C3N	111.4 (2)	O2F—C2F—C1F	109.1 (3)
O4N—C4N—H122	108.9	C3F—C2F—C1F	111.3 (3)
C5N—C4N—H122	108.9	O2F—C2F—H46	108.0
C3N—C4N—H122	108.9	C3F—C2F—H46	108.0
O3C—C3C—C2C	111.5 (2)	C1F—C2F—H46	108.0
O3C—C3C—C4C	107.5 (2)	O6DC6DC5D	111.8 (3)
C2C—C3C—C4C	108.4 (2)	O6D—C6D—H85A	109.3
O3C—C3C—H10	109.8	C5D-C6D-H85A	109.3
C2C—C3C—H10	109.8	O6D-C6D-H85B	109.3
C4C—C3C—H10	109.8	C5D—C6D—H85B	109.3
O2C—C2C—C3C	112.9 (2)	H85A—C6D—H85B	107.9
O2C—C2C—C1C	109.5 (2)	C6J—O6J2—H96	109.5
C3C—C2C—C1C	110.4 (2)	O5J—C5J—C6J	116.8 (4)
O2C—C2C—H9	107.9	O5J—C5J—C4J	108.5 (5)
С3С—С2С—Н9	107.9	C6J—C5J—C4J	119.0 (4)
С1С—С2С—Н9	107.9	O5J—C5J—H90	103.4
O3P—C3P—C2P	108.8 (2)	C6J—C5J—H90	103.4
O3P—C3P—C4P	111.0 (2)	C4J—C5J—H90	103.4
C2P—C3P—C4P	110.0 (2)	O6N—C6N—C5N	114.0 (4)
O3P—C3P—H135	109.0	O6N—C6N—H15E	108.7
С2Р—С3Р—Н135	109.0	C5N—C6N—H15E	108.7
C4P—C3P—H135	109.0	O6N—C6N—H15F	108.7
O4D-C4D-C3D	108.0 (2)	C5N—C6N—H15F	108.7
O4D-C4D-C5D	110.1 (2)	H15E—C6N—H15F	107.6
C3D—C4D—C5D	109.4 (3)	O6A2—C6A2—C5A	116.4 (10)
O4D—C4D—H4	109.8	O6A2—C6A2—H74A	108.2
C3D—C4D—H4	109.8	C5A—C6A2—H74A	108.2
C5D—C4D—H4	109.8	O6A2—C6A2—H74B	108.2
O3A—C3A—C2A	107.4 (2)	C5A—C6A2—H74B	108.2
O3A—C3A—C4A	110.4 (2)	H74A—C6A2—H74B	107.3
C2A—C3A—C4A	112.2 (2)	C6A2—O6A2—H76B	109.5
O3A—C3A—H24	108.9	C6A1—O6A1—H76A	109.5
C2A—C3A—H24	108.9	O6A1—C6A1—C5A	115.2 (9)
C4A—C3A—H24	108.9	O6A1—C6A1—H74C	108.5
О2Н—С2Н—С3Н	112.2 (2)	C5A—C6A1—H74C	108.5
O2H—C2H—C1H	111.8 (3)	O6A1—C6A1—H74D	108.5
C3H—C2H—C1H	109.2 (2)	C5A—C6A1—H74D	108.5
O2H—C2H—H30	107.8	H74C—C6A1—H74D	107.5
C3H—C2H—H30	107.8	O6J2—C6J—C5J	91.1 (6)
C1H—C2H—H30	107.8	O6J1—C6J—C5J	110.4 (7)
O5P—C5P—C6P	107.1 (3)	O6J2—C6J—H95A	113.4
O5P—C5P—C4P	107.8 (3)	C5J—C6J—H95A	113.4

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C6P—C5P—C4P	112.7 (3)	O6J2—C6J—H95B	113.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	O5P—C5P—H137	109.7	C5J—C6J—H95B	113.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C6P—C5P—H137	109.7	H95A—C6J—H95B	110.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C4P—C5P—H137	109.7	O6J1—C6J—H95C	109.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	O3G—C3G—C4G	112.4 (2)	C5J—C6J—H95C	109.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	O3G—C3G—C2G	112.2 (2)	O6J1—C6J—H95D	109.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C4G—C3G—C2G	109.2 (2)	C5J—C6J—H95D	109.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	O3G—C3G—H38	107.6	H95C—C6J—H95D	108.1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C4G—C3G—H38	107.6	C6E1—O6E1—H3A	109.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C2G—C3G—H38	107.6	O6E1—C6E1—C5E	111.2 (13)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	O4M—C4M—C3M	109.1 (2)	O6E1—C6E1—H58A	109.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	O4M—C4M—C5M	111.1 (2)	C5E—C6E1—H58A	109.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C3M—C4M—C5M	109.6 (2)	O6E1—C6E1—H58B	109.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	O4M—C4M—H115	109.0	C5E—C6E1—H58B	109.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C3M—C4M—H115	109.0	H58A—C6E1—H58B	108.0
$\begin{array}{cccccc} 0.46 & -C4G & -C3G & 106.7 (2) & 0.6E2 & -C6E2 & -C5E & 107.0 (10) \\ 0.46 & -C4G & -C5G & 109.1 (2) & 0.6E2 & -C6E2 & -H58C & 110.3 \\ 0.36 & -C4G & -C5G & 110.1 (2) & C5E & -C6E2 & -H58D & 110.3 \\ 0.36 & -C4G & -H39 & 110.3 & 0.6E2 & -C6E2 & -H58D & 110.3 \\ C5G & -C4G & -H39 & 110.3 & C5E & -C6E2 & -H58D & 108.6 \\ 0.6G & -C6G & -C5G & 110.3 (3) & H2WA & -O3W & -H2WB & 104.6 \\ 0.6G & -C6G & -H64A & 109.6 & H3WA & -O5W & -H3WB & 104.4 \\ C5G & -C6G & -H64B & 109.6 & H4WA & -04W & -H4WB & 104.7 \\ 0.6G & -C6G & -H64B & 