organic compounds

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4-[(3-Benzamidomethyl-6-phenyl-6,7dihydro-5*H*-1,2,4-triazolo[3,4-*b*][1,3,4]thiadiazin-7-yl)carbonyl]-3-phenyl-1,2,3oxadiazol-3-ium-5-olate 0.06-hydrate

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Key indicators: single-crystal X-ray study; T = 100 K; mean σ (C–C) = 0.005 Å; disorder in main residue; R factor = 0.046; wR factor = 0.141; data-to-parameter ratio = 11.8.

The asymmetric unit of the title compound, $C_{27}H_{21}N_7O_4S$. 0.06H₂O, contains four syndone molecules and a water molecule with a site occupancy of 0.25. In two of the syndone molecules, three atoms in a terminal phenyl ring are disordered over two sets of sites, with occupancy ratios of 0.500 (18):0.500 (18) and 0.512 (17):0.488 (17). The dihedral angles between terminal phenyl rings for the syndone molecules are 23.3 (4), 45.57 (16), 68.46 (16) and 56.5 (3)°. In the crystal, molecules are connected *via* N–H···N, N– H···O, O–H···O, O–H···N and C–H···O hydrogen bonds, forming a three-dimensional network.

Related literature

For biological applications of sydnones, see: Newton & Ramsden (1982); Wagner & Hill (1974); Kalluraya & Rahiman (1997); Kalluraya *et al.* (2002). For the stability of the temperature controller used in the data collection, see: Cosier & Glazer (1986).



Crystal data

 $C_{27}H_{21}N_7O_4S \cdot 0.06H_2O$ $M_r = 540.69$ Triclinic, $P\overline{1}$ a = 15.6242 (19) Å b = 18.7430 (19) Å c = 18.9689 (19) Å $\alpha = 111.235 (2)^{\circ}$ $\beta = 93.970 (2)^{\circ}$

Data collection

Bruker APEXII DUO CCD areadetector diffractometer Absorption correction: multi-scan (*SADABS*; Bruker, 2009) $T_{min} = 0.893, T_{max} = 0.988$

Refinement

 $R[F^2 > 2\sigma(F^2)] = 0.046$ $wR(F^2) = 0.141$ S = 1.0417604 reflections 1498 parameters 54 restraints H atoms treated by a mixture of independent and constrained refinement

12624 reflections with $I > 2\sigma(I)$

 $\Delta \rho_{\rm max} = 1.41 \text{ e} \text{ Å}^{-3}$

 $\Delta \rho_{\rm min} = -0.30 \text{ e } \text{\AA}^{-3}$

 $\gamma = 101.636 \ (2)^{\circ}$

Z = 8

V = 5009.4 (9) Å³

Mo $K\alpha$ radiation

 $0.64 \times 0.08 \times 0.07~\mathrm{mm}$

54193 measured reflections 17604 independent reflections

 $\mu = 0.18 \text{ mm}^{-3}$

T = 100 K

 $R_{\rm int} = 0.057$

Table 1

Hydrogen-bond geometry (Å, °).

D-H···A	D-H	$H \cdot \cdot \cdot A$	$D \cdots A$	$D - H \cdots A$
O1W−H2W1···O2C	0.85	1.92	2.772 (4)	175
$O1W - H1W1 \cdots N6B$	0.85	2.10	2.944 (4)	174
$N7A - H1NA \cdots N5B^{i}$	0.94 (5)	2.15 (5)	3.017 (4)	153 (4)
$N7A - H1NA \cdots N6B^{i}$	0.94 (5)	2.19 (6)	3.016 (4)	146 (3)
$N2A - H2NA \cdots O3A$	0.78 (3)	2.35 (3)	2.912 (3)	130 (3)
$N7B - H1NB \cdot \cdot \cdot N6A^{ii}$	0.86 (4)	2.16 (4)	2.964 (4)	155 (3)
$N3B - H2NB \cdots O3B$	0.88 (3)	2.25 (3)	2.865 (3)	127 (3)
$N7C - H1NC \cdot \cdot \cdot N6D^{iii}$	0.80 (3)	2.21 (3)	2.990 (4)	165 (3)
$N3C - H2NC \cdot \cdot \cdot O3C$	0.91 (3)	2.21 (3)	2.895 (3)	132 (3)
$N7D - H1ND \cdots N6C^{iii}$	0.89 (3)	2.25 (3)	3.082 (4)	157 (3)
$N3D - H2ND \cdots O3D$	0.94 (3)	2.07 (3)	2.841 (3)	138 (3)
$C1A - H1XA \cdots O2B^{i}$	1.16	2.43	3.471 (10)	148
$C5A - H5AA \cdots O4A^{iv}$	0.93	2.45	3.294 (4)	151
$C1B - H1BA \cdots O4B^{v}$	0.93	2.40	3.278 (4)	158
$C11A - H11A \cdots O4A^{iv}$	0.98	2.60	3.291 (4)	128
$C5B-H5BA\cdots O2A^{ii}$	0.93	2.51	3.405 (4)	162
$C19D - H19D \cdots O2B^{vi}$	0.93	2.41	3.289 (11)	157
$C5D - H5DA \cdots O4D^{iii}$	0.93	2.47	3.328 (4)	154
$C23A - H23A \cdots O3A^{iv}$	0.93	2.59	3.318 (4)	136
$C23B - H23B \cdot \cdot \cdot O3B^{v}$	0.93	2.41	3.240 (4)	149
$C27C - H27C \cdot \cdot \cdot O3C^{vii}$	0.93	2.52	3.359 (4)	150
$C27D - H27D \cdots O3D^{iii}$	0.93	2.42	3.258 (4)	149

Symmetry codes: (i) x + 1, y, z; (ii) x - 1, y, z; (iii) -x + 1, -y + 1, -z; (iv) -x + 2, -y, -z + 1; (v) -x, -y + 1, -z + 1; (vi) x, y, z - 1; (vii) -x + 1, -y, -z.

Data collection: *APEX2* (Bruker, 2009); cell refinement: *SAINT* (Bruker, 2009); data reduction: *SAINT*; program(s) used to solve structure: *SHELXTL* (Sheldrick, 2008); program(s) used to refine structure: *SHELXTL*; molecular graphics: *SHELXTL*; software used to prepare material for publication: *SHELXTL* and *PLATON* (Spek, 2009).

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Experimental

[‡] Thomson Reuters ResearcherID: A-3561-2009.

Supplementary data and figures for this paper are available from the IUCr electronic archives (Reference: HB5742).

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4-[(3-Benzamidomethyl-6-phenyl-6,7-dihydro-5*H*-1,2,4-triazolo[3,4-*b*] [1,3,4]thiadiazin-7-yl)carbonyl]-3-phenyl-1,2,3-oxadiazol-3-ium-5-olate 0.06hydrate

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S1. Comment

Sydnones are class of mesoionic compounds containing a 1,2,3-oxadiazole ring system. A number of sydnone derivatives have shown diverse biological activities such as anti-inflammatory, analgesic and anti-arthritic (Newton & Ramsden, 1982; Wagner & Hill, 1974) properties. Sydnones possessing heterocyclic moieties at the 4-position are also known for a wide range of biological properties (Kalluraya & Rahiman, 1997). Encouraged by these reports and in continuation of our research for biologically active nitrogen containing heterocycles, a triazolothiadiazole moiety at the 4-position of the phenylsydnone was introduced. A series of triazolothiadiazoles were synthesized by the reaction of 2,3-dibromo-1-(3'-arylsydnon-4'-yl)-3-aryl- propan-1-one with 3-substituted-4-amino-5-mercapto-1,2,4-triazoles (Kalluraya *et al.*, 2002).

The asymmetric unit of the title compound consists of two crystallographically independent syndone molecules (B & C) (Fig. 1a), two crystallographically independent disordered syndone molecules (A & D) (Fig. 1b) and a water molecule with a refined site occupancy of 0.25. In the disordered syndone molecules, three atoms C1A, C2A, C3A (molecule A) and C19D, C20D, C21D (molecule D) in the terminal phenyl rings are disordered over two positions, with occupancy ratios of 0.500 (18):0.500 (18) (molecule A) and 0.512 (17): 0.488 (17) (molecule D). The dihedral angles between terminal phenyl rings (C1A–C6A)/(C16A–C21A), (C1B–C6B)/(C16B–C21B), (C1C–C6C)/(C16C–C21C) and (C1D–C6D)/ (C16D–C21D) for all the syndone molecules are 23.3 (4)°, 45.57 (16)°, 68.46 (16)° and 56.5 (3)° respectively. In the crystal structure (Fig. 2), all molecules are connected via intra and inter molecular N–H…N, N–H…O and C–

H…O (Table 1) hydrogen bonds to form a three-dimensional network.

S2. Experimental

N-[(4-amino-5-mercapto-4H-1,2,4-triazol-3-yl)methyl]benzamide (0.01 mol) and 2,3-dibromo-1-(3'-phenylsydnon-4'-yl)-3-phenyl-propan-1-one (0.01 mol) in ethanol was treated with aqueous solution of sodium acetate (0.01 mol). The reaction mixture was refluxed on a water bath for 1–2 hours. The excess of ethanol was removed by distillation and the reaction mixture was kept overnight. The solid product separated was filtered. It was then recrystallized from ethanol. Colourless needles were obtained from 1:2 mixtures of DMF and ethanol by slow evaporation.

S3. Refinement

Atoms H1NA, H2NA, H1NB, H2NB, H1NC, H2NC, H1ND and H2ND were located from a difference Fourier map and refined freely. The remaining H atoms were positioned geometrically [N-H = 0.78 (3)-0.89 (3)Å and C-H = 0.93-0.98 Å] and were refined using a riding model, with $U_{iso}(H) = 1.2 U_{eq}(C, O)$. In the final refinement, the occupancies of the water molecules were fixed at 25%. The C atoms C1A, C2A, C3A (molecule A) and C19D, C20D, C21D (molecule D) of the terminal phenyl ring and the associated hydrogen atoms are disordered over two sites with a refined occupancy ratio of





Figure 1

a. The undisordered syndone molecules in the title compound, showing 30% probability displacement ellipsoids [H atoms are omitted for clarity].



Figure 2

b. The disordered syndome molecules in the title compound, showing 30% probability displacement ellipsoids [H atoms are omitted for clarity]. Dotted lines represents disordered components.



Figure 3

The crystal packing of the title compound (I).

4-[(3-Benzamidomethyl-6-phenyl-6,7-dihydro-5*H*-1,2,4- triazolo[3,4-*b*][1,3,4]thiadiazin-7-yl)carbonyl]-3-phenyl- 1,2,3-oxadiazol-3-ium-5-olate 0.06-hydrate

Crystal data

C27H21N7O4S·0.06H2O Z = 8 $M_r = 540.69$ F(000) = 2245Triclinic, $P\overline{1}$ $D_{\rm x} = 1.434 {\rm Mg m^{-3}}$ Hall symbol: -P 1 Mo *K* α radiation, $\lambda = 0.71073$ Å a = 15.6242 (19) ÅCell parameters from 8028 reflections *b* = 18.7430 (19) Å $\theta = 2.7 - 26.3^{\circ}$ $\mu = 0.18 \text{ mm}^{-1}$ c = 18.9689 (19) Å $\alpha = 111.235 (2)^{\circ}$ T = 100 K $\beta = 93.970 \ (2)^{\circ}$ Needle, colourless $0.64 \times 0.08 \times 0.07 \text{ mm}$ $\gamma = 101.636 (2)^{\circ}$ V = 5009.4 (9) Å³ Data collection Bruker APEXII DUO CCD area-detector 54193 measured reflections diffractometer 17604 independent reflections Radiation source: fine-focus sealed tube 12624 reflections with $I > 2\sigma(I)$ $R_{\rm int} = 0.057$ Graphite monochromator φ and ω scans $\theta_{\rm max} = 25.0^{\circ}, \ \theta_{\rm min} = 2.0^{\circ}$ $h = -18 \rightarrow 18$ Absorption correction: multi-scan (SADABS; Bruker, 2009) $k = -22 \rightarrow 22$ $T_{\rm min} = 0.893, T_{\rm max} = 0.988$ $l = -22 \rightarrow 22$

Refinement

Refinement on F^2	Secondary atom site location: difference Fourier
Least-squares matrix: full	map
$R[F^2 > 2\sigma(F^2)] = 0.046$	Hydrogen site location: inferred from
$wR(F^2) = 0.141$	neighbouring sites
S = 1.04	H atoms treated by a mixture of independent
17604 reflections	and constrained refinement
1498 parameters	$w = 1/[\sigma^2(F_o^2) + (0.0647P)^2 + 2.7459P]$
54 restraints	where $P = (F_0^2 + 2F_c^2)/3$
Primary atom site location: structure-invariant	$(\Delta/\sigma)_{\rm max} = 0.001$
direct methods	$\Delta ho_{ m max} = 1.41 \ m e \ m \AA^{-3}$
	$\Delta \rho_{\rm min} = -0.30 \text{ e} \text{ Å}^{-3}$

Special details

Experimental. The crystal was placed in the cold stream of an Oxford Cryosystems Cobra open-flow nitrogen cryostat (Cosier & Glazer, 1986) operating at 100.0 (1) K.