109.6 & H5WA & -06W & -H5WB & 109.5 \\ C5G & -C6G & -H64B & 109.6 & H6WA & -09W & -H6WB & 104.4 \\ H64A & -C6G & -H64B & 109.6 & H6WA & -09W & -H6WB & 104.4 \\ H64A & -C6G & -H64B & 108.1 & H7WA & -07W & -H7WB & 104.5 \\ 0.20 & -C20 & -C10 & 109.6 (2) & C6K1 & -06K1 & -H1D & 109.5 \\ C30 & -C20 & -C10 & 109.6 (2) & C6K1 & -C6K1 & -H6A & 109.5 \\ C30 & -C20 & -C10 & 110.4 (2) & 0.6K1 & -C6K1 & -H6A & 109.5 \\ C30 & -C20 & -H127 & 108.0 & 0.6K1 & -C6K1 & -H6A & 109.5 \\ C30 & -C20 & -H127 & 108.0 & 0.6K1 & -C6K1 & -H6A & 109.5 \\ C10 & -C20 & -H127 & 108.0 & 0.6K1 & -C6K1 & -H6B & 109.5 \\ O5C & -C1C & -04B & 109.4 (2) & C5K & -C6K1 & -H6B & 109.5 \\ O5C & -C1C & -C2C & 110.3 (2) & H6A & -C6K1 & -H6B & 108.1 \\ O4B & -C1C & -C2C & 108.5 (2) & H0AA & -010W & -H0AB & 104.4 \\ O5C & -C1C & -H8 & 109.5 & C6J & -06H2 & -H1E & 109.5 \\ C2C & -C1C & -H8 & 109.5 & C6K2 & -C6K2 & -H1E & 109.5 \\ C2C & -C1C & -H8 & 109.5 & 0.6K2 & -C6K2 & -H6A & 108.9 \\ \end{array}$	C5M—C4M—H115	109.0	C6E2—O6E2—H3B	109.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	O4G—C4G—C3G	106.7 (2)	O6E2—C6E2—C5E	107.0 (10)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	O4G—C4G—C5G	109.1 (2)	O6E2—C6E2—H58C	110.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C3G—C4G—C5G	110.1 (2)	C5E—C6E2—H58C	110.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	O4G—C4G—H39	110.3	O6E2—C6E2—H58D	110.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C3G—C4G—H39	110.3	C5E—C6E2—H58D	110.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C5G—C4G—H39	110.3	H58C—C6E2—H58D	108.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	O6G—C6G—C5G	110.3 (3)	H2WA—O3W—H2WB	104.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	O6G—C6G—H64A	109.6	H3WA—O5W—H3WB	104.4
$\begin{array}{llllllllllllllllllllllllllllllllllll$	C5G—C6G—H64A	109.6	H4WA—O4W—H4WB	104.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	O6G—C6G—H64B	109.6	H5WA—O6W—H5WB	109.5
H64A-C6G-H64B108.1H7WA-O7W-H7WB104.5020-C20-C30112.8 (3)H8WA-08W-H8WB132.5020-C20-C10109.6 (2)C6K1-O6K1-H1D109.5C30-C20-C10110.4 (2)06K1-C6K1-C5K110.9 (16)020-C20-H127108.006K1-C6K1-H6A109.5C30-C20-H127108.006K1-C6K1-H6A109.5C30-C20-H127108.006K1-C6K1-H6B109.5C30-C20-H127108.006K1-C6K1-H6B109.5C10-C20-H127108.006K1-C6K1-H6B109.5O5C-C1C-O4B109.4 (2)C5K-C6K1-H6B109.5O5C-C1C-C2C110.3 (2)H6A-C6K1-H6B108.1O4B-C1C-C2C108.5 (2)H0AA-O10W-H0AB104.4O5C-C1C-H8109.5C6K2-O6K2-H1E109.5O4B-C1C-H8109.506K2-C6K2-C5K113.2 (19)O3D-C3D-C4D110.3 (2)06K2-C6K2-H6AA108.9	C5G—C6G—H64B	109.6	H6WA—O9W—H6WB	104.4
O2O-C2O-C3O112.8 (3)H8WA-O8W-H8WB132.5O2O-C2O-C1O109.6 (2)C6K1-O6K1-H1D109.5C3O-C2O-C1O110.4 (2)O6K1-C6K1-C5K110.9 (16)O2O-C2O-H127108.0O6K1-C6K1-H6A109.5C3O-C2O-H127108.0C5K-C6K1-H6A109.5C1O-C2O-H127108.0O6K1-C6K1-H6B109.5O5C-C1C-O4B109.4 (2)C5K-C6K1-H6B109.5O5C-C1C-C2C110.3 (2)H6A-C6K1-H6B108.1O4B-C1C-C2C108.5 (2)H0AA-O10W-H0AB104.4O5C-C1C-H8109.5C6K2-O6K2-H1E109.5O4B-C1C-H8109.5C6K2-C6K2-C5K113.2 (19)O3D-C3D-C4D110.3 (2)O6K2-C6K2-H6AA108.9	H64A—C6G—H64B	108.1	H7WA—O7W—H7WB	104.5
O2OC2OC1O109.6 (2)C6K1O6K1H1D109.5C3OC2OC1O110.4 (2)O6K1C6K1C5K110.9 (16)O2OC2OH127108.0O6K1C6K1H6A109.5C3OC2OH127108.0C5KC6K1H6B109.5C1OC2OH127108.0O6K1C6K1H6B109.5O5CC1CO4B109.4 (2)C5KC6K1H6B109.5O5CC1CC2C110.3 (2)H6AC6K1H6B108.1O4BC1CC2C108.5 (2)H0AAO10WH0AB104.4O5CC1CH8109.5C6JO6J1H96A109.5O4BC1CH8109.5C6K2C6K2H1E109.5C2CC1CH8109.5O6K2C6K2C5K113.2 (19)O3DC3DC4D110.3 (2)O6K2C6K2H6AA108.9	O2O—C2O—C3O	112.8 (3)	H8WA—O8W—H8WB	132.5