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

Refinement. Refinement of F² against ALL reflections. The weighted R-factor wR and goodness of fit S are based on F², conventional R-factors R are based on F, with F set to zero for negative F². The threshold expression of $F^2 > 2\sigma(F^2)$ is used only for calculating R-factors(gt) etc. and is not relevant to the choice of reflections for refinement. R-factors based on F² are statistically about twice as large as those based on F, and R- factors based on ALL data will be even larger.

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

	x	у	Ζ	$U_{\rm iso}$ */ $U_{\rm eq}$	Occ. (<1)
S1A	0.81870 (4)	0.17657 (4)	0.48519 (4)	0.02226 (16)	
O1A	0.63864 (15)	0.14942 (12)	0.67321 (12)	0.0361 (5)	
O2A	0.64762 (13)	0.12472 (12)	0.54756 (12)	0.0329 (5)	
O3A	0.92132 (14)	0.14012 (12)	0.63391 (11)	0.0307 (5)	
O4A	1.21342 (14)	0.03010 (12)	0.41242 (12)	0.0339 (5)	
N1A	0.76890 (18)	0.15234 (14)	0.71603 (13)	0.0310 (6)	
N2A	0.98017 (16)	0.09210 (14)	0.48506 (15)	0.0225 (5)	
N3A	0.6922 (2)	0.15895 (15)	0.73717 (15)	0.0392 (7)	
N4A	0.97880 (14)	0.14628 (13)	0.44937 (12)	0.0197 (5)	
N5A	0.93561 (15)	0.22744 (14)	0.40410 (13)	0.0250 (5)	
N6A	1.01463 (15)	0.21332 (14)	0.37903 (14)	0.0263 (5)	
N7A	1.17820 (16)	0.14717 (16)	0.45597 (17)	0.0349 (6)	
C1A	0.8463 (8)	0.2229 (5)	0.8387 (5)	0.035 (2)	0.500 (18)
H1AA	0.8164	0.2619	0.8422	0.042*	0.500 (18)
C2A	0.9055 (8)	0.2260 (6)	0.8986 (5)	0.046 (3)	0.500 (18)
H2AA	0.9199	0.2709	0.9436	0.055*	0.500 (18)
C3A	0.9429 (9)	0.1648 (11)	0.8929 (9)	0.048 (4)	0.500 (18)
НЗАА	0.9836	0.1705	0.9340	0.058*	0.500 (18)
C1X	0.8951 (12)	0.2263 (5)	0.8283 (6)	0.054 (4)	0.500 (18)
H1XA	0.8903	0.2747	0.8278	0.064*	0.500 (18)
C2X	0.9591 (11)	0.2246 (6)	0.8821 (6)	0.058 (4)	0.500 (18)
H2XA	0.9925	0.2715	0.9199	0.069*	0.500 (18)

C3X	0.9725 (13)	0.1545 (10)	0.8794 (9)	0.048 (4)	0.500 (18)
H3XA	1.0153	0.1520	0.9144	0.057*	0.500 (18)
C4A	0.9222 (2)	0.0897 (2)	0.8249 (2)	0.0467 (9)	
H4AA	0.9476	0.0479	0.8212	0.056*	
C5A	0.8615 (2)	0.0879 (2)	0.76758 (18)	0.0355 (7)	
H5AA	0.8377	0.0413	0.7253	0.043*	
C6A	0.8365 (2)	0.15571 (19)	0.77376 (17)	0.0394 (8)	
C7A	0.6848 (2)	0.13492 (16)	0.60984 (18)	0.0280 (7)	
C8A	0.7708 (2)	0.13778 (16)	0.64035 (16)	0.0269 (6)	
C9A	0.84668 (19)	0.12511 (16)	0.60046 (16)	0.0237 (6)	
C10A	0.82464 (18)	0.09253 (16)	0.51319 (15)	0.0208 (6)	
H10A	0.7655	0.0568	0.4985	0.025*	
C11A	0.88942 (17)	0.04434 (15)	0.47488 (15)	0.0207 (6)	
H11A	0.8937	0.0088	0.5015	0.025*	
C12A	0.91619 (17)	0.18592 (15)	0.44596 (15)	0.0210 (6)	
C13A	1.03816 (17)	0.16366 (16)	0.40521 (16)	0.0237 (6)	
C14A	1.11474 (18)	0.12737 (18)	0.38790 (18)	0.0301 (7)	
H14A	1.0931	0.0705	0.3638	0.036*	
H14B	1.1444	0.1452	0.3518	0.036*	
C15A	1.22460 (17)	0.09663 (16)	0.46224 (17)	0.0236 (6)	
C16A	1.29184 (18)	0.12498 (16)	0.53308 (17)	0.0256 (6)	
C17A	1.2885 (2)	0.18610 (17)	0.60068 (18)	0.0299 (7)	
H17A	1.2435	0.2123	0.6034	0.036*	
C18A	1.3522 (2)	0.20800 (18)	0.66406 (19)	0.0343 (7)	
H18A	1.3496	0.2485	0.7095	0.041*	
C19A	1.4199 (2)	0.16944 (19)	0.65979 (19)	0.0353 (7)	
H19A	1.4630	0.1845	0.7023	0.042*	
C20A	1.4236 (2)	0.10878 (18)	0.59263 (18)	0.0327 (7)	
H20A	1.4695	0.0835	0.5897	0.039*	
C21A	1.35912 (18)	0.08568 (17)	0.52995 (17)	0.0268 (6)	
H21A	1.3606	0.0436	0.4853	0.032*	
C22A	0.85938 (18)	-0.00858 (16)	0.39070 (16)	0.0220 (6)	
C23A	0.91430 (19)	-0.05525 (16)	0.35411 (17)	0.0267 (6)	
H23A	0.9685	-0.0514	0.3806	0.032*	
C24A	0.8892 (2)	-0.10747 (18)	0.27856 (18)	0.0337 (7)	
H24A	0.9262	-0.1388	0.2547	0.040*	
C25A	0.8090(2)	-0.11292 (18)	0.23861 (18)	0.0348 (7)	
H25A	0.7916	-0.1483	0.1880	0.042*	
C26A	0.7551 (2)	-0.06588(17)	0.27391 (17)	0.0309(7)	
H26A	0.7016	-0.0689	0.2468	0.037*	
C27A	0.77978 (18)	-0.01383(17)	0.34973 (16)	0.0258 (6)	
H27A	0.7428	0.0177	0.3732	0.031*	
S1B	0.02213 (5)	0.33764 (4)	0.63624 (4)	0.02532 (17)	
O1B	-0.24522(14)	0.32349 (12)	0.73433(12)	0.0325 (5)	
O2B	-0.09434 (15)	0.36214 (13)	0.75883 (12)	0.0374 (5)	
O3B	-0.14885 (12)	0.37946 (12)	0.53670 (11)	0.0285 (5)	
O4B	0.13564 (14)	0.45708 (11)	0.31579 (12)	0.0340 (5)	
N1B	-0.27213(15)	0.34360 (13)	0.63281 (13)	0.0253 (5)	
		0.0.000 (10)	0.002_01 (10)	0.0200 (0)	

N2B	-0.31183 (17)	0.32007 (14)	0.68140 (15)	0.0323 (6)
N3B	0.03196 (16)	0.42385 (14)	0.51785 (13)	0.0219 (5)
N4B	0.08836 (14)	0.37506 (13)	0.52056 (12)	0.0206 (5)
N5B	0.16085 (16)	0.30654 (14)	0.56221 (14)	0.0298 (6)
N6B	0.20166 (16)	0.32278 (15)	0.50383 (14)	0.0316 (6)
N7B	0.10437 (16)	0.35620 (15)	0.35535 (13)	0.0251 (5)
C1B	-0.3217 (2)	0.42780 (17)	0.57623 (17)	0.0290 (7)
H1BA	-0.2784	0.4704	0.6107	0.035*
C2B	-0.3811(2)	0.43785 (18)	0.52553 (18)	0.0332 (7)
H2BA	-0.3780	0.4879	0.5254	0.040*
C3B	-0.4453(2)	0.3741 (2)	0.4750(2)	0.0406 (8)
H3BA	-0.4859	0.3816	0 4417	0.049*
C4B	-0.4493(2)	0.2992(2)	0.4735(2)	0.0490 (9)
H4RA	-0.4914	0.2562	0.4381	0.059*
C5B	-0.3909(2)	0.28803 (18)	0.5246(2)	0.059
H5BA	-0.3940	0.2382	0.5240 (2)	0.0400(0)
C6P	-0.32852(18)	0.2502 0.35245(17)	0.5252	0.070(6)
COD C7P	-0.1614(2)	0.35245(17) 0.25227(17)	0.37401(17) 0.71760(17)	0.0270(0)
	-0.1014(2)	0.33327(17) 0.26415(16)	0.71709(17)	0.0288(7)
	-0.18203(18)	0.30413(10)	0.04914(10)	0.0238 (0)
C9B	-0.122/9(18)	0.38/5/(16)	0.60165 (16)	0.0230 (6)
CIUB	-0.02561 (18)	0.42104 (16)	0.63779(16)	0.0222 (6)
HIUB	-0.0231	0.4553	0.6914	0.02/*
CHB	0.02394 (18)	0.4/146 (16)	0.59823 (15)	0.0217 (6)
HIIB	-0.0119	0.5079	0.5955	0.026*
C12B	0.09345 (18)	0.33827 (15)	0.57003 (15)	0.0223 (6)
C13B	0.15782 (18)	0.36470 (17)	0.48147 (16)	0.0257 (6)
C14B	0.17561 (19)	0.39461 (18)	0.42032 (16)	0.0301 (7)
H14C	0.1814	0.4512	0.4403	0.036*
H14D	0.2309	0.3848	0.4037	0.036*
C15B	0.08921 (19)	0.39222 (16)	0.30756 (16)	0.0259 (6)
C16B	0.01206 (19)	0.35136 (16)	0.24481 (16)	0.0253 (6)
C17B	-0.0610(2)	0.29786 (17)	0.24864 (17)	0.0295 (7)
H17B	-0.0619	0.2831	0.2905	0.035*
C18B	-0.1326 (2)	0.26633 (19)	0.19035 (19)	0.0397 (8)
H18B	-0.1819	0.2308	0.1932	0.048*
C19B	-0.1306 (3)	0.2876 (2)	0.1282 (2)	0.0487 (9)
H19B	-0.1788	0.2660	0.0890	0.058*
C20B	-0.0585 (3)	0.3401 (2)	0.1232 (2)	0.0514 (10)
H20B	-0.0577	0.3537	0.0807	0.062*
C21B	0.0128 (2)	0.3726 (2)	0.18164 (19)	0.0395 (8)
H21B	0.0614	0.4088	0.1788	0.047*
C22B	0.11491 (18)	0.52202 (15)	0.64050 (16)	0.0220 (6)
C23B	0.16575 (19)	0.56588 (17)	0.60627 (17)	0.0287 (7)
H23B	0.1433	0.5636	0.5586	0.034*
C24B	0.2489 (2)	0.61289 (18)	0.64159 (18)	0.0336 (7)
H24B	0.2822	0.6418	0.6177	0.040*
C25B	0.2827(2)	0.61692 (18)	0.71262 (19)	0.0351(7)
H25B	0.3386	0.6488	0.7368	0.042*
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C26B	0.2334(2)	0 57374 (18)	0 74723 (19)	0.0348(7)
H26B	0.2560	0.5764	0.7950	0.042*
C27B	0.15042(19)	0.52630 (16)	0.71131 (16)	0.012
H27B	0.1179	0 4968	0.7350	0.033*
S1C	0.48300 (5)	0.26223 (4)	0.15697 (4)	0.02559 (17)
01C	0.19815(15)	0.16423(15)	0.22509(14)	0.0466 (6)
02C	0 34340 (16)	0.22827(14)	0.22309(11) 0.26351(13)	0.0414 (6)
03C	0.34333(12)	0.08877(12)	0.02058(12)	0.0299(5)
04C	0.69901 (14)	0.00973 (13)	-0.13738(13)	0.0399 (6)
N1C	0.19460 (16)	0.10302 (15)	0.10598 (16)	0.0328 (6)
N2C	0 14369 (18)	0 11339 (19)	0 15804 (18)	0.0320(0)
N3C	0.53334 (16)	0.11028 (13)	0.03307 (14)	0.0228(5)
N4C	0 57434 (14)	0 18924 (13)	0.03507(11) 0.04532(13)	0.0220(5)
N5C	0.59980(17)	0.31759 (14)	0.07845 (14)	0.0304 (6)
N6C	0.65470 (16)	0 28738 (15)	0.02506 (14)	0.0304 (6)
N7C	0.62830 (16)	0.10687 (15)	-0.11771(14)	0.0267(6)
C1C	0.02000(10) 0.1262(2)	-0.0297(2)	0.0143(2)	0.0202(0)
HICA	0.1349	-0.0485	0.0528	0.051*
C ² C	0.1349 0.0858 (2)	-0.0807(2)	-0.0585(2)	0.031 0.0478 (9)
H2CA	0.0662	-0.1343	-0.0692	0.0478())
C3C	0.0002 0.0743 (2)	-0.0528(2)	-0.1155(2)	0.037 0.0487 (9)
НЗСА	0.0473	-0.0875	-0.1646	0.058*
C4C	0.1029(2)	0.0270 (3)	-0.0995(2)	0.050
H4CA	0.0956	0.0457	-0.1382	0.062*
C5C	0.0930 0.1423(2)	0.0497 0.0793 (2)	-0.0264(2)	0.002
H5CA	0.1608	0.1332	-0.0150	0.054*
C6C	0.15331 (19)	0.04922 (19)	0.02876 (19)	0.031
C7C	0.13531(17) 0.2858(2)	0.01922(19) 0.18375(19)	0.02070(13)	0.0349(8)
C8C	0.2000(2) 0.28101(19)	0.10375(17) 0.14226(17)	0.13221(18)	0.0219(0)
C9C	0.25101(19) 0.35350(18)	0.12604 (16)	0.08981(18)	0.0256 (6)
C10C	0.44429(18)	0.15702 (16)	0.13905 (16)	0.0239(6)
H10C	0.4362	0.1536	0.1886	0.029*
CliC	0.1302 0.50822 (17)	0.10585 (16)	0.10525 (15)	0.0214 (6)
HIIC	0.4746	0.0513	0.0913	0.026*
C12C	0.55301 (18)	0.25668 (16)	0.08875 (16)	0.0239 (6)
C13C	0.63826 (18)	0.21076 (17)	0.00678 (15)	0.0255 (6)
C14C	0.68399 (19)	0.15572 (18)	-0.04461(16)	0.0295(0) 0.0295(7)
H14E	0.7377	0.1857	-0.0532	0.035*
H14F	0.7007	0.1221	-0.0201	0.035*
C15C	0.64339 (18)	0.03716(17)	-0.16049(17)	0.0258 (6)
C16C	0.58866 (18)	-0.00515(16)	-0.23813(16)	0.0245 (6)
C17C	0.50000(10)	0.00949(17)	-0.25619(18)	0.0213(0) 0.0312(7)
H17C	0.4838	0.0447	-0.2191	0.037*
C18C	0.4630(2)	-0.02942(19)	-0.33027(19)	0.0389 (8)
H18C	0.4088	-0.0205	-0.3432	0.047*
C19C	0.4982(2)	-0.08132(19)	-0.38510(19)	0.0417 (9)
H19C	0.4682	-0.1060	-0.4351	0.050*
C20C	0.5774 (2)	-0.09711 (19)	-0.36676 (19)	0.0402 (8)
	······································			

H20C	0.6003	-0.1331	-0.4038	0.048*
C21C	0.6220 (2)	-0.05916 (17)	-0.29329 (17)	0.0320(7)
H21C	0.6752	-0.0699	-0.2804	0.038*
C22C	0.58901 (18)	0.11634 (16)	0.16028 (16)	0.0242 (6)
C23C	0.6062 (2)	0.16828 (17)	0.23681 (18)	0.0322 (7)
H23C	0.5692	0.2016	0.2556	0.039*
C24C	0.6789(2)	0.17039 (19)	0.2853 (2)	0.0406 (8)
H24C	0.6902	0.2052	0.3363	0.049*
C25C	0.7340(2)	0.1210(2)	0.2579(2)	0.0427(9)
H25C	0 7824	0.1225	0.2904	0.051*
C26C	0.7621 0.7171(2)	0.0696 (2)	0.1825(2)	0.0388(8)
H26C	0.7539	0.0359	0.1640	0.047*
C27C	0.64560 (19)	0.0557 0.06778(18)	0.13309 (10)	0.0309(7)
H27C	0.6354	0.0334	0.0820	0.037*
S1D	0.67540 (5)	0.0334 0.74050 (4)	0.0829	0.037 0.02542(17)
	0.07340(3) 0.77315(16)	0.74930(4) 0.67127(13)	-0.22022(12)	0.02342(17)
OID	0.77515(10)	0.07127(13) 0.71052(12)	-0.22023(13)	0.0414(0)
02D	0.81108(13)	0.71932(13)	-0.09094(14)	0.0377(3)
03D	0.34384 (14)	0.56927 (13)	-0.124/0(11)	0.0338(5)
04D	0.30364 (16)	0.53490 (12)	0.13597 (12)	0.0395 (5)
NID	0.6481/(1/)	0.59195 (14)	-0.236/4 (14)	0.0303 (6)
N2D	0.7045 (2)	0.61867 (17)	-0.2/436(16)	0.0407(7)
N3D	0.52802 (16)	0.61112 (13)	0.03269 (14)	0.0252 (5)
N4D	0.53310 (15)	0.69244 (13)	0.07243 (12)	0.0222 (5)
N5D	0.56679 (15)	0.82093 (14)	0.10592 (14)	0.0284 (6)
N6D	0.49628 (15)	0.79944 (15)	0.14236 (14)	0.0301 (6)
N7D	0.33468 (15)	0.62925 (14)	0.08854 (14)	0.0259 (5)
C1D	0.5087 (3)	0.5518 (2)	-0.32158 (18)	0.0445 (9)
H1DA	0.5157	0.6033	-0.3187	0.053*
C2D	0.4363 (3)	0.4928 (3)	-0.3663 (2)	0.0539 (11)
H2DA	0.3932	0.5049	-0.3933	0.065*
C3D	0.4268 (2)	0.4159 (2)	-0.37144 (19)	0.0448 (9)
H3DA	0.3781	0.3766	-0.4024	0.054*
C4D	0.4899 (2)	0.3975 (2)	-0.33049 (18)	0.0375 (8)
H4DA	0.4838	0.3458	-0.3342	0.045*
C5D	0.5613 (2)	0.45567 (18)	-0.28440 (17)	0.0317 (7)
H5DA	0.6033	0.4443	-0.2556	0.038*
C6D	0.5697 (2)	0.53196 (18)	-0.28169 (16)	0.0316(7)
C7D	0.7583 (2)	0.67542 (19)	-0.14649 (19)	0.0313 (7)
C8D	0.6751 (2)	0.62235 (17)	-0.16016 (16)	0.0274 (7)
C9D	0.6211 (2)	0.60676 (17)	-0.10561(17)	0.0272 (7)
C10D	0.66614 (19)	0.64259 (16)	-0.02236(15)	0.0243 (6)
H10D	0.7263	0.6348	-0.0219	0.029*
C11D	0.61791 (19)	0.59872 (16)	0.02358 (16)	0.0243 (6)
HIID	0.6094	0 5424	-0.0074	0.029*
C12D	0 58650 (18)	0.75537 (16)	0.06481 (16)	0.0232 (6)
C13D	0.47891 (18)	0.72224(17)	0 12128 (16)	0.0252(0)
C14D	0.41083(19)	0.6744(2)	0.12725(17)	0.0201(0)
H14G	0.4368	0.6385	0.1634	0.0320(7)
011140	0.000	0.0505	0.1054	0.039