C3O—C2O—C1O110.4 (2)O6K1—C6K1—C5K110.9 (16)O2O—C2O—H127108.0O6K1—C6K1—H6A109.5C3O—C2O—H127108.0C5K—C6K1—H6A109.5C1O—C2O—H127108.0O6K1—C6K1—H6B109.5O5C—C1C—O4B109.4 (2)C5K—C6K1—H6B109.5O5C—C1C—C2C110.3 (2)H6A—C6K1—H6B108.1O4B—C1C—C2C108.5 (2)H0AA—O10W—H0AB104.4O5C—C1C—H8109.5C6J—O6J1—H96A109.5O4B—C1C—H8109.5C6K2—C6K2—H1E109.5O3D—C3D—C4D110.3 (2)O6K2—C6K2—H6AA108.9	O2O—C2O—C1O	109.6 (2)	C6K1—O6K1—H1D	109.5
O2O-C2O-H127 108.0 O6K1-C6K1-H6A 109.5 C3O-C2O-H127 108.0 C5K-C6K1-H6A 109.5 C1O-C2O-H127 108.0 O6K1-C6K1-H6B 109.5 O5C-C1C-O4B 109.4 (2) C5K-C6K1-H6B 109.5 O5C-C1C-C2C 110.3 (2) H6A-C6K1-H6B 108.1 O4B-C1C-C2C 108.5 (2) H0AA-O10W-H0AB 104.4 O5C-C1C-H8 109.5 C6J-O6J1-H96A 109.5 O4B-C1C-H8 109.5 C6K2-O6K2-H1E 109.5 O4B-C1C-H8 109.5 C6K2-C6K2-C5K 113.2 (19) O3D-C3D-C4D 110.3 (2) O6K2-C6K2-H6AA 108.9	C30-C20-C10	110.4 (2)	O6K1—C6K1—C5K	110.9 (16)
C3O—C2O—H127108.0C5K—C6K1—H6A109.5C1O—C2O—H127108.0O6K1—C6K1—H6B109.5O5C—C1C—O4B109.4 (2)C5K—C6K1—H6B109.5O5C—C1C—C2C110.3 (2)H6A—C6K1—H6B108.1O4B—C1C—C2C108.5 (2)H0AA—O10W—H0AB104.4O5C—C1C—H8109.5C6J—O6J1—H96A109.5O4B—C1C—H8109.5C6K2—O6K2—H1E109.5C2C—C1C—H8109.5O6K2—C6K2—C5K113.2 (19)O3D—C3D—C4D110.3 (2)O6K2—C6K2—H6AA108.9	O2O—C2O—H127	108.0	O6K1—C6K1—H6A	109.5
C10—C20—H127108.0O6K1—C6K1—H6B109.5O5C—C1C—O4B109.4 (2)C5K—C6K1—H6B109.5O5C—C1C—C2C110.3 (2)H6A—C6K1—H6B108.1O4B—C1C—C2C108.5 (2)H0AA—O10W—H0AB104.4O5C—C1C—H8109.5C6J—O6J1—H96A109.5O4B—C1C—H8109.5C6K2—O6K2—H1E109.5C2C—C1C—H8109.5O6K2—C6K2—C5K113.2 (19)O3D—C3D—C4D110.3 (2)O6K2—C6K2—H6AA108.9	C3O-C2O-H127	108.0	С5К—С6К1—Н6А	109.5
O5C—C1C—O4B109.4 (2)C5K—C6K1—H6B109.5O5C—C1C—C2C110.3 (2)H6A—C6K1—H6B108.1O4B—C1C—C2C108.5 (2)H0AA—O10W—H0AB104.4O5C—C1C—H8109.5C6J—O6J1—H96A109.5O4B—C1C—H8109.5C6K2—O6K2—H1E109.5C2C—C1C—H8109.5O6K2—C6K2—C5K113.2 (19)O3D—C3D—C4D110.3 (2)O6K2—C6K2—H6AA108.9	C10—C20—H127	108.0	O6K1—C6K1—H6B	109.5
O5C—C1C—C2C110.3 (2)H6A—C6K1—H6B108.1O4B—C1C—C2C108.5 (2)H0AA—O10W—H0AB104.4O5C—C1C—H8109.5C6J—O6J1—H96A109.5O4B—C1C—H8109.5C6K2—O6K2—H1E109.5C2C—C1C—H8109.5O6K2—C6K2—C5K113.2 (19)O3D—C3D—C4D110.3 (2)O6K2—C6K2—H6AA108.9	O5C—C1C—O4B	109.4 (2)	С5К—С6К1—Н6В	109.5
O4B—C1C—C2C108.5 (2)H0AA—O10W—H0AB104.4O5C—C1C—H8109.5C6J—O6J1—H96A109.5O4B—C1C—H8109.5C6K2—O6K2—H1E109.5C2C—C1C—H8109.5O6K2—C6K2—C5K113.2 (19)O3D—C3D—C4D110.3 (2)O6K2—C6K2—H6AA108.9	O5C—C1C—C2C	110.3 (2)	H6A—C6K1—H6B	108.1
O5C—C1C—H8109.5C6J—O6J1—H96A109.5O4B—C1C—H8109.5C6K2—O6K2—H1E109.5C2C—C1C—H8109.5O6K2—C6K2—C5K113.2 (19)O3D—C3D—C4D110.3 (2)O6K2—C6K2—H6AA108.9	O4B—C1C—C2C	108.5 (2)	H0AA—O10W—H0AB	104.4
O4B—C1C—H8109.5C6K2—O6K2—H1E109.5C2C—C1C—H8109.5O6K2—C6K2—C5K113.2 (19)O3D—C3D—C4D110.3 (2)O6K2—C6K2—H6AA108.9	О5С—С1С—Н8	109.5	C6J—O6J1—H96A	109.5
C2C—C1C—H8 109.5 O6K2—C6K2—C5K 113.2 (19) O3D—C3D—C4D 110.3 (2) O6K2—C6K2—H6AA 108.9	O4B—C1C—H8	109.5	C6K2—O6K2—H1E	109.5
O3D—C3D—C4D 110.3 (2) O6K2—C6K2—H6AA 108.9	С2С—С1С—Н8	109.5	O6K2—C6K2—C5K	113.2 (19)
	O3D—C3D—C4D	110.3 (2)	O6K2—C6K2—H6AA	108.9
O3D—C3D—C2D 108.7 (2) C5K—C6K2—H6AA 108.9	O3D—C3D—C2D	108.7 (2)	С5К—С6К2—Н6АА	108.9
C4D—C3D—C2D 108.9 (2) O6K2—C6K2—H6AB 108.9	C4D—C3D—C2D	108.9 (2)	O6K2—C6K2—H6AB	108.9
O3D—C3D—H3 109.7 C5K—C6K2—H6AB 108.9	O3D—C3D—H3	109.7	С5К—С6К2—Н6АВ	108.9
C4D—C3D—H3 109.7 H6AA—C6K2—H6AB 107.7	C4D—C3D—H3	109.7	Н6АА—С6К2—Н6АВ	107.7
			-	
C4L—O4L—C1K—O5K 106.5 (3) C5J—C4J—C3J—O3J -178.8 (4)	C4L—O4L—C1K—O5K	106.5 (3)	C5J—C4J—C3J—O3J	-178.8 (4)
C4L—O4L—C1K—C2K –132.8 (2) O4J—C4J—C3J—C2J 178.3 (3)	C4L—O4L—C1K—C2K	-132.8 (2)	O4J—C4J—C3J—C2J	178.3 (3)

C5K—O5K—C1K—O4L	58.3 (3)	C5J—C4J—C3J—C2J	58.3 (5)
C5K—O5K—C1K—C2K	-62.0 (3)	C1B—O4A—C4A—C5A	-136.4 (3)
C1C—O4B—C4B—C5B	-108.3 (3)	C1B—O4A—C4A—C3A	103.8 (3)
C1C—O4B—C4B—C3B	131.4 (2)	O3A—C3A—C4A—O4A	-67.0 (3)
C5L—O5L—C1L—O4M	64.4 (3)	C2A—C3A—C4A—O4A	173.2 (3)
C5L—O5L—C1L—C2L	-57.0 (3)	O3A—C3A—C4A—C5A	172.7 (3)