C15D 0.2857 (2) 0.56152 (17) 0.08784 (16) 0.0273 (6) C16D 0.2073 (2) 0.55059 (17) 0.02742 (17) 0.0298 (7) H17D 0.2406 0.5673 -0.0499 0.037* C18D 0.1229 (2) 0.4895 (2) -0.0499 0.0451 (9) H18D 0.1255 0.4871 -0.1450 0.054* C19D 0.0480 (8) 0.4523 (7) -0.0815 (6) 0.043 (2) 0.512 (17) H19D -0.0035 0.4319 -0.1172 0.051* 0.512 (17) C2DD 0.0509 (7) 0.4456 (6) -0.0113 (5) 0.048 (3) 0.512 (17) C11D 0.1282 (8) 0.4792 (7) 0.0418 (5) 0.040 (3) 0.512 (17) C11D 0.1281 0.4743 0.0889 0.044 (3) 0.488 (17) C19X 0.0692 (7) 0.4219 (9) -0.0207 (5) 0.041 (3) 0.488 (17) C19X 0.0587 (6) 0.4063 (7) -0.0207 (5) 0.041 (3) 0.488 (17) C19X 0.0587 (6) 0.4063 (7) -0.0207 (5) 0.041 (3) 0.488 (17) C	H14H	0.3915	0.7092	0.1922	0.039*	
C16D 0.2073 (2) 0.52059 (17) 0.02742 (17) 0.0298 (7) C17D 0.1970 (2) 0.53132 (18) -0.04070 (17) 0.0309 (7) C18D 0.1229 (2) 0.4895 (2) -0.09543 (19) 0.0451 (9) H18D 0.1255 0.4871 -0.1450 0.0443 (2) 0.512 (17) H19D -0.0035 0.4319 -0.1172 0.051* 0.512 (17) C19D 0.0480 (8) 0.4523 (7) -0.0415 (5) 0.0443 (3) 0.512 (17) C2DD 0.0509 (7) 0.4456 (6) -0.0113 (5) 0.048 (3) 0.512 (17) C2DD 0.0509 (7) 0.4415 (3) 0.0483 (3) 0.512 (17) C2DD 0.0509 (7) 0.4415 (3) 0.0483 (3) 0.512 (17) C2DD 0.0509 (7) 0.4415 (3) 0.0689 0.044 (3) 0.512 (17) C1PD 0.1281 0.4792 (7) 0.0418 (5) 0.040 (3) 0.512 (17) C1PD 0.1282 (8) 0.4792 (7) 0.0448 (6) 0.044 (3) 0.488 (17) C1PD	C15D	0.2857 (2)	0.56152 (17)	0.08784 (16)	0.0273 (6)	
C17D 0.1970 (2) 0.53132 (18) -0.0470 (17) 0.0309 (7) H17D 0.2406 0.5673 -0.0499 0.037* C18D 0.1229 (2) 0.4895 (2) -0.0953 (19) 0.0451 (9) H18D 0.1255 0.4871 -0.1450 0.054* C19D 0.0480 (8) 0.4523 (7) -0.0815 (6) 0.043 (2) 0.512 (17) H19D -0.0035 0.4319 -0.1172 0.051* 0.512 (17) H2DD 0.0010 0.4185 0.0005 0.058* 0.512 (17) H2DD 0.1228 (8) 0.4792 (7) 0.0418 (5) 0.0468 (3) 0.512 (17) C19X 0.0692 (7) 0.4219 (9) -0.0848 (6) 0.044* 0.512 (17) C19X 0.0692 (7) 0.4219 (9) -0.0848 (6) 0.044 (3) 0.488 (17) C20X 0.0687 (6) 0.4063 (7) -0.0207 (5) 0.041 (3) 0.488 (17) C21X 0.1575 (7) 0.4531 (6) 0.0306 (5) 0.031 (2) 0.488 (17) C21X 0.1575 (7) 0.4531 (18) 0.13177 (18) 0.0356 (8) 17)	C16D	0.2073 (2)	0.52059 (17)	0.02742 (17)	0.0298 (7)	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C17D	0.1970 (2)	0.53132 (18)	-0.04070 (17)	0.0309 (7)	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	H17D	0.2406	0.5673	-0.0499	0.037*	
H18D 0.1255 0.4871 -0.1450 $0.054*$ C19D $0.0480 (8)$ $0.4523 (7)$ $-0.0815 (6)$ $0.043 (2)$ $0.512 (17)$ H19D -0.0035 0.4319 -0.1172 $0.051*$ $0.512 (17)$ C20D $0.0509 (7)$ $0.4456 (6)$ $-0.0113 (5)$ $0.048 (3)$ $0.512 (17)$ H20D 0.0010 0.4185 0.0005 $0.058*$ $0.512 (17)$ C21D $0.1282 (8)$ $0.4792 (7)$ $0.0418 (5)$ $0.040 (3)$ $0.512 (17)$ H21D 0.1281 0.4743 0.0889 $0.044*$ $0.512 (17)$ C19X $0.0692 (7)$ $0.4219 (9)$ $-0.0848 (6)$ $0.044 (3)$ $0.488 (17)$ H19E 0.0223 0.3883 -0.1227 $0.053*$ $0.488 (17)$ C20X $0.0857 (6)$ $0.4063 (7)$ $-0.0207 (5)$ $0.041 (3)$ $0.488 (17)$ C21X $0.1575 (7)$ $0.4531 (6)$ $0.0360 (5)$ $0.031 (2)$ $0.488 (17)$ C21E 0.1720 0.4406 0.0778 $0.037*$ $0.488 (17)$ C21D $0.6666 (2)$ $0.61265 (16)$ $0.1021 (16)$ $0.027 (6)$ -223 C32D $0.7508 (2)$ $0.66351 (18)$ $0.1317 (18)$ $0.0358 (8)$ -2324 C23D $0.7508 (2)$ $0.6631 (18)$ $0.1231 (19)$ $0.455 (9)$ -254 L24D $0.7940 (3)$ 0.6275 $0.2847 (10)$ $0.038 (8)$ $-2446 (10) (16)$ L25D $0.752 (2)$ $0.5730 (2)$ $0.237 (18) (18) (7)$ $-256 (18) (18) (1399 (17) (139) (18) $	C18D	0.1229 (2)	0.4895 (2)	-0.09543 (19)	0.0451 (9)	
C19D 0.0480 (8) 0.4523 (7) -0.0815 (6) 0.043 (2) 0.512 (17) H19D -0.0035 0.4319 -0.1172 0.051* 0.512 (17) C20D 0.0509 (7) 0.4456 (6) -0.0113 (5) 0.048 (3) 0.512 (17) C21D 0.1282 (8) 0.4792 (7) 0.0418 (5) 0.040 (3) 0.512 (17) C21D 0.1281 0.4743 0.0889 0.048* 0.512 (17) C19X 0.0692 (7) 0.4219 (9) -0.0848 (6) 0.044 (3) 0.488 (17) C20X 0.0857 (6) 0.4063 (7) -0.0207 (5) 0.041 (3) 0.488 (17) C20X 0.0857 (6) 0.4063 (7) -0.0207 (5) 0.041 (3) 0.488 (17) C20X 0.0857 (6) 0.4063 (7) -0.0207 (5) 0.041 (3) 0.488 (17) C21X 0.1575 (7) 0.451 (6) 0.0360 (5) 0.031 (2) 0.488 (17) C21X 0.1575 (7) 0.451 (6) 0.10021 (16) 0.0270 (6) 224 C21D 0.6686 (2) 0.61265 (16)	H18D	0.1255	0.4871	-0.1450	0.054*	
H19D -0.0035 0.4319 -0.1172 0.051* 0.512 (17) C20D 0.0599 (7) 0.4456 (6) -0.0113 (5) 0.048 (3) 0.512 (17) H20D 0.0010 0.4185 0.0005 0.058* 0.512 (17) H21D 0.1282 (8) 0.4792 (7) 0.0418 (5) 0.040 (3) 0.512 (17) H21D 0.1281 0.4743 0.0889 0.048* 0.512 (17) C19X 0.0692 (7) 0.4219 (9) -0.0848 (6) 0.044 (3) 0.488 (17) C20X 0.0857 (6) 0.4063 (7) -0.0207 (5) 0.041 (3) 0.488 (17) C20X 0.0857 (6) 0.4063 0.0350 (5) 0.031 (2) 0.488 (17) H20E 0.484 0.3639 -0.0150 0.050* 0.488 (17) C21X 0.1575 (7) 0.4531 (6) 0.0021 (16) 0.0270 (6) 1222 C22D 0.6686 (2) 0.61265 (16) 0.1021 (16) 0.0270 (6) 1241 C21D 0.7508 (2) 0.6238 (2) 0.2131 (19) 0	C19D	0.0480 (8)	0.4523 (7)	-0.0815 (6)	0.043 (2)	0.512 (17)
C20D 0.0509 (7) 0.4456 (6) -0.0113 (5) 0.048 (3) 0.512 (17) H2DD 0.010 0.4185 0.0005 0.058* 0.512 (17) C21D 0.1282 (8) 0.4792 (7) 0.0418 (5) 0.040 (3) 0.512 (17) C1DN 0.1281 0.4743 0.889 0.044* 0.512 (17) C19X 0.0692 (7) 0.4219 (9) -0.0848 (6) 0.044 (3) 0.488 (17) C19X 0.0692 (7) 0.4219 (9) -0.0848 (6) 0.044 (3) 0.488 (17) C20X 0.0857 (6) 0.4063 (7) -0.0207 (5) 0.041 (3) 0.488 (17) H20E 0.0484 0.3639 -0.0150 0.50* 0.488 (17) H21E 0.1720 0.4406 0.0778 0.037* 0.488 (17) H21E 0.1720 0.4406 0.0778 0.037* 0.488 (17) H21E 0.1720 0.66351 (18) 0.13177 (18) 0.0368 (8) 123D C23D 0.7580 (2) 0.66351 (18) 0.11317 (18) 0.025*	H19D	-0.0035	0.4319	-0.1172	0.051*	0.512 (17)
H20D0.00100.41850.00050.058*0.512 (17)C21D0.1282 (8)0.4792 (7)0.0418 (5)0.040 (3)0.512 (17)H21D0.12810.47430.08890.044*0.512 (17)C19X0.0692 (7)0.4219 (9)-0.0848 (6)0.044 (3)0.488 (17)H19E0.02230.3883-0.12270.053*0.488 (17)C20X0.0857 (6)0.4063 (7)-0.0207 (5)0.041 (3)0.488 (17)C21X0.1575 (7)0.4531 (6)0.0360 (5)0.031 (2)0.488 (17)C21X0.1575 (7)0.4531 (6)0.0360 (5)0.031 (2)0.488 (17)C21D0.6686 (2)0.61265 (16)0.10021 (16)0.0270 (6)C23D0.7508 (2)0.66351 (18)0.13177 (18)0.0368 (8)C24D0.7940 (3)0.6694 (2)0.20131 (19)0.0455 (9)L24D0.7940 (3)0.6694 (2)0.20131 (19)0.0455 (9)L25D0.7542 (3)0.6238 (2)0.23845 (18)0.0396 (8)L26D0.6728 (2)0.5730 (2)0.20766 (18)0.0396 (8)L27D0.57390.5440.23270.048*L27D0.57390.5541 (18)0.13995 (17)0.0318 (7)L27D0.57390.5541 (18)0.13995 (17)0.0318 (7)L27D0.57390.53440.12010.038*L26D0.66450.54190.23270.0648 (17)L27D0.57390.53440.12010.038*L27D0	C20D	0.0509 (7)	0.4456 (6)	-0.0113 (5)	0.048 (3)	0.512 (17)
$\begin{array}{cccccc} C21D & 0.1282 (8) & 0.4792 (7) & 0.0418 (5) & 0.040 (3) & 0.512 (17) \\ H21D & 0.1281 & 0.4743 & 0.0889 & 0.048* & 0.512 (17) \\ C19X & 0.0692 (7) & 0.4219 (9) & -0.0848 (6) & 0.044 (3) & 0.488 (17) \\ H19E & 0.0223 & 0.3883 & -0.1227 & 0.053* & 0.488 (17) \\ C20X & 0.0857 (6) & 0.4063 (7) & -0.0207 (5) & 0.041 (3) & 0.488 (17) \\ H20E & 0.0484 & 0.3639 & -0.0150 & 0.050* & 0.488 (17) \\ C21X & 0.1575 (7) & 0.4531 (6) & 0.0360 (5) & 0.031 (2) & 0.488 (17) \\ H21E & 0.1720 & 0.4406 & 0.0778 & 0.037* & 0.488 (17) \\ C22D & 0.6686 (2) & 0.66251 (18) & 0.13177 (18) & 0.0368 (8) \\ H23D & 0.7777 & 0.6941 & 0.1065 & 0.044* \\ C24D & 0.7940 (3) & 0.6694 (2) & 0.20131 (19) & 0.0455 (9) \\ H24D & 0.8493 & 0.7039 & 0.2224 & 0.055* \\ C25D & 0.7542 (3) & 0.6238 (2) & 0.23845 (18) & 0.0336 (8) \\ H25D & 0.7829 & 0.6275 & 0.2847 & 0.052* \\ C26D & 0.6728 (2) & 0.5730 (2) & 0.20766 (18) & 0.0396 (8) \\ H26D & 0.6465 & 0.5419 & 0.327 & 0.048* \\ C27D & 0.6299 (2) & 0.56810 (18) & 0.13995 (17) & 0.0318 (7) \\ H27D & 0.5739 & 0.5344 & 0.1201 & 0.038* \\ H1NA & 1.193 (3) & 0.200 (3) & 0.490 (2) & 0.065 (12)* \\ H2NA & 0.998 (2) & 0.1156 (18) & 0.5284 (18) & 0.023 (9)* \\ H1NB & 0.0761 (19) & 0.3090 (19) & 0.3471 (17) & 0.025 (8)* \\ H1ND & 0.3206 (19) & 0.4884 (17) & 0.0339 (17) & 0.027 (8)* \\ H1ND & 0.3206 (19) & 0.46484 (17) & 0.0339 (17) & 0.027 (8)* \\ H1ND & 0.3206 (19) & 0.6484 (17) & 0.0339 (17) & 0.027 (8)* \\ H1ND & 0.3206 (19) & 0.6484 (17) & 0.0339 (17) & 0.027 (8)* \\ H1ND & 0.3206 (19) & 0.6484 (17) & 0.0339 (17) & 0.027 (8)* \\ H1ND & 0.3206 (19) & 0.6484 (17) & 0.0339 (17) & 0.027 (8)* \\ H1ND & 0.3206 (19) & 0.6484 (17) & 0.0339 (17) & 0.027 (8)* \\ H1ND & 0.3206 (19) & 0.6484 (17) & 0.0339 (17) & 0.027 (8)* \\ H1ND & 0.3206 (19) & 0.6484 (17) & 0.0339 (17) & 0.027 (8)* \\ H1ND & 0.3206 (19) & 0.6484 (17) & 0.0339 (17) & 0.027 (8)* \\ H1ND & 0.3206 (19) & 0.6484 (17) & 0.0339 (17) & 0.027 (8)* \\ H1ND & 0.3466 (6) & 0.2769 (5) & 0.424 (5) & 0.042 (2)* & 0.25 \\ H1W1 & 0.3021 & 0.2878 & 0.4418 & 0.064* & 0.25 \\ H2W1 & 0.3486 & 0.2631$	H20D	0.0010	0.4185	0.0005	0.058*	0.512 (17)
H21D0.12810.47430.08890.048*0.512 (17)C19X0.0692 (7)0.4219 (9)-0.0848 (6)0.044 (3)0.488 (17)H19E0.02330.3883-0.12270.053*0.488 (17)C20X0.0857 (6)0.4063 (7)-0.0207 (5)0.041 (3)0.488 (17)C20X0.0857 (6)0.463 (7)-0.0207 (5)0.053*0.488 (17)C21X0.1575 (7)0.4531 (6)0.0360 (5)0.031 (2)0.488 (17)C21X0.1575 (7)0.4531 (6)0.0360 (5)0.031 (2)0.488 (17)C21D0.6686 (2)0.61265 (16)0.10021 (16)0.0270 (6)C23D0.7508 (2)0.66351 (18)0.13177 (18)0.0368 (6)C24D0.7940 (3)0.6694 (2)0.20131 (19)0.044*C25D0.7542 (3)0.6238 (2)0.23845 (18)0.0434 (9)H24D0.84930.70390.22240.055*C25D0.7542 (3)0.6238 (2)0.23845 (18)0.0396 (8)H25D0.78290.62750.28470.052*C27D0.6299 (2)0.56810 (18)0.13995 (17)0.0318 (7)H27D0.57390.53440.12010.038*H1NA1.193 (3)0.200 (3)0.490 (2)0.065 (12)*H27D0.57390.34420.12010.023 (9)*H1NA1.193 (3)0.200 (3)0.490 (2)0.065 (12)*H1NA0	C21D	0.1282 (8)	0.4792 (7)	0.0418 (5)	0.040 (3)	0.512 (17)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	H21D	0.1281	0.4743	0.0889	0.048*	0.512 (17)
H19E0.02230.3883-0.12270.053*0.488 (17)C20X0.0857 (6)0.4063 (7)-0.0207 (5)0.041 (3)0.488 (17)H20E0.04840.3639-0.01500.050*0.488 (17)C21X0.1575 (7)0.4531 (6)0.0360 (5)0.031 (2)0.488 (17)C21D0.6686 (2)0.61265 (16)0.10021 (16)0.0270 (6)C23D0.7508 (2)0.66351 (18)0.13177 (18)0.0368 (8)C24D0.77770.69410.10650.044*C24D0.7940 (3)0.6694 (2)0.20131 (19)0.455 (9)H24D0.84930.70390.22240.055*C25D0.7542 (3)0.6238 (2)0.23845 (18)0.0396 (8)H25D0.78290.62750.28470.052*C26D0.6728 (2)0.5730 (2)0.20766 (18)0.0396 (8)H26D0.64650.54190.23270.048*C27D0.6299 (2)0.56810 (18)0.13995 (17)0.0318 (7)H27D0.57390.52440.023 (9)*H1NA1.193 (3)0.200 (3)0.490 (2)0.065 (12)*H2NA0.998 (2)0.1156 (18)0.5284 (18)0.023 (9)*H1NB0.0761 (19)0.3090 (19)0.3471 (17)0.025 (8)*H1ND0.3206 (19)0.41810.0039 (17)0.027 (8)*H2NA0.998 (2)0.1273 (19)-0	C19X	0.0692 (7)	0.4219 (9)	-0.0848 (6)	0.044 (3)	0.488 (17)
C20X 0.0857 (6) 0.4063 (7) -0.0207 (5) 0.041 (3) 0.488 (17) H20E 0.0484 0.3639 -0.0150 0.050* 0.488 (17) C21X 0.1575 (7) 0.4531 (6) 0.0360 (5) 0.031 (2) 0.488 (17) H21E 0.1720 0.4406 0.0778 0.037* 0.488 (17) C22D 0.6686 (2) 0.61265 (16) 0.10021 (16) 0.0270 (6) 0.488 (17) C23D 0.7508 (2) 0.66351 (18) 0.13177 (18) 0.0368 (8) - L23D 0.7777 0.6941 0.1065 0.044* - C24D 0.7940 (3) 0.6694 (2) 0.20131 (19) 0.0455 (9) - H24D 0.8493 0.7039 0.2224 0.055* - - C25D 0.7542 (3) 0.6238 (2) 0.23847 0.048* - C26D 0.678 (2) 0.5730 (2) 0.20766 (18) 0.0396 (8) - H26D 0.6465 0.5419 0.2327 0.048* -	H19E	0.0223	0.3883	-0.1227	0.053*	0.488 (17)
H20E0.04840.3639-0.01500.050*0.488 (17)C21X0.1575 (7)0.4531 (6)0.0360 (5)0.031 (2)0.488 (17)H21E0.17200.44060.07780.037*0.488 (17)C22D0.6686 (2)0.61265 (16)0.10021 (16)0.0270 (6)0.270 (6)C23D0.7508 (2)0.66351 (18)0.13177 (18)0.0368 (8)L23D0.77770.69410.10650.044*C24D0.7940 (3)0.6694 (2)0.20131 (19)0.0455 (9)H24D0.84930.70390.22240.055*C25D0.7542 (3)0.6238 (2)0.23845 (18)0.0434 (9)H25D0.78290.62750.28470.052*C27D0.6299 (2)0.56810 (18)0.13995 (17)0.0318 (7)H27D0.57390.53440.12010.038*H1NA1.193 (3)0.200 (3)0.490 (2)0.065 (12)*H1NA1.193 (3)0.200 (3)0.4936 (18)0.028 (9)*H1NA0.998 (2)0.1156 (18)0.5284 (18)0.028 (9)*H1NA0.998 (2)0.1156 (18)0.4936 (18)0.028 (9)*H1NB0.0761 (19)0.3090 (19)0.3471 (17)0.028 (8)*H1NC0.595 (2)0.1273 (19)-0.1330 (18)0.029 (9)*H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H1ND0.3206 (19) <t< td=""><td>C20X</td><td>0.0857 (6)</td><td>0.4063 (7)</td><td>-0.0207 (5)</td><td>0.041 (3)</td><td>0.488 (17)</td></t<>	C20X	0.0857 (6)	0.4063 (7)	-0.0207 (5)	0.041 (3)	0.488 (17)
C21X 0.1575 (7) 0.4531 (6) 0.0360 (5) 0.031 (2) 0.488 (17) H21E 0.1720 0.4406 0.0778 0.037* 0.488 (17) C22D 0.6686 (2) 0.61265 (16) 0.10021 (16) 0.0270 (6) 0.488 (17) C23D 0.7508 (2) 0.66351 (18) 0.13177 (18) 0.0368 (8)	H20E	0.0484	0.3639	-0.0150	0.050*	0.488 (17)
H21E0.17200.44060.07780.037*0.488 (17)C22D0.6686 (2)0.61265 (16)0.10021 (16)0.0270 (6)C23D0.7508 (2)0.66351 (18)0.13177 (18)0.0368 (8)H23D0.77770.69410.10650.044*C24D0.7940 (3)0.6694 (2)0.20131 (19)0.0455 (9)H24D0.84930.70390.22240.055*C25D0.7542 (3)0.6238 (2)0.23845 (18)0.0434 (9)H25D0.78290.62750.28470.052*C26D0.6728 (2)0.5730 (2)0.20766 (18)0.0396 (8)H26D0.64650.54190.23270.048*C27D0.6299 (2)0.56810 (18)0.13995 (17)0.0318 (7)H27D0.57390.53440.12010.038*H1NA1.193 (3)0.200 (3)0.490 (2)0.065 (12)*H2NA0.998 (2)0.1156 (18)0.5284 (18)0.023 (9)*H1NB0.0761 (19)0.3090 (19)0.3471 (17)0.025 (8)*H1NC0.595 (2)0.1273 (19)-0.1330 (18)0.029 (9)*H1NC0.595 (2)0.1273 (19)-0.1330 (18)0.029 (9)*H2ND0.3026 (19)0.6484 (17)0.0539 (17)0.027 (8)*H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H2ND0.502 (2)0.593 (2)-0.019 (2)0.046 (10)*O1W0.346	C21X	0.1575 (7)	0.4531 (6)	0.0360 (5)	0.031 (2)	0.488 (17)
C22D 0.6686 (2) 0.61265 (16) 0.10021 (16) 0.0270 (6) C23D 0.7508 (2) 0.66351 (18) 0.13177 (18) 0.0368 (8) H23D 0.7777 0.6941 0.1065 0.044* C24D 0.7940 (3) 0.6694 (2) 0.20131 (19) 0.0455 (9) H24D 0.8493 0.7039 0.2224 0.055* C25D 0.7542 (3) 0.6238 (2) 0.23845 (18) 0.0434 (9) H25D 0.7829 0.6275 0.2847 0.052* C26D 0.6728 (2) 0.5730 (2) 0.20766 (18) 0.0396 (8) H26D 0.6465 0.5419 0.2327 0.048* C27D 0.6299 (2) 0.56810 (18) 0.13995 (17) 0.0318 (7) H27D 0.5739 0.5344 0.1201 0.038* H1NA 1.193 (3) 0.200 (3) 0.490 (2) 0.065 (12)* H2NA 0.998 (2) 0.1156 (18) 0.5284 (18) 0.023 (9)* H1NA 1.93 (2) 0.3090 (19) 0.3471 (17)	H21E	0.1720	0.4406	0.0778	0.037*	0.488 (17)
C23D 0.7508 (2) 0.66351 (18) 0.13177 (18) 0.0368 (8) H23D 0.7777 0.6941 0.1065 0.044* C24D 0.7940 (3) 0.6694 (2) 0.20131 (19) 0.0455 (9) H24D 0.8493 0.7039 0.2224 0.055* C25D 0.7542 (3) 0.6238 (2) 0.23845 (18) 0.0434 (9) H25D 0.7829 0.6275 0.2847 0.052* C26D 0.6728 (2) 0.5730 (2) 0.20766 (18) 0.0396 (8) H26D 0.6465 0.5419 0.2327 0.048* C27D 0.6299 (2) 0.56810 (18) 0.13995 (17) 0.0318 (7) H27D 0.5739 0.5344 0.1201 0.038* H1NA 1.193 (3) 0.200 (3) 0.490 (2) 0.065 (12)* H2NA 0.998 (2) 0.1156 (18) 0.5284 (18) 0.023 (9)* H1NA 1.193 (3) 0.200 (3) 0.490 (2) 0.065 (12)* H2NB -0.016 (2) 0.3892 (18) 0.4936 (18) 0.023 (9)* H1NA 1.93 (3) 0.3090 (19) 0.3471 (1	C22D	0.6686 (2)	0.61265 (16)	0.10021 (16)	0.0270 (6)	
H23D0.77770.69410.10650.044*C24D0.7940 (3)0.6694 (2)0.20131 (19)0.0455 (9)H24D0.84930.70390.22240.055*C25D0.7542 (3)0.6238 (2)0.23845 (18)0.0434 (9)H25D0.78290.62750.28470.052*C26D0.6728 (2)0.5730 (2)0.20766 (18)0.0396 (8)H26D0.64650.54190.23270.048*C27D0.6299 (2)0.56810 (18)0.13995 (17)0.0318 (7)H27D0.57390.53440.12010.038*H1NA1.193 (3)0.200 (3)0.490 (2)0.065 (12)*H2NA0.998 (2)0.1156 (18)0.5284 (18)0.023 (9)*H1NB0.0761 (19)0.3090 (19)0.3471 (17)0.025 (8)*H2NB-0.018 (2)0.3892 (18)0.4936 (18)0.029 (9)*H1NC0.595 (2)0.1273 (19)-0.1330 (18)0.029 (9)*H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H2ND0.502 (2)0.593 (2)-0.019 (2)0.046 (10)*O1W0.3466 (6)0.2769 (5)0.4204 (5)0.042*0.25H2W10.34860.26310.37270.064*0.25	C23D	0.7508 (2)	0.66351 (18)	0.13177 (18)	0.0368 (8)	
C24D 0.7940 (3) 0.6694 (2) 0.20131 (19) 0.0455 (9) H24D 0.8493 0.7039 0.2224 0.055* C25D 0.7542 (3) 0.6238 (2) 0.23845 (18) 0.0434 (9) H25D 0.7829 0.6275 0.2847 0.052* C26D 0.6728 (2) 0.5730 (2) 0.20766 (18) 0.0396 (8) H26D 0.6465 0.5419 0.2327 0.048* C27D 0.6299 (2) 0.56810 (18) 0.13995 (17) 0.0318 (7) H27D 0.5739 0.5344 0.1201 0.038* H1NA 1.193 (3) 0.200 (3) 0.490 (2) 0.065 (12)* H2NA 0.998 (2) 0.1156 (18) 0.5284 (18) 0.023 (9)* H1NB 0.0761 (19) 0.3090 (19) 0.3471 (17) 0.025 (8)* H2NB -0.018 (2) 0.3892 (18) 0.4936 (18) 0.029 (9)* H1NC 0.595 (2) 0.1273 (19) -0.1330 (18) 0.029 (9)* H2ND 0.3206 (19) 0.6484 (17) 0.0539 (17) 0.027 (8)* H1ND 0.3206 (19) 0.6484 (17)	H23D	0.7777	0.6941	0.1065	0.044*	