C4M—O4M—C1L—O5L	106.0 (3)	C2A—C3A—C4A—C5A	52.9 (4)
C4M—O4M—C1L—C2L	-131.2 (2)	O3N—C3N—C2N—O2N	62.0 (4)
02L—C2L—C1L—O5L	178.5 (2)	C4N—C3N—C2N—O2N	-175.3(3)
C3L-C2L-C1L-O5L	52.6 (3)	O3N - C3N - C2N - C1N	-176.7(3)
02L-C2L-C1L-04M	55.4 (3)	C4N—C3N—C2N—C1N	-53.9(3)
C3L—C2L—C1L—O4M	-70.5(3)	040—C1N—C2N—O2N	59.1 (3)
C4A—O4A—C1B—O5B	107.7 (3)	05N— $C1N$ — $C2N$ — $02N$	-178.6(3)
C4A - O4A - C1B - C2B	-131.4(2)	040— $C1N$ — $C2N$ — $C3N$	-63.7(3)
C5B-O5B-C1B-O4A	59.8 (3)	0.5N - C1N - C2N - C3N	58 6 (3)
C5B-O5B-C1B-C2B	-610(3)	Li2 = 02I = C2I = C1I	-782(5)
C1I = 05I = C5I = C6I	179 8 (3)	$L_{12}^{$	47.2(5)
C11 - 051 - 051 - 001	56.9(3)	03I - C3I - C2I - 02I	58 3 (3)
C5H - 05H - C1H - 04G	61.7(3)	C_{41} C_{31} C_{21} C_{21} C_{21}	179.6(3)
C5HC1HC2H	-587(3)	03I - C3I - C2I - C1I	-177.9(3)
C4G = O4G = C1H = O5H	108.7(3)	$C_{4} = C_{3} = C_{2} = C_{1}$	-566(3)
C4G = O4G = C1H = C2H	-1296(3)	C1G - O4F - C4F - C3F	1394(3)
04L— $C1K$ — $C2K$ — $02K$	58.0 (3)	C1G - O4F - C4F - C5F	-100.9(3)
0.5K $-C1K$ $-C2K$ $-0.2K$	179 9 (2)	Li1 = 02I = C2I = C3I	-101.9(3)
04I - C1K - C2K - C3K	-66.6(3)	Li1 = 02I = 02I = 03I	1349(3)
0.12 0.11 0.211 0.211 0.011	55 3 (3)	03I - C3I - C2I - 02I	613(3)
C1I - O4K - C4K - C3K	1314(3)	C4I = C3I = C2I = 02I	-1799(2)
C1I - O4K - C4K - C5K	-107.8(3)	03I - C3I - C2I - C1I	-1748(3)
C1K - O4L - C4L - C3L	109.2 (3)	C4I - C3I - C2I - C1I	-560(3)
C1K - O4L - C4L - C5L	-130.7(3)	05I - C1I - C2I - 02I	-179.5(3)
C1D - O4C - C4C - C5C	-105.4(3)	04J—C1I—C2I—02I	58.3 (3)
C1D - O4C - C4C - C3C	133.2 (2)	0.5I - C1I - C2I - C3I	56.0 (3)
C5I—O5I—C1I—O4J	63.7 (3)	04J— $C1I$ — $C2I$ — $C3I$	-66.2(3)
C5I—O5I—C1I—C2I	-57.5 (3)	C1H—O5H—C5H—C6H	-179.1(3)
C4J—O4J—C1I—O5I	117.1 (3)	C1H—O5H—C5H—C4H	58.1 (4)
C4J—O4J—C1I—C2I	-120.6 (3)	O4H—C4H—C5H—O5H	-177.4(2)
C1L—O5L—C5L—C6L	-179.0(3)	С3Н—С4Н—С5Н—О5Н	-57.7 (3)
C1L—O5L—C5L—C4L	58.2 (3)	O4H—C4H—C5H—C6H	63.1 (4)
04L—C4L—C5L—O5L	-173.3 (2)	C3H—C4H—C5H—C6H	-177.2(3)
C3L—C4L—C5L—O5L	-55.2 (3)	C1G—O5G—C5G—C6G	-176.8(2)
O4L—C4L—C5L—C6L	69.1 (3)	C1G—O5G—C5G—C4G	60.2 (3)
C3L—C4L—C5L—C6L	-172.8 (3)	O6G—C6G—C5G—O5G	-61.0 (3)
O4L—C4L—C3L—O3L	-68.1 (3)	O6G—C6G—C5G—C4G	59.6 (4)
C5L—C4L—C3L—O3L	173.3 (2)	O4G—C4G—C5G—O5G	-173.9(2)
O4L—C4L—C3L—C2L	172.1 (2)	C3G—C4G—C5G—O5G	-57.1 (3)
C5L—C4L—C3L—C2L	53.5 (3)	O4G—C4G—C5G—C6G	67.5 (3)
O2L—C2L—C3L—O3L	61.8 (3)	C3G—C4G—C5G—C6G	-175.7 (3)
C1L—C2L—C3L—O3L	-172.9 (2)	O5B—C5B—C6B—O6B	72.3 (4)

O2L—C2L—C3L—C4L	-177.2 (3)	C4B—C5B—C6B—O6B	-167.9 (3)
C1L—C2L—C3L—C4L	-52.0 (3)	C4K—O4K—C1J—O5J	113.7 (3)
C5D—O5D—C1D—O4C	66.1 (3)	C4K—O4K—C1J—C2J	-126.2 (3)
C5D	-54.7 (3)	C5J—O5J—C1J—O4K	62.6 (5)
C4C—O4C—C1D—O5D	113.9 (3)	C5J—O5J—C1J—C2J	-57.8 (5)
C4C—O4C—C1D—C2D	-123.7 (3)	O2J—C2J—C1J—O4K	59.8 (4)
C1B	-177.1 (3)	C3J—C2J—C1J—O4K	-65.9 (3)
C1B—O5B—C5B—C4B	61.3 (3)	O2J—C2J—C1J—O5J	-179.2 (3)
O4B—C4B—C5B—O5B	-169.8 (2)	C3J—C2J—C1J—O5J	55.2 (4)
C3B—C4B—C5B—O5B	-54.0 (3)	C1D	-179.3 (3)
O4B—C4B—C5B—C6B	72.0 (3)	C1D	59.2 (3)
C3B—C4B—C5B—C6B	-172.1 (3)	O4D—C4D—C5D—O5D	-177.8(2)
C1N-040-C40-C30	128.6 (3)	C3D—C4D—C5D—O5D	-59.2 (3)
C1N-040-C40-C50	-110.7 (3)	O4D—C4D—C5D—C6D	65.3 (4)
030	-66.9 (3)	C3D—C4D—C5D—C6D	-176.2(3)
C2O—C3O—C4O—O4O	174.0 (2)	O5L—C5L—C6L—O6L	-57.6 (3)
030-C30-C40-C50	173.1 (2)	C4L—C5L—C6L—O6L	62.7 (3)
C2O-C3O-C4O-C5O	53.9 (3)	C4E—O4E—C1F—O5F	106.0 (4)
O4B-C4B-C3B-O3B	-69.4(3)	C4E—O4E—C1F—C2F	-131.7(3)
C5B-C4B-C3B-O3B	172.9 (2)	C5F	60.7 (4)
O4B-C4B-C3B-C2B	167.2(2)	C5F-O5F-C1F-C2F	-59.9(4)
C5B-C4B-C3B-C2B	49.5 (3)	C1K - 05K - C5K - C6K1	-170.9(8)
Li2 - O3K - C3K - C2K	-162.5(3)	C1K—O5K—C5K—C4K	62.3 (3)
Li2 - O3K - C3K - C4K	75.9 (4)	C1K - 05K - C5K - C6K2	176.2 (9)
$O^2K - C^2K - C^3K - O^3K$	644(3)	O4K - C4K - C5K - O5K	-173.6(3)
C1K - C2K - C3K - O3K	-172.7(2)	$C_{3}K - C_{4}K - C_{5}K - O_{5}K$	-554(4)
$O^{2}K - C^{2}K - C^{3}K - C^{4}K$	-1740(2)	O4K - C4K - C5K - C6K1	62.6(12)
C1K - C2K - C3K - C4K	-510(3)	C_{3K} C_{4K} C_{5K} C_{6K1}	-1792(12)
O4K - C4K - C3K - O3K	-67.9(3)	O4K - C4K - C5K - C6K2	78 4 (13)
C5K - C4K - C3K - O3K	171.8(3)	C_{3K} C_{4K} C_{5K} C_{6K2}	-1634(13)
O4K - C4K - C3K - C2K	171.6(2)	05C - C5C - C6C - 06C	-657(3)
C5K - C4K - C3K - C2K	513(4)	$C_{4}C_{}C_{5}C_{}C_{6}C_{-$	53.7(4)
C1P - O4I - C4I - C3I	1313(3)	02H - C2H - C3H - 03H	55 3 (3)
C1P - O4I - C4I - C5I	-1089(3)	C1H - C2H - C3H - O3H	179.8(2)
05I - 05I - 04I - 04I	$-172 \ 8 \ (2)$	O2H— $C2H$ — $C3H$ — $C4H$	175.0(2) 176.5(3)
C6I = C5I = C4I = O4I	68 5 (3)	C1H - C2H - C3H - C4H	-590(3)
05I - C5I - C4I - C3I	-553(3)	O4H - C4H - C3H - O3H	-58.8(3)
C6I = C5I = C4I = C3I	-1740(3)	C5H - C4H - C3H - O3H	179.8(2)
C1A - O4H - C4H - C5H	-1180(3)	O4H - C4H - C3H - O3H	-179.0(2)
C1A - O4H - C4H - C3H	110.0(3) 1213(3)	$C_{2H} = C_{4H} = C_{2H} = C_{2H}$	59.6 (3)
C_{10} O_{50} C_{50} C_{60}	-1702(3)	050 $C50$ $C60$ 060	-57.4(3)
$C_{10} = 0.50 = 0.50 = 0.00$	179.2 (3) 57 5 (3)	C_{40} C_{50} C_{60} O_{60}	57.4(3)
$C_{10} = 0.00 = 0.00 = 0.000 = 0.000 = 0.000 = 0.00000 = 0.00000 = 0.00000 = 0.00000 = 0.00000 = 0.00000 = 0.00000 = 0.00000 = 0.000000 = 0.00000 = 0.00000 = 0.00000 = 0.00000 = 0.00000000$	-1721(2)	$C_{10} = C_{10} = C$	60.0(4)
C_{30}	-547(3)	$C_{5}M = O_{5}M = C_{1}M = O_{4}M$	-52.0(4)
040 040 050 050	5+.7(3)	$C_{1VI} = O_{1VI} = O_{1VI} = O_{2VI}$	52.2(4)
$C_{10} = C_{10} = C$	-1724(3)	$C4N \qquad O4N \qquad C1M \qquad C2M$	-117.7(3)
$C_{10} = C_{40} = C_{50} = C_{50}$	1/2.4(3) -1280(2)	$C_{111} = C_{111} = C_{111} = C_{2111}$	117.2(3)
C10 - 04P - C4P - C3P	-120.9(3)	$C_{1M} = C_{1M} = C_{1M} = C_{1M} = C_{2M}$	1//.9 (3) 51 7 (2)
C10-04P-C3P	110.7 (3)	USM-UZM-UTM-USM	31.7 (3)

C1C—O5C—C5C—C6C	-175.8 (2)	O2M—C2M—C1M—O4N	55.6 (3)
C1C—O5C—C5C—C4C	61.2 (3)	C3M—C2M—C1M—O4N	-70.6 (3)
O4C—C4C—C5C—O5C	-177.6 (2)	O3A—C3A—C2A—O2A	68.4 (3)
C3C—C4C—C5C—O5C	-57.7 (3)	C4A—C3A—C2A—O2A	-170.1(3)
O4C—C4C—C5C—C6C	64.3 (3)	O3A—C3A—C2A—C1A	-168.0(2)
C3C—C4C—C5C—C6C	-175.8(3)	C4A—C3A—C2A—C1A	-46.4 (4)
O5D—C1D—C2D—O2D	176.0 (2)	С5А—О5А—С1А—О4Н	63.9 (3)
O4C—C1D—C2D—O2D	53.2 (3)	C5A—O5A—C1A—C2A	-58.6 (4)
O5D—C1D—C2D—C3D	50.7 (3)	C4H—O4H—C1A—O5A	116.7 (3)
04C—C1D—C2D—C3D	-72.0(3)	C4H—O4H—C1A—C2A	-120.1(3)
C5P	60.8 (3)	O2A— $C2A$ — $C1A$ — $O5A$	170.1 (3)
C5P - O5P - C1P - C2P	-59.5 (4)	C_{3A} C_{2A} C_{1A} C_{5A}	47.8 (4)
C4I - O4I - C1P - O5P	110 9 (3)	O2A - C2A - C1A - O4H	47.5 (3)
C4I - O4I - C1P - C2P	-1270(2)	C_{3A} C_{2A} C_{1A} C_{4H}	-74.8(3)
05P-C1P-C2P-02P	1757(2)	05M - C5M - C6M - 06M	-58.8(4)
O4I - C1P - C2P - O2P	540(3)	C4M - C5M - C6M - O6M	59.8 (4)
0.5P - C1P - C2P - C3P	57.0(3)	$C_{5G} = 0.5G = C_{1G} = 0.4F$	59.3 (3)
O4I - C1P - C2P - C3P	-69.7(3)	$C_{5G} = 0.5G = C_{1G} = C_{2G}$	-60.7(3)
C1M - C4N - C4N - C5N	-98.6(3)	C4F - 04F - C1G - 05G	122.8(3)
C1M = O4N = C4N = C3N	139.2(3)	C4E - O4E - C1G - C2G	-1154(3)
04C - C4C - C3C - 03C	-622(3)	056-016-026	179.4(3)
$C_{5}C_{-}C_{4}C_{-}C_{3$	1765(2)	04F - C1G - C2G - 02G	592(4)
04C - C4C - C3C - C2C	170.3(2) 177.2(2)	05G-C1G-C2G-C3G	57.2(4)
$C_{1}^{-1} = C_{1}^{-1} = C_{$	55.9(3)	04E-C1G-C2G-C3G	-63.6(3)
03C - C3C - C2C - 02C	64 6 (3)	036 - C36 - C26 - 036	58.7(4)
$C_{4}C_{-}C_{3}C_{-}C_{2}C_{-}O_{2$	-1773(2)	$C_{4}C_{-}C_{3}C_{-}C_{2}C_{-}O_{2$	-1760(3)
03C - C3C - C2C - C1C	-1724(2)	036-036-026-026	-179.7(3)
$C_{4}C_{-}C_{3}C_{-}C_{2}C_{-}C_{1$	-543(3)	$C_{4}C_{-}C_{3}C_{-}C_{2}C_{-}C_{1}C_{-}C_{1}C_{-}C_{1}C_{-}C_{1}C_{-}C_{1}C_{-}C_{1}C_{-}C_{-}C_{1}C_{-}C_{-}C_{-}C_{-}C_{-}C_{-}C_{-}C_{-$	-544(3)