H24D0.84930.70390.22240.055*C25D0.7542 (3)0.6238 (2)0.23845 (18)0.0434 (9)H25D0.78290.62750.28470.052*C26D0.6728 (2)0.5730 (2)0.20766 (18)0.0396 (8)H26D0.64650.54190.23270.048*C27D0.6299 (2)0.56810 (18)0.13995 (17)0.0318 (7)H27D0.57390.53440.12010.038*H1NA1.193 (3)0.200 (3)0.490 (2)0.065 (12)*H2NA0.998 (2)0.1156 (18)0.5284 (18)0.023 (9)*H1NB0.0761 (19)0.3090 (19)0.3471 (17)0.025 (8)*H2NB-0.018 (2)0.3892 (18)0.4936 (18)0.028 (9)*H1NC0.595 (2)0.1273 (19)-0.1330 (18)0.029 (9)*H2NC0.482 (2)0.0965 (17)0.0007 (17)0.028 (8)*H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H2ND0.502 (2)0.593 (2)-0.019 (2)0.046 (10)*O1W0.3466 (6)0.2769 (5)0.4204 (5)0.042 (2)*0.25H2W10.34860.26310.37270.064*0.25	C24D	0.7940 (3)	0.6694 (2)	0.20131 (19)	0.0455 (9)	
C25D 0.7542 (3) 0.6238 (2) 0.23845 (18) 0.0434 (9) H25D 0.7829 0.6275 0.2847 0.052* C26D 0.6728 (2) 0.5730 (2) 0.20766 (18) 0.0396 (8) H26D 0.6465 0.5419 0.2327 0.048* C27D 0.6299 (2) 0.56810 (18) 0.13995 (17) 0.0318 (7) H27D 0.5739 0.5344 0.1201 0.038* H1NA 1.193 (3) 0.200 (3) 0.490 (2) 0.065 (12)* H2NA 0.998 (2) 0.1156 (18) 0.5284 (18) 0.023 (9)* H1NB 0.0761 (19) 0.3090 (19) 0.3471 (17) 0.025 (8)* H2NB -0.018 (2) 0.1273 (19) -0.1330 (18) 0.029 (9)* H1NC 0.595 (2) 0.1273 (19) -0.1330 (18) 0.029 (9)* H2ND 0.3206 (19) 0.6484 (17) 0.0539 (17) 0.027 (8)* H1ND 0.3206 (19) 0.6484 (17) 0.0539 (17) 0.027 (8)* H2ND 0.502 (2) 0.593 (2) -0.019 (2) 0.046 (10)* O1W 0.3466 (6)	H24D	0.8493	0.7039	0.2224	0.055*	
H25D0.78290.62750.28470.052*C26D0.6728 (2)0.5730 (2)0.20766 (18)0.0396 (8)H26D0.64650.54190.23270.048*C27D0.6299 (2)0.56810 (18)0.13995 (17)0.0318 (7)H27D0.57390.53440.12010.038*H1NA1.193 (3)0.200 (3)0.490 (2)0.065 (12)*H2NA0.998 (2)0.1156 (18)0.5284 (18)0.023 (9)*H1NB0.0761 (19)0.3090 (19)0.3471 (17)0.025 (8)*H2NB-0.018 (2)0.3892 (18)0.4936 (18)0.029 (9)*H1NC0.595 (2)0.1273 (19)-0.1330 (18)0.029 (9)*H2NC0.482 (2)0.0965 (17)0.0007 (17)0.028 (8)*H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H2ND0.502 (2)0.593 (2)-0.019 (2)0.046 (10)*O1W0.3466 (6)0.2769 (5)0.4204 (5)0.042 (2)*0.25H2W10.34860.26310.37270.064*0.25	C25D	0.7542 (3)	0.6238 (2)	0.23845 (18)	0.0434 (9)	
C26D 0.6728 (2) 0.5730 (2) 0.20766 (18) 0.0396 (8) H26D 0.6465 0.5419 0.2327 0.048* C27D 0.6299 (2) 0.56810 (18) 0.13995 (17) 0.0318 (7) H27D 0.5739 0.5344 0.1201 0.038* H1NA 1.193 (3) 0.200 (3) 0.490 (2) 0.065 (12)* H2NA 0.998 (2) 0.1156 (18) 0.5284 (18) 0.023 (9)* H1NB 0.0761 (19) 0.3090 (19) 0.3471 (17) 0.025 (8)* H2NB -0.018 (2) 0.3892 (18) 0.4936 (18) 0.029 (9)* H1NC 0.595 (2) 0.1273 (19) -0.1330 (18) 0.029 (9)* H2NC 0.482 (2) 0.0965 (17) 0.0007 (17) 0.028 (8)* H1ND 0.3206 (19) 0.6484 (17) 0.0539 (17) 0.027 (8)* H2ND 0.502 (2) 0.593 (2) -0.019 (2) 0.046 (10)* O1W 0.3466 (6) 0.2769 (5) 0.4204 (5) 0.042 (2)* 0.25 H1W1 0.3021 0.2878 0.4418 0.064* 0.25 H2W1 <td>H25D</td> <td>0.7829</td> <td>0.6275</td> <td>0.2847</td> <td>0.052*</td> <td></td>	H25D	0.7829	0.6275	0.2847	0.052*	
H26D0.64650.54190.23270.048*C27D0.6299 (2)0.56810 (18)0.13995 (17)0.0318 (7)H27D0.57390.53440.12010.038*H1NA1.193 (3)0.200 (3)0.490 (2)0.065 (12)*H2NA0.998 (2)0.1156 (18)0.5284 (18)0.023 (9)*H1NB0.0761 (19)0.3090 (19)0.3471 (17)0.025 (8)*H2NB-0.018 (2)0.3892 (18)0.4936 (18)0.029 (9)*H1NC0.595 (2)0.1273 (19)-0.1330 (18)0.029 (9)*H2NC0.482 (2)0.0965 (17)0.0007 (17)0.028 (8)*H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H2ND0.502 (2)0.593 (2)-0.019 (2)0.046 (10)*O1W0.3466 (6)0.2769 (5)0.4204 (5)0.042 (2)*0.25H1W10.30210.28780.44180.064*0.25H2W10.34860.26310.37270.064*0.25	C26D	0.6728 (2)	0.5730 (2)	0.20766 (18)	0.0396 (8)	
C27D0.6299 (2)0.56810 (18)0.13995 (17)0.0318 (7)H27D0.57390.53440.12010.038*H1NA1.193 (3)0.200 (3)0.490 (2)0.065 (12)*H2NA0.998 (2)0.1156 (18)0.5284 (18)0.023 (9)*H1NB0.0761 (19)0.3090 (19)0.3471 (17)0.025 (8)*H2NB-0.018 (2)0.3892 (18)0.4936 (18)0.028 (9)*H1NC0.595 (2)0.1273 (19)-0.1330 (18)0.029 (9)*H2NC0.482 (2)0.0965 (17)0.0007 (17)0.028 (8)*H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H2ND0.502 (2)0.593 (2)-0.019 (2)0.046 (10)*O1W0.3466 (6)0.2769 (5)0.4204 (5)0.042 (2)*0.25H2W10.34860.26310.37270.064*0.25	H26D	0.6465	0.5419	0.2327	0.048*	
H27D0.57390.53440.12010.038*H1NA1.193 (3)0.200 (3)0.490 (2)0.065 (12)*H2NA0.998 (2)0.1156 (18)0.5284 (18)0.023 (9)*H1NB0.0761 (19)0.3090 (19)0.3471 (17)0.025 (8)*H2NB-0.018 (2)0.3892 (18)0.4936 (18)0.028 (9)*H1NC0.595 (2)0.1273 (19)-0.1330 (18)0.029 (9)*H2NC0.482 (2)0.0965 (17)0.0007 (17)0.028 (8)*H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H2ND0.502 (2)0.593 (2)-0.019 (2)0.046 (10)*O1W0.3466 (6)0.2769 (5)0.4204 (5)0.042 (2)*0.25H1W10.30210.28780.44180.064*0.25H2W10.34860.26310.37270.064*0.25	C27D	0.6299 (2)	0.56810 (18)	0.13995 (17)	0.0318 (7)	
H1NA1.193 (3)0.200 (3)0.490 (2)0.065 (12)*H2NA0.998 (2)0.1156 (18)0.5284 (18)0.023 (9)*H1NB0.0761 (19)0.3090 (19)0.3471 (17)0.025 (8)*H2NB-0.018 (2)0.3892 (18)0.4936 (18)0.028 (9)*H1NC0.595 (2)0.1273 (19)-0.1330 (18)0.029 (9)*H2NC0.482 (2)0.0965 (17)0.0007 (17)0.028 (8)*H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H2ND0.502 (2)0.593 (2)-0.019 (2)0.046 (10)*O1W0.3466 (6)0.2769 (5)0.4204 (5)0.042 (2)*0.25H1W10.30210.28780.44180.064*0.25H2W10.34860.26310.37270.064*0.25	H27D	0.5739	0.5344	0.1201	0.038*	
H2NA 0.998 (2) 0.1156 (18) 0.5284 (18) 0.023 (9)*H1NB 0.0761 (19) 0.3090 (19) 0.3471 (17) 0.025 (8)*H2NB -0.018 (2) 0.3892 (18) 0.4936 (18) 0.028 (9)*H1NC 0.595 (2) 0.1273 (19) -0.1330 (18) 0.029 (9)*H2NC 0.482 (2) 0.0965 (17) 0.0007 (17) 0.028 (8)*H1ND 0.3206 (19) 0.6484 (17) 0.0539 (17) 0.027 (8)*H2ND 0.502 (2) 0.593 (2) -0.019 (2) 0.046 (10)*O1W 0.3466 (6) 0.2769 (5) 0.4204 (5) 0.042 (2)* 0.25 H1W1 0.3021 0.2878 0.4418 $0.064*$ 0.25 H2W1 0.3486 0.2631 0.3727 $0.064*$ 0.25	H1NA	1.193 (3)	0.200 (3)	0.490 (2)	0.065 (12)*	
H1NB0.0761 (19)0.3090 (19)0.3471 (17)0.025 (8)*H2NB-0.018 (2)0.3892 (18)0.4936 (18)0.028 (9)*H1NC0.595 (2)0.1273 (19)-0.1330 (18)0.029 (9)*H2NC0.482 (2)0.0965 (17)0.0007 (17)0.028 (8)*H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H2ND0.502 (2)0.593 (2)-0.019 (2)0.046 (10)*O1W0.3466 (6)0.2769 (5)0.4204 (5)0.042 (2)*0.25H1W10.30210.28780.44180.064*0.25H2W10.34860.26310.37270.064*0.25	H2NA	0.998 (2)	0.1156 (18)	0.5284 (18)	0.023 (9)*	
H2NB-0.018 (2)0.3892 (18)0.4936 (18)0.028 (9)*H1NC0.595 (2)0.1273 (19)-0.1330 (18)0.029 (9)*H2NC0.482 (2)0.0965 (17)0.0007 (17)0.028 (8)*H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H2ND0.502 (2)0.593 (2)-0.019 (2)0.046 (10)*O1W0.3466 (6)0.2769 (5)0.4204 (5)0.042 (2)*0.25H1W10.30210.28780.44180.064*0.25H2W10.34860.26310.37270.064*0.25	H1NB	0.0761 (19)	0.3090 (19)	0.3471 (17)	0.025 (8)*	
H1NC0.595 (2)0.1273 (19)-0.1330 (18)0.029 (9)*H2NC0.482 (2)0.0965 (17)0.0007 (17)0.028 (8)*H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H2ND0.502 (2)0.593 (2)-0.019 (2)0.046 (10)*O1W0.3466 (6)0.2769 (5)0.4204 (5)0.042 (2)*0.25H1W10.30210.28780.44180.064*0.25H2W10.34860.26310.37270.064*0.25	H2NB	-0.018 (2)	0.3892 (18)	0.4936 (18)	0.028 (9)*	
H2NC0.482 (2)0.0965 (17)0.0007 (17)0.028 (8)*H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H2ND0.502 (2)0.593 (2)-0.019 (2)0.046 (10)*O1W0.3466 (6)0.2769 (5)0.4204 (5)0.042 (2)*0.25H1W10.30210.28780.44180.064*0.25H2W10.34860.26310.37270.064*0.25	H1NC	0.595 (2)	0.1273 (19)	-0.1330 (18)	0.029 (9)*	
H1ND0.3206 (19)0.6484 (17)0.0539 (17)0.027 (8)*H2ND0.502 (2)0.593 (2)-0.019 (2)0.046 (10)*O1W0.3466 (6)0.2769 (5)0.4204 (5)0.042 (2)*0.25H1W10.30210.28780.44180.064*0.25H2W10.34860.26310.37270.064*0.25	H2NC	0.482 (2)	0.0965 (17)	0.0007 (17)	0.028 (8)*	
H2ND0.502 (2)0.593 (2)-0.019 (2)0.046 (10)*O1W0.3466 (6)0.2769 (5)0.4204 (5)0.042 (2)*0.25H1W10.30210.28780.44180.064*0.25H2W10.34860.26310.37270.064*0.25	H1ND	0.3206 (19)	0.6484 (17)	0.0539 (17)	0.027 (8)*	
O1W0.3466 (6)0.2769 (5)0.4204 (5)0.042 (2)*0.25H1W10.30210.28780.44180.064*0.25H2W10.34860.26310.37270.064*0.25	H2ND	0.502 (2)	0.593 (2)	-0.019 (2)	0.046 (10)*	
H1W10.30210.28780.44180.064*0.25H2W10.34860.26310.37270.064*0.25	O1W	0.3466 (6)	0.2769 (5)	0.4204 (5)	0.042 (2)*	0.25
H2W1 0.3486 0.2631 0.3727 0.064* 0.25	H1W1	0.3021	0.2878	0.4418	0.064*	0.25
	H2W1	0.3486	0.2631	0.3727	0.064*	0.25