O^2P C^2P C^3P O^3P	64.1(3)	C1E - O5E - C5E - C6E	-1699(3)
C1P - C2P - C3P - O3P	-1720(2)	C1E - O5E - C5E - C4E	643(3)
O2P C2P C3P C4P	-1741(3)	O6E C6E C5E O5E	-692(3)
C1P - C2P - C3P - C4P	-50.2(3)	O6E C6E C5E C4E	51.5(4)
O4P - C4P - C3P - O3P	-64.6(3)	O4E C4E C5E O5E	-1785(3)
C_{2}^{2}	175.2(3)	$C_{3E} C_{4E} C_{5E} O_{5E}$	-612(4)
O4P - C4P - C3P - C2P	173.2(5) 174.9(2)	O4E C4E C5E C6E	59 2 (4)
C_{2}^{2}	54.7(3)	C_{3F} C_{4F} C_{5F} C_{6F}	176.6(3)
C1F - O4D - C4D - C3D	$120 \ 8 \ (3)$	C1N = 05N = C5N = C6N	-1789(3)
C1E = 04D = C4D = C5D	-1198(3)	C1N = 05N = C5N = C4N	60.6(3)
Li1 = 03A = C3A = C2A	56.9 (3)	04N - C4N - C5N - 05N	-1742(2)
Li1 - O3A - C3A - C4A	-65.8(3)	C_{3N} C_{4N} C_{5N} C_{5N}	-545(4)
05H $C1H$ $C2H$ $02H$	-1767(2)	O4N - C4N - C5N - C6N	69 3 (4)
04G-C1H-C2H-O2H	60.8(3)	C_{3N} C_{4N} C_{5N} C_{6N}	-1710(4)
0.5H $-C1H$ $-C2H$ $-C3H$	58 5 (3)	C1A = 05A = C5A = C4A	644(4)
046-01H-02H-03H	-640(3)	C1A - O5A - C5A - C6A1	-164 7 (6)
C1P - O5P - C5P - C6P	-1753(3)	$C1A - O5A - C5A - C6A^2$	176.6 (6)
C1P - O5P - C5P - C4P	63.1 (4)	04A - C4A - C5A - 05A	-1770(2)
O4P - C4P - C5P - O5P	-178.7(2)	C3A - C4A - C5A - 05A	-592(4)
C3P - C4P - C5P - O5P	-59.6 (3)	04A - C4A - C5A - C6A1	55.2 (6)

O4P—C4P—C5P—C6P	63.3 (4)	C3A—C4A—C5A—C6A1	173.1 (6)
C3P—C4P—C5P—C6P	-177.6 (3)	O4A—C4A—C5A—C6A2	75.4 (7)
C1LO4MC4MC3M	127.9 (3)	C3A—C4A—C5A—C6A2	-166.8 (7)
C1L—O4M—C4M—C5M	-111.2 (3)	O5P—C5P—C6P—O6P	-61.7 (4)
O3M—C3M—C4M—O4M	-60.9 (3)	C4P—C5P—C6P—O6P	56.7 (4)
C2M—C3M—C4M—O4M	179.4 (2)	C4D—O4D—C1E—O5E	108.4 (3)
O3M—C3M—C4M—C5M	177.2 (3)	C4D—O4D—C1E—C2E	-128.6(3)
C2M—C3M—C4M—C5M	57.5 (3)	C5E—O5E—C1E—O4D	61.3 (4)
C1H—O4G—C4G—C3G	123.3 (3)	C5E—O5E—C1E—C2E	-60.6 (5)
C1H—O4G—C4G—C5G	-117.8 (3)	O4F—C4F—C3F—O3F	-63.2 (4)
O3G—C3G—C4G—O4G	-61.2 (3)	C5F—C4F—C3F—O3F	176.8 (3)
C2G—C3G—C4G—O4G	173.6 (2)	O4F—C4F—C3F—C2F	175.6 (3)
O3G—C3G—C4G—C5G	-179.5 (2)	C5F—C4F—C3F—C2F	55.6 (4)
C2G—C3G—C4G—C5G	55.3 (3)	C1F—O4E—C4E—C3E	104.8 (4)
030-C30-C20-020	63.5 (3)	C1F—O4E—C4E—C5E	-134.9(3)
C40—C30—C20—O20	-175.3 (2)	Li2 ⁱⁱ —O3E—C3E—C4E	-63.3 (5)
030-C30-C20-C10	-173.5 (2)	Li2 ⁱⁱ —O3E—C3E—C2E	59.6 (5)
C40—C30—C20—C10	-52.3 (3)	04E—C4E—C3E—O3E	-67.6(4)
C5C	58.4 (3)	C5E—C4E—C3E—O3E	174.5 (4)
C5C-05C-C1C-C2C	-60.9(3)	O4E - C4E - C3E - C2E	171.4 (3)
C4B-O4B-C1C-O5C	127.3(2)	C5E-C4E-C3E-C2E	53.5 (5)
C4B - O4B - C1C - C2C	-112.3(3)	O3E-C3E-C2E-O2E	68.0 (4)
02C-C2C-C1C-05C	-178.1(2)	C4E-C3E-C2E-O2E	-169.6(3)
$C_{3}C_{-}C_{2}C_{-}C_{1}C_{-}O_{5}C_{-}C_{-}C_{1}C_{-}O_{5}C_{-}C_{-}C_{-}O_{5}C_{-}C_{-}C_{-}O_{5}C_{-}C_{-}C_{-}O_{5}C_{-}C_{-}O_{5}C_{-}C_{-}O_{5}C_{-}C_{-}O_{5}C_{-}C_{-}O_{5}C_{-$	57.0(3)	O3E - C3E - C2E - C1E	-172.0(3)
02C-C2C-C1C-04B	62 1 (3)	C4F - C3F - C2F - C1F	-495(5)
$C_{3}C_{-}C_{2}C_{-}C_{1}C_{-}O_{4}B$	-62.9(3)	04D-C1E-C2E-O2E	53 3 (4)
04D-C4D-C3D-03D	-62.8(3)	05E-C1E-C2E-O2E	1757(3)
C_{5D} C_{4D} C_{3D} C_{3D}	1773(2)	04D-C1E-C2E-C3E	-699(4)
O4D - C4D - C3D - C2D	177.0(2)	$O_{2} = O_{2} = O_{2$	52.4(5)
$C_{2}^{2}D - C_{4}^{2}D - C_{2}^{2}D - C_{2}^{2}D$	58 2 (3)	05H_C5H_C6H_06H2	-82.3(5)
O^2D C^2D C^3D O^3D	50.2(3)	C4H C5H C6H O6H2	38.0 (6)
$C_{1D} = C_{2D} = C_{3D} = O_{3D}^{3D}$	-173.0(2)	05H C5H C6H 06H1	-526(6)
C1D = C2D = C3D = C3D	-170.5(2)	C4H C5H C6H O6H1	52.0(0)
$C_{1D} = C_{2D} = C_{3D} = C_{4D}$	-527(2)	$C_{11} = C_{11} = C_{011} = C_{011} = C_{011}$	174.0(7)
C1D - C2D - C3D - C4D	-55.7(5) -64.2(3)	C1E = O5E = C5E = C4E	1/4.0(7)
C_{1}	-04.2(3)	C1E = O5E = C5E = C6E1	-162.6(7)
C_{31} C_{41} C_{31} C_{31} C_{31}	170.4(3)	CIE - OSE - CSE - COEI	-103.0(7) -174.7(2)
C_{41}	1/3.0(2)	O4E - C4E - C5E - O5E	-1/4.7(3)