Atomic displacement parameters $(Å^2)$

	U^{11}	U ²²	U^{33}	U^{12}	U^{13}	U^{23}
S1A	0.0232 (4)	0.0242 (4)	0.0232 (4)	0.0071 (3)	0.0038 (3)	0.0127 (3)
O1A	0.0481 (13)	0.0325 (12)	0.0348 (13)	0.0153 (10)	0.0233 (11)	0.0151 (10)
O2A	0.0354 (12)	0.0379 (12)	0.0329 (13)	0.0173 (10)	0.0087 (10)	0.0171 (10)

O3A	0.0362 (12)	0.0353 (12)	0.0205 (11)	0.0102 (10)	-0.0004 (9)	0.0107 (9)
O4A	0.0463 (13)	0.0289 (12)	0.0271 (12)	0.0157 (10)	0.0048 (10)	0.0081 (10)
N1A	0.0559 (17)	0.0210(13)	0.0194 (13)	0.0106 (12)	0.0119 (12)	0.0097 (11)
N2A	0.0248 (13)	0.0236 (13)	0.0206 (14)	0.0049 (10)	-0.0016 (11)	0.0117 (12)
N3A	0.0622 (19)	0.0297 (14)	0.0314 (16)	0.0118 (14)	0.0225 (15)	0.0152 (13)
N4A	0.0206 (12)	0.0213(12)	0.0179 (12)	0.0024 (9)	-0.0003(9)	0.0103 (10)
N5A	0.0223(12)	0.0290(13)	0.0265(13)	0.0028(10)	0.0023 (10)	0.0160 (11)
N6A	0.0218(12)	0.0291(13)	0.0308 (14)	0.0046(10)	0.0037(10)	0.0158 (11)
N7A	0.0271(14)	0.0231(14)	0.0468(17)	0.0044 (11)	-0.0104(12)	0.0085(13)
C1A	0.034(5)	0.045(4)	0.019(4)	-0.007(4)	0.004(4)	0.015(3)
C2A	0.031(5) 0.044(6)	0.055(5)	0.025(4)	-0.015(4)	0.001(4)	0.016(3)
C3A	0.037(7)	0.033(3)	0.020 (6)	-0.013(1)	-0.002(4)	0.010(1)
C1X	0.037(9)	0.075(4)	0.023(5)	0.012(5)	-0.019(6)	0.020(0) 0.010(4)
C2X	0.003(9)	0.023(1) 0.042(5)	0.013(5) 0.034(5)	0.012(5)	-0.025(5)	0.010(1) 0.005(4)
C3X	0.003(10) 0.081(11)	0.048(5)	0.027(6)	0.011(3) 0.033(7)	0.012 (6)	0.009(1) 0.018(4)
C4A	0.001(11) 0.046(2)	0.040(3)	0.027(0) 0.038(2)	0.033(7)	0.012(0)	0.010(4)
	0.040(2) 0.0353(18)	0.002(2)	0.038(2)	0.0100(15)	0.0044(17) 0.0059(14)	0.020(2)
C6A	0.0555(10)	0.0410(17)	0.0233(16)	0.0000(15)	0.0035(14)	0.0113(13)
$C7\Delta$	0.009(2)	0.0311(17) 0.0211(15)	0.0102(10) 0.0300(18)	0.0015(10)	0.0013(15)	0.0115(14) 0.0125(13)
	0.0370(18)	0.0233(15)	0.0300(18)	0.0113(13)	0.0179(13)	0.0125(13)
	0.0423(13) 0.0349(17)	0.0233(13) 0.0204(14)	0.0190(15)	0.0131(13) 0.0095(12)	0.0030(13) 0.0044(13)	0.0105(13)
	0.0349(17) 0.0231(14)	0.0204(14)	0.0190(15)	0.00000(12)	0.0044(13)	0.0105(12)
	0.0231(14) 0.0242(14)	0.0222(14) 0.0215(14)	0.0190(15)	0.0037(11) 0.0063(12)	0.0008(11) 0.0036(12)	0.0114(12) 0.0118(12)
$C12\Lambda$	0.0242(14)	0.0219(14)	0.0200(15)	0.0003(12)	-0.0036(12)	0.0110(12) 0.0002(12)
C12A	0.0190(14)	0.0209(14) 0.0253(15)	0.0207(15)	0.0012(11) 0.0004(12)	0.0030(11)	0.0092(12) 0.0125(13)
C14A	0.0204(14) 0.0224(15)	0.0235(13) 0.0356(17)	0.0230(10) 0.0346(18)	0.0004(12) 0.0053(13)	0.0010(12) 0.0029(13)	0.0125(13) 0.0175(15)
C14A	0.0224(13)	0.0330(17) 0.0228(15)	0.0340(18) 0.0325(17)	0.0035(13)	0.0029(13)	0.0173(13)
CI5A CI6A	0.0208(14) 0.0237(15)	0.0228(15)	0.0323(17) 0.0339(17)	0.0033(12) 0.0030(12)	0.0100(12) 0.0070(13)	0.0104(14)
	0.0237(13) 0.0317(17)	0.0230(15)	0.0339(17) 0.0370(18)	0.0030(12) 0.0107(13)	0.0070(13) 0.0083(14)	0.0170(14)
	0.0317(17) 0.0382(18)	0.0239(15) 0.0288(16)	0.0370(18)	0.0107(13) 0.0002(14)	0.0083(14) 0.0052(15)	0.0120(14)
	0.0332(13)	0.0288(10)	0.0330(18)	0.0032(14)	-0.0032(13)	0.0090(14)
C19A	0.0321(17)	0.0361(18)	0.0341(19)	0.0048(14)	0.0013(14)	0.0131(10) 0.0212(16)
C20A	0.0279(10)	0.0308(18) 0.0246(15)	0.042(2)	0.0139(14) 0.0007(12)	0.0090(14)	0.0212(10) 0.0132(13)
C21A	0.0293(10)	0.0240(13)	0.0300(17)	0.0097(13)	0.0090(13)	0.0132(13)
C22A	0.0238(13)	0.0211(14) 0.0261(15)	0.0223(13)	0.0050(12) 0.0061(12)	0.0033(12) 0.0068(12)	0.0133(12) 0.0132(14)
C23A	0.0280(10)	0.0201(13)	0.0280(17) 0.0224(18)	0.0001(13)	0.0008(15) 0.0122(15)	0.0132(14)
C24A	0.0403(19)	0.0280(10)	0.0324(18) 0.0210(16)	-0.0098(14)	0.0155(15) 0.0052(15)	0.0098(14) 0.0043(13)
C25A	0.049(2)	0.0239(10)	0.0210(10)	-0.0003(13)	-0.0032(13)	0.0043(13)
C20A	0.0300(17)	0.0283(10) 0.0260(15)	0.0243(17)	0.0042(14) 0.0045(12)	-0.0007(14)	0.0088(14)
C2/A S1D	0.0200(13)	0.0209(13)	0.0240(10)	0.0043(12)	0.0040(12)	0.0110(13)
	0.0342(4)	0.0249(4)	0.0228(4)	0.0088(3)	0.0039(3)	0.0148(3)
OID	0.0407(12)	0.0300(11)	0.0303(12)	0.0062(10)	0.0143(10)	0.0103(10)
020	0.0431(14)	0.0403(14)	0.0200(12)	0.0044(11)	0.0030(11)	0.0218(11)
03B 04D	0.0283(11)	0.0378(12)	0.0261(12)	0.0095(9)	0.0083(9)	0.0180(10)
U4D N1D	0.0404(12)	0.0198(10)	0.0430(14)	0.0049 (9)	0.0152(10)	0.0142(10)
INID NOD	0.0321(14)	0.0201(12) 0.0277(14)	0.0280(14) 0.0277(16)	0.0078(10) 0.0072(11)	0.0134(11) 0.0145(12)	0.0110(11) 0.0177(12)
INZD	0.0309(13)	0.0277(14)	0.0377(10)	0.0072(11)	0.0143(13)	0.0177(12)
NJB NJD	0.0232(13)	0.02/0(13)	0.0196(13)	0.0102(11)	0.0043(10)	0.0113(11)
1N4B	0.0216 (12)	0.0234 (12)	0.0163 (12)	0.0067(10)	0.0020 (10)	0.0066 (10)

N5B	0.0354 (14)	0.0285 (13)	0.0236 (14)	0.0139 (11)	-0.0007 (11)	0.0055 (11)
N6B	0.0324 (14)	0.0346 (14)	0.0218 (14)	0.0123 (12)	0.0032 (11)	0.0022 (12)
N7B	0.0312 (14)	0.0211 (13)	0.0197 (13)	-0.0010 (11)	0.0062 (11)	0.0078 (11)
C1B	0.0339 (17)	0.0249 (15)	0.0314 (17)	0.0074 (13)	0.0160 (14)	0.0126 (14)
C2B	0.0417 (19)	0.0280 (16)	0.0380 (19)	0.0128 (15)	0.0171 (15)	0.0177 (15)
C3B	0.0360 (19)	0.044 (2)	0.051 (2)	0.0141 (16)	0.0085 (16)	0.0250 (18)
C4B	0.041 (2)	0.0337 (19)	0.065 (3)	0.0020 (16)	-0.0092(18)	0.0177 (19)
C5B	0.0408 (19)	0.0210 (16)	0.057 (2)	0.0048 (14)	0.0005 (17)	0.0149 (16)
C6B	0.0258 (15)	0.0257 (15)	0.0327 (17)	0.0095 (13)	0.0122 (13)	0.0119 (14)
C7B	0.0408 (19)	0.0226 (15)	0.0263 (17)	0.0081 (13)	0.0170 (15)	0.0111 (13)
C8B	0.0295 (16)	0.0193 (14)	0.0230(15)	0.0052 (12)	0.0090 (12)	0.0082 (12)
C9B	0.0296 (16)	0.0204 (14)	0.0221(16)	0.0097(12)	0.0096(12)	0.0088(12)
C10B	0.0285(15)	0.0212(14)	0.0189(15)	0.0070(12)	0.0053(12)	0.0092(12)
C11B	0.0262(15)	0.0247(14)	0.0213(15)	0.0108(12)	0.0092(12)	0.0139(12)
C12B	0.0203(10) 0.0312(16)	0.0277(11) 0.0178(13)	0.0219(12) 0.0140(14)	0.0049(12)	-0.0014(12)	0.0133(12)
C13B	0.0212(10) 0.0223(15)	0.0303(16)	0.0191(15)	0.0019(12) 0.0051(13)	0.0024(12)	0.0031(11) 0.0043(13)
C14B	0.0225(15)	0.0344(17)	0.0227(16)	-0.0001(13)	0.0021(12) 0.0050(13)	0.0072(14)
C15B	0.0200(10) 0.0346(17)	0.0223(15)	0.0227(10)	0.0001(13)	0.0020(13) 0.0173(13)	0.0072(11) 0.0078(13)
C16B	0.0340(17) 0.0366(17)	0.0223(13) 0.0222(14)	0.0233(10) 0.0217(15)	0.0104(13) 0.0137(13)	0.0173(13)	0.0070(13) 0.0089(12)
C17B	0.0300(17) 0.0415(18)	0.0222(11)	0.0217(15)	0.0197(19) 0.0093(14)	0.0112(13) 0.0023(14)	0.0009(12) 0.0098(13)
C18B	0.0413(10)	0.0230(13) 0.0310(17)	0.0240(10) 0.0350(19)	0.0075(14)	-0.0025(14)	0.0095(15)
C10D	0.040(2)	0.0510(17)	0.0350(17)	0.0073(19)	-0.0102(17)	0.0099(13)
C20B	0.037(2)	0.030(2) 0.071(3)	0.031(2) 0.030(2)	0.0172(17)	0.0102(17) 0.0141(19)	0.0089(17) 0.0289(19)
C21B	0.071(3)	0.071(3)	0.030(2)	0.037(2) 0.0218(17)	0.0141(17)	0.0265(17)
C21D	0.030(2)	0.040(2)	0.0333(17)	0.0210(17)	0.0181(17)	0.0203(17) 0.0083(12)
C22D	0.0289(13) 0.0350(17)	0.0191(14) 0.0269(15)	0.0217(13) 0.0278(17)	0.0113(12) 0.0077(13)	0.0000(12)	0.0003(12)
C24B	0.0350(17)	0.0209(15)	0.0278(17) 0.0373(10)	0.0077(13)	0.0099(14)	0.0139(14)
C24D C25B	0.0303(18) 0.0317(17)	0.0208(10)	0.0375(19)	0.0030(14)	0.0129(13)	0.0122(13) 0.0058(15)
C25D	0.0317(17)	0.0273(10)	0.0375(19)	0.0028(14)	-0.0011(14)	0.0038(13)
C20B	0.0394(19)	0.0308(17)	0.0300(18)	0.0049(14)	-0.0013(14)	0.0109(13)
C2/D S1C	0.0337(17)	0.0223(13)	0.0240(10)	0.0030(13)	0.0004(13)	0.0091(13)
010	0.0299(4)	0.0212(4)	0.0203(4)	0.0079(3)	0.0039(3)	0.0080(3)
	0.0390(14)	0.0383(10)	0.0310(10)	0.0172(12)	0.0232(12)	0.0230(13)
020	0.0431(14)	0.0395(13)	0.0391(14)	0.0103(12)	0.0177(12)	0.0091(12)
030	0.0240(11)	0.0333(12)	0.0291(13)	0.0042(9)	0.0037(9)	0.0109(10)
04C	0.0427(13)	0.0402(15)	0.0393(13)	0.0149(11)	-0.0074(11)	0.0181(11)
NIC	0.0264(14)	0.0393(15)	0.045/(17)	0.0119(12)	0.0175(15)	0.0270(14)
N2C	0.0346 (16)	0.062(2)	0.052(2)	0.0147 (15)	0.0224 (15)	0.0296 (17)
N3C	0.0225 (13)	0.0217(12)	0.0211 (13)	0.0018(10)	0.0028(11)	0.0068 (10)
N4C	0.0220 (12)	0.0195 (12)	0.0194 (12)	0.0022 (10)	0.0015 (10)	0.0080 (10)
NSC	0.0399 (15)	0.0253 (13)	0.0245 (14)	0.0003 (11)	0.0002 (12)	0.0127 (11)
N6C	0.0360 (14)	0.0316 (14)	0.0202 (13)	-0.0018 (11)	0.0024 (11)	0.0117 (11)
N/C	0.0279 (14)	0.0342 (15)	0.0191 (13)	0.0096 (12)	0.0036 (11)	0.0122 (12)
CIC	0.040 (2)	0.049 (2)	0.053 (2)	0.0169 (17)	0.0129 (17)	0.0319 (19)
C2C	0.042 (2)	0.049 (2)	0.053 (2)	0.0106 (17)	0.0084 (18)	0.020 (2)
C3C	0.0249 (18)	0.074 (3)	0.047 (2)	0.0086 (18)	0.0055 (16)	0.025 (2)
C4C	0.0234 (18)	0.087 (3)	0.059 (3)	0.0050 (19)	0.0008 (17)	0.049 (2)
C5C	0.0239 (17)	0.059 (2)	0.064 (3)	0.0033 (16)	0.0026 (17)	0.042 (2)
C6C	0.0179 (15)	0.0454 (19)	0.047 (2)	0.0082 (14)	0.0102 (14)	0.0268 (17)