C_{31} C_{41} C_{31} C_{21} C_{31} C	50.2(3)	C_{3E} C_{4E} C_{5E} C_{5E}	-37.5(4)
$C_{4M} = C_{3M} = C_{2M} = O_{2M}$	01.4(3)	$C_{4E} = C_{4E} = C_{5E} = C_{6E2}$	10.3(7)
C4M - C3M - C2M - O2M	1/9.1 (2)	C_{3E} C_{4E} C_{5E} C_{6E2}	-100.1(7)
03M - C3M - C2M - C1M	-1/3.0(2)	04E - C4E - C5E - C6E1	54.8 (8)
C4M - C3M - C2M - C1M	-55.3 (3)	C3E - C4E - C5E - C6E1	1/2.2 (8)
C40 - 040 - C1N - 05N	10/.5(3)	O3F - O2F - O2F	00.4 (4)
C40 - 040 - C1N - C2N	-131.6 (3)	C4F - C3F - C2F - O2F	-172.2 (3)
C5N - O5N - C1N - O4O	57.0 (3)	O3F—C3F—C2F—C1F	-171.0(3)
C5N—O5N—C1N—C2N	-62.9 (3)	C4F—C3F—C2F—C1F	-49.6 (4)
C1M—O5M—C5M—C6M	174.1 (3)	O4E—C1F—C2F—O2F	53.7 (4)
C1M—O5M—C5M—C4M	55.2 (4)	O5F—C1F—C2F—O2F	175.2 (3)

O4M—C4M—C5M—O5M	-177.8 (2)	O4E—C1F—C2F—C3F	-70.6 (4)
C3M—C4M—C5M—O5M	-57.1 (3)	O5F—C1F—C2F—C3F	50.9 (4)
O4M—C4M—C5M—C6M	68.8 (3)	O5D-C5D-C6D-O6D	-62.1 (4)
C3M—C4M—C5M—C6M	-170.5 (3)	C4D-C5D-C6D-06D	56.6 (4)
O5I—C5I—C6I—O6I	-57.5 (3)	C1J—O5J—C5J—C6J	-161.6 (5)
C4I—C5I—C6I—O6I	63.4 (3)	C1J—O5J—C5J—C4J	60.6 (6)
O3B—C3B—C2B—O2B	64.2 (3)	O4J—C4J—C5J—O5J	-178.7 (4)
C4B—C3B—C2B—O2B	-172.7 (2)	C3J—C4J—C5J—O5J	-59.9 (6)
O3B—C3B—C2B—C1B	-172.1 (2)	O4J—C4J—C5J—C6J	44.6 (7)
C4B—C3B—C2B—C1B	-49.1 (3)	C3J—C4J—C5J—C6J	163.3 (6)
O4A—C1B—C2B—O2B	57.8 (3)	O5N—C5N—C6N—O6N	56.1 (6)
O5B-C1B-C2B-O2B	179.2 (2)	C4N—C5N—C6N—O6N	174.9 (5)
O4A—C1B—C2B—C3B	-67.0 (3)	O5A—C5A—C6A2—O6A2	-56.7 (11)
O5B-C1B-C2B-C3B	54.3 (3)	C4A—C5A—C6A2—O6A2	55.8 (12)
C5O—O5O—C1O—O4P	65.8 (3)	O5A—C5A—C6A1—O6A1	61.3 (10)
C50-050-C10-C20	-57.1 (3)	C4A—C5A—C6A1—O6A1	-173.0(7)
C4P—O4P—C1O—O5O	108.7 (3)	O5J—C5J—C6J—O6J2	-65.2 (7)
C4P-04P-C10-C20	-127.3 (2)	C4J—C5J—C6J—O6J2	68.1 (7)
020-C20-C10-050	178.2 (2)	O5J—C5J—C6J—O6J1	-10.6 (9)
C30-C20-C10-050	53.4 (3)	C4J—C5J—C6J—O6J1	122.6 (8)
O2O-C2O-C1O-O4P	54.1 (3)	O5E—C5E—C6E1—O6E1	-65.4 (14)
C3O-C2O-C1O-O4P	-70.8 (3)	C4E—C5E—C6E1—O6E1	63.0 (14)
O4N—C4N—C3N—O3N	-58.9 (3)	O5E—C5E—C6E2—O6E2	75.7 (10)
C5N—C4N—C3N—O3N	178.9 (3)	C4E—C5E—C6E2—O6E2	-171.4 (8)
O4N—C4N—C3N—C2N	175.1 (2)	O5K—C5K—C6K1—O6K1	70.5 (16)
C5N—C4N—C3N—C2N	52.9 (4)	C4K—C5K—C6K1—O6K1	-166.1 (14)
C1I—O4J—C4J—C3J	127.9 (3)	O5K—C5K—C6K2—O6K2	63.8 (19)
C1I—O4J—C4J—C5J	-112.4 (4)	C4K—C5K—C6K2—O6K2	177.9 (15)
O4J—C4J—C3J—O3J	-58.8 (3)		

Symmetry codes: (i) *x*, *y*+1, *z*+1; (ii) *x*, *y*-1, *z*-1.

Hydrogen-bond geometry (Å, °)

D—H···A	<i>D</i> —Н	H···A	$D \cdots A$	<i>D</i> —H··· <i>A</i>
O2 <i>K</i> —H171···O3 <i>B</i> ⁱⁱⁱ	0.82	1.89	2.688 (3)	165
O2 <i>P</i> —H154···O4 <i>I</i>	0.82	2.35	2.757 (3)	112
O2 <i>P</i> —H154···O3 <i>I</i>	0.82	2.07	2.799 (4)	148
O3 <i>B</i> —H79····O2 <i>C</i>	0.82	2.20	2.698 (3)	119
O3 <i>C</i> —H83···O3 <i>P</i> ⁱⁱ	0.82	1.99	2.774 (3)	161
O3L—H170···O2K	0.82	2.04	2.788 (3)	152
O3 <i>H</i> —H70···O2 <i>A</i>	0.82	2.07	2.533 (3)	116
O3 <i>O</i> —H157···O4 <i>O</i>	0.82	2.46	2.847 (3)	110
O3 <i>O</i> —H157···O2 <i>N</i>	0.82	2.11	2.915 (3)	168
O2 <i>O</i> —H158····O3 <i>B</i> ⁱ	0.82	1.64	2.450 (3)	167
$O3G$ —H67···O2 P^{iv}	0.82	2.00	2.714 (3)	146
O3 <i>D</i> —H88…O2 <i>E</i>	0.82	2.15	2.702 (4)	125
O2 <i>D</i> —H87····O4 <i>C</i>	0.82	2.36	2.781 (3)	113

O2 <i>D</i> —H87····O3 <i>C</i>	0.82	2.05	2.819 (3)	156
O3 <i>M</i> —H165····O3 <i>G</i> ⁱ	0.82	2.04	2.820 (3)	160
O6 <i>G</i> —H65····O6 <i>M</i> ^v	0.82	1.87	2.636 (4)	154
O3P—H153…O4P	0.82	2.47	2.868 (3)	111
O3 <i>P</i> —H153····O2 <i>O</i>	0.82	1.82	2.611 (3)	163
O2 <i>B</i> —H80····O3 <i>O</i> ⁱⁱ	0.82	1.98	2.772 (3)	161
O2 <i>L</i> —H169····O4 <i>M</i>	0.82	2.35	2.774 (3)	113
O2 <i>L</i> —H169····O3 <i>M</i>	0.82	2.15	2.888 (4)	149
O2 <i>C</i> —H84····O3 <i>W</i> ^{vi}	0.82	2.42	3.116 (4)	144
O1 <i>W</i> —H18 <i>B</i> ····O2 <i>G</i> ^{vii}	0.86	1.93	2.781 (4)	169
O2 <i>H</i> —H71····O3 <i>H</i>	0.82	2.38	2.813 (3)	113
O2 <i>H</i> —H71····O2 <i>M</i> ⁱⁱ	0.82	2.61	3.072 (3)	118
O6 <i>I</i> —H148…O6 <i>C</i> ^{viii}	0.82	1.95	2.735 (4)	161
O2 <i>I</i> —H149····O4 <i>J</i>	0.82	2.43	2.818 (3)	110
O2 <i>I</i> —H149····O3 <i>J</i>	0.82	1.92	2.689 (4)	156
O3 <i>J</i> —H176····O2 <i>E</i> ⁱ	0.82	1.78	2.570 (4)	161
O2 <i>A</i> —H73····O3 <i>J</i>	0.82	1.64	2.448 (3)	167
$O2N$ —H162···O2 A^{i}	0.82	1.96	2.768 (3)	170
O6L—H168…O7 <i>W</i> ^{ix}	0.82	1.98	2.771 (4)	161
O6C—H82····O5C	0.82	2.43	2.818 (3)	110
O6 <i>C</i> —H82…O17 <i>W</i> ^{√i}	0.82	2.18	2.838 (6)	137
O3 <i>I</i> —H150····O3 <i>D</i> ⁱ	0.82	2.03	2.817 (3)	160
$O6F$ —H61····O5 B^{iv}	0.82	1.93	2.674 (3)	151
O2 <i>G</i> —H66····O3 <i>F</i>	0.82	2.17	2.883 (5)	146
O11 <i>W</i> —H18 <i>C</i> ···O2 <i>C</i> ⁱⁱⁱ	0.87	1.96	2.753 (4)	151
O11 <i>W</i> —H18 <i>D</i> …O16 <i>W</i>	0.86	2.35	2.793 (9)	112
O2 <i>W</i> —H17 <i>A</i> ⋯O8 <i>W</i>	0.87	2.03	2.723 (4)	135
O2W—H17B…O10W	0.87	2.53	3.306 (9)	149
O2 <i>J</i> —H174····O3 <i>H</i>	0.86(1)	1.85(1)	2.677 (3)	160 (2)
O2 <i>M</i> —H166····O3 <i>N</i>	0.82	2.10	2.852 (4)	153
O6 <i>B</i> —H78····O9 <i>W</i> ^x	0.82	1.93	2.732 (4)	164
O3 <i>E</i> —H59····O2 <i>F</i>	0.82	2.04	2.705 (4)	137
O2 <i>E</i> —H57····O3 <i>J</i> ^{ti}	0.82	1.77	2.570 (4)	163
O6 <i>D</i> —H86…O5 <i>D</i>	0.82	2.38	2.789 (4)	112
O6 <i>D</i> —H86····O5 <i>W</i> ^v	0.82	2.15	2.767 (5)	132
O6 <i>P</i> —H152····O6 <i>B</i> ^{viii}	0.82	1.89	2.710 (4)	179
C1 <i>L</i> —H109····O6 <i>I</i> ⁱⁱⁱ	0.98	2.60	3.554 (4)	165
C1 <i>H</i> —H29····O3 <i>C</i> ⁱⁱⁱ	0.98	2.52	3.432 (4)	156
C4 <i>K</i> —H101···O3 <i>W</i>	0.98	2.61	3.409 (4)	138
$C3L$ —H107····O3 F^{i}	0.98	2.64	3.515 (4)	149
$C1D$ — $H1\cdots O6G^{vi}$	0.98	2.53	3,474 (4)	161
$C3K$ —H100····O2 F^{i}	0.98	2.59	3.419 (5)	142
C1 <i>P</i> —H133····O3 <i>M</i> ^{vi}	0.98	2.55	3.450 (4)	152
$C3A$ —H24····O2 N^{ii}	0.98	2.63	3.295 (4)	125
C4 <i>G</i> —H39····O2 <i>D</i> ⁱⁱⁱ	0.98	2.60	3.423 (4)	141
C1 <i>N</i> —H119····O6 <i>W</i> ¹	0.98	2.47	3.420 (4)	162
C6 <i>I</i> —H14 <i>B</i> ···O5 <i>P</i>	0.97	2.52	3.349 (4)	144
C2 <i>J</i> —H93···O3 <i>H</i>	0.98	2.62	3.144 (4)	114
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C2 <i>I</i> —H143···O2 <i>L</i> ^{vi}	0.98	2.29	3.239 (4)	162
C1 <i>J</i> —H94…O18 <i>W</i>	0.98	2.53	3.507 (6)	172
C6 <i>C</i> —H81 <i>B</i> ···O5 <i>D</i>	0.97	2.61	3.336 (4)	132
C6 <i>O</i> —H15 <i>B</i> ···O5 <i>N</i>	0.97	2.62	3.437 (4)	142
C6 <i>M</i> —H16 <i>D</i> ···O5 <i>L</i>	0.97	2.53	3.320 (4)	139
C2 <i>G</i> —H37···O2 <i>D</i> ⁱⁱⁱ	0.98	2.41	3.300 (4)	151
O6H1—H69A…O17W	0.82	2.49	3.229 (14)	150
O6 <i>H</i> 2—H69 <i>B</i> ⋯O6 <i>N</i> ^v	0.82	2.32	2.969 (9)	137
O6 <i>N</i> —H160····O14 <i>W</i> ¹	0.82	1.97	2.714 (10)	151
$C2F$ —H46···O2 K^{ii}	0.98	2.62	3.493 (4)	148
C6 <i>N</i> —H15 <i>E</i> ···O5 <i>M</i>	0.97	2.56	3.389 (6)	143
C6 <i>N</i> —H15 <i>F</i> ···O12 <i>W</i> ¹	0.97	2.59	3.544 (15)	169
$C6A2^{a-H74A}a\cdots O6N^{v}$	0.97	2.65	3.439 (16)	139
O6A2—H76B…O14W ^{xi}	1.19	2.11	3.276 (14)	166
O6A1—H76A···O6N ^v	0.82	1.94	2.755 (7)	170
C6 <i>J</i> —H95 <i>D</i> ···O5 <i>I</i>	0.97	2.53	3.424 (7)	154
$C6K1^{a-H64}a\cdots O5J$	0.97	2.47	3.36 (2)	153
$O6J1^{b-H96.4}b\cdots O5J$	0.82	2.29	2.706 (11)	112
C6 <i>K</i> 2 ^{b—H6<i>AA</i>} b····O5 <i>J</i>	0.97	2.61	3.47 (3)	147

Symmetry codes: (i) *x*, *y*+1, *z*+1; (ii) *x*, *y*-1, *z*-1; (iii) *x*, *y*+1, *z*; (iv) *x*, *y*, *z*-1; (v) *x*-1, *y*-1, *z*-1; (vi) *x*, *y*-1, *z*; (vii) *x*, *y*, *z*+1; (viii) *x*+1, *y*+1, *z*+1; (ix) *x*+1, *y*+1, *z*; (x) *x*-1, *y*-1, *z*; (xi) *x*-1, *y*-1