C7C	0.0368 (19)	0.0317 (17)	0.047 (2)	0.0162 (15)	0.0199 (17)	0.0207 (17)
C8C	0.0267 (16)	0.0289 (16)	0.0382 (19)	0.0096 (13)	0.0121 (14)	0.0194 (15)
C9C	0.0255 (15)	0.0231 (15)	0.0338 (19)	0.0065 (12)	0.0075 (13)	0.0166 (14)
C10C	0.0276 (15)	0.0214 (14)	0.0253 (16)	0.0051 (12)	0.0075 (12)	0.0117 (13)
C11C	0.0238 (14)	0.0187 (14)	0.0228 (15)	0.0049 (11)	0.0075 (12)	0.0086 (12)
C12C	0.0278 (15)	0.0249 (15)	0.0172 (15)	0.0016 (12)	-0.0038(12)	0.0101 (12)
C13C	0.0234 (15)	0.0332 (17)	0.0156 (15)	-0.0042(12)	-0.0029(12)	0.0114 (13)
C14C	0.0265 (16)	0.0397 (18)	0.0186 (15)	0.0037 (13)	0.0040 (12)	0.0091 (14)
C15C	0.0277 (16)	0.0271 (15)	0.0268 (16)	0.0033 (13)	0.0045 (13)	0.0170 (14)
C16C	0.0273 (15)	0.0229 (14)	0.0252 (16)	0.0017 (12)	0.0039 (12)	0.0138 (13)
C17C	0.0327 (17)	0.0239 (15)	0.0347 (18)	0.0037 (13)	-0.0020(14)	0.0118 (14)
C18C	0.0378 (19)	0.0325 (18)	0.041 (2)	0.0010 (15)	-0.0139 (16)	0.0155 (16)
C19C	0.054 (2)	0.0313 (18)	0.0261 (18)	-0.0091 (16)	-0.0094 (16)	0.0083 (15)
C20C	0.049 (2)	0.0311 (18)	0.0320 (19)	-0.0014 (16)	0.0083 (16)	0.0082 (15)
C21C	0.0352 (17)	0.0288 (16)	0.0310 (18)	0.0033 (14)	0.0069 (14)	0.0124 (14)
C22C	0.0241 (15)	0.0224 (14)	0.0281 (16)	0.0029 (12)	0.0056 (12)	0.0132 (13)
C23C	0.0422 (18)	0.0231 (15)	0.0326 (18)	0.0098 (14)	-0.0008 (14)	0.0126 (14)
C24C	0.054 (2)	0.0298 (17)	0.0330 (19)	0.0019 (16)	-0.0104 (16)	0.0143 (15)
C25C	0.0368 (19)	0.042 (2)	0.051 (2)	0.0013 (16)	-0.0110 (17)	0.0285 (19)
C26C	0.0275 (17)	0.0404 (19)	0.056 (2)	0.0128 (15)	0.0066 (16)	0.0254 (18)
C27C	0.0272 (16)	0.0325 (17)	0.0349 (18)	0.0066 (13)	0.0050 (14)	0.0156 (15)
S1D	0.0302 (4)	0.0243 (4)	0.0256 (4)	0.0069 (3)	0.0088 (3)	0.0131 (3)
01D	0.0602 (16)	0.0350 (13)	0.0376 (14)	0.0171 (12)	0.0295 (12)	0.0172 (11)
O2D	0.0384 (13)	0.0338 (12)	0.0449 (15)	0.0114 (11)	0.0188 (11)	0.0160 (12)
O3D	0.0349 (13)	0.0419 (13)	0.0197 (11)	0.0028 (10)	0.0059 (9)	0.0094 (10)
O4D	0.0606 (15)	0.0336 (12)	0.0302 (12)	0.0125 (11)	-0.0001 (11)	0.0197 (11)
N1D	0.0503 (16)	0.0297 (14)	0.0236 (14)	0.0234 (13)	0.0186 (12)	0.0154 (12)
N2D	0.0631 (19)	0.0424 (16)	0.0319 (16)	0.0243 (15)	0.0277 (15)	0.0222 (14)
N3D	0.0313 (14)	0.0221 (12)	0.0176 (13)	0.0004 (10)	0.0039 (11)	0.0055 (11)
N4D	0.0271 (13)	0.0218 (12)	0.0154 (12)	0.0030 (10)	0.0028 (10)	0.0061 (10)
N5D	0.0266 (13)	0.0283 (13)	0.0283 (14)	0.0061 (11)	0.0038 (11)	0.0090 (12)
N6D	0.0253 (13)	0.0332 (14)	0.0274 (14)	0.0066 (11)	0.0047 (11)	0.0069 (12)
N7D	0.0260 (13)	0.0305 (14)	0.0227 (14)	0.0025 (11)	0.0018 (11)	0.0149 (12)
C1D	0.073 (3)	0.049 (2)	0.0204 (17)	0.037 (2)	0.0065 (17)	0.0115 (16)
C2D	0.069 (3)	0.083 (3)	0.0243 (19)	0.050 (2)	0.0074 (18)	0.020 (2)
C3D	0.046 (2)	0.064 (2)	0.0220 (17)	0.0215 (19)	0.0064 (15)	0.0102 (17)
C4D	0.0425 (19)	0.047 (2)	0.0269 (18)	0.0125 (16)	0.0141 (15)	0.0164 (16)
C5D	0.0411 (18)	0.0405 (18)	0.0242 (16)	0.0179 (15)	0.0128 (14)	0.0192 (15)
C6D	0.050 (2)	0.0385 (18)	0.0151 (15)	0.0247 (16)	0.0131 (14)	0.0115 (14)
C7D	0.0434 (19)	0.0307 (17)	0.0337 (19)	0.0204 (15)	0.0246 (16)	0.0190 (15)
C8D	0.0401 (18)	0.0282 (16)	0.0226 (16)	0.0165 (14)	0.0135 (13)	0.0140 (13)
C9D	0.0353 (18)	0.0286 (16)	0.0236 (16)	0.0130 (14)	0.0094 (13)	0.0130 (13)
C10D	0.0299 (16)	0.0243 (15)	0.0194 (15)	0.0059 (12)	0.0065 (12)	0.0091 (12)
C11D	0.0347 (16)	0.0194 (14)	0.0190 (15)	0.0061 (12)	0.0081 (12)	0.0071 (12)
C12D	0.0235 (15)	0.0277 (15)	0.0196 (15)	0.0058 (12)	0.0011 (12)	0.0112 (13)
C13D	0.0227 (15)	0.0350 (17)	0.0176 (15)	0.0047 (13)	0.0012 (12)	0.0084 (13)
C14D	0.0248 (16)	0.0461 (19)	0.0209 (16)	0.0006 (14)	0.0023 (13)	0.0105 (14)
C15D	0.0380 (17)	0.0263 (15)	0.0220 (16)	0.0136 (13)	0.0104 (13)	0.0104 (13)

C16D	0.0371 (17)	0.0258 (15)	0.0218 (16)	-0.0002 (13)	0.0061 (13)	0.0075 (13)	
C17D	0.0342 (17)	0.0309 (16)	0.0283 (17)	0.0037 (14)	0.0023 (14)	0.0147 (14)	
C18D	0.047 (2)	0.054 (2)	0.0270 (19)	0.0055 (18)	-0.0012 (16)	0.0116 (17)	
C19D	0.042 (6)	0.037 (6)	0.040 (5)	0.007 (4)	0.000 (4)	0.007 (4)	
C20D	0.035 (5)	0.041 (6)	0.050 (5)	-0.010 (4)	0.005 (4)	0.008 (4)	
C21D	0.052 (6)	0.040 (6)	0.025 (4)	-0.002 (5)	0.011 (4)	0.016 (4)	
C19X	0.029 (5)	0.046 (7)	0.039 (5)	-0.002 (4)	-0.008 (4)	0.003 (5)	
C20X	0.031 (5)	0.045 (6)	0.043 (5)	-0.009 (4)	0.003 (4)	0.021 (4)	
C21X	0.029 (5)	0.028 (5)	0.034 (4)	0.006 (3)	0.005 (3)	0.009 (4)	
C22D	0.0418 (18)	0.0223 (15)	0.0178 (15)	0.0111 (13)	0.0046 (13)	0.0069 (12)	
C23D	0.050(2)	0.0271 (16)	0.0321 (18)	0.0056 (15)	-0.0063 (15)	0.0144 (15)	
C24D	0.061 (2)	0.0307 (18)	0.033 (2)	0.0085 (17)	-0.0130 (17)	0.0042 (16)	
C25D	0.072 (3)	0.044 (2)	0.0209 (17)	0.031 (2)	0.0019 (17)	0.0125 (16)	
C26D	0.061 (2)	0.046 (2)	0.0260 (18)	0.0286 (19)	0.0171 (17)	0.0195 (16)	
C27D	0.0440 (19)	0.0318 (17)	0.0272 (17)	0.0139 (14)	0.0125 (14)	0.0166 (14)	

Geometric parameters (Å, °)

S1A—C12A	1.746 (3)	S1C—C10C	1.837 (3)	
S1A—C10A	1.852 (3)	O1C—N2C	1.376 (4)	
O1A—N3A	1.359 (3)	O1C—C7C	1.412 (4)	
O1A—C7A	1.415 (3)	O2C—C7C	1.208 (4)	
O2A—C7A	1.211 (4)	O3C—C9C	1.224 (3)	
O3A—C9A	1.216 (3)	O4C—C15C	1.226 (3)	
O4A—C15A	1.230 (3)	N1C—N2C	1.295 (4)	
N1A—N3A	1.305 (4)	N1C—C8C	1.361 (4)	
N1A—C8A	1.364 (4)	N1C—C6C	1.454 (4)	
N1A—C6A	1.443 (4)	N3C—N4C	1.415 (3)	
N2A—N4A	1.412 (3)	N3C—C11C	1.476 (3)	
N2A—C11A	1.474 (4)	N3C—H2NC	0.91 (3)	
N2A—H2NA	0.78 (3)	N4C—C12C	1.357 (4)	
N4A—C12A	1.354 (3)	N4C—C13C	1.359 (3)	
N4A—C13A	1.361 (3)	N5C—C12C	1.312 (4)	
N5A—C12A	1.309 (3)	N5C—N6C	1.408 (4)	
N5A—N6A	1.394 (3)	N6C—C13C	1.314 (4)	
N6A—C13A	1.302 (3)	N7C—C15C	1.343 (4)	
N7A—C15A	1.336 (4)	N7C—C14C	1.453 (4)	
N7A—C14A	1.454 (4)	N7C—H1NC	0.80 (3)	
N7A—H1NA	0.94 (4)	C1C—C6C	1.372 (5)	
C1A—C6A	1.378 (10)	C1C—C2C	1.378 (5)	
C1A—C2A	1.391 (12)	C1C—H1CA	0.9300	
C1A—H1AA	0.9300	C2C—C3C	1.377 (5)	
C2A—C3A	1.364 (19)	C2C—H2CA	0.9300	
C2A—H2AA	0.9300	C3C—C4C	1.382 (5)	
C3A—C4A	1.482 (19)	СЗС—НЗСА	0.9300	
СЗА—НЗАА	0.9300	C4C—C5C	1.384 (5)	
C1X—C2X	1.391 (12)	C4C—H4CA	0.9300	
C1X—C6A	1.431 (11)	C5C—C6C	1.372 (4)	

C1X—H1XA	0.9300	С5С—Н5СА	0.9300
C2X—C3X	1.356 (19)	C7C—C8C	1.408 (5)
C2X—H2XA	0.9300	C8C—C9C	1.453 (4)
C3X—C4A	1.325 (18)	C9C—C10C	1.521 (4)
С3Х—Н3ХА	0.9300	C10C—C11C	1.535 (4)
C4A—C5A	1.379 (5)	C10C—H10C	0.9800
C4A—H4AA	0.9300	C11C—C22C	1.514 (4)
C5A—C6A	1.371 (5)	C11C—H11C	0.9800
С5А—Н5АА	0.9300	C13C—C14C	1.480 (4)
C7A—C8A	1.409 (4)	C14C—H14E	0.9700
C8A—C9A	1.463 (4)	C14C—H14F	0.9700
C9A—C10A	1.528 (4)	C15C—C16C	1.495 (4)
C10A—C11A	1.537 (4)	C16C—C21C	1.383 (4)
C10A—H10A	0.9800	C16C—C17C	1.397 (4)
C11A—C22A	1.522 (4)	C17C—C18C	1.381 (4)
C11A—H11A	0.9800	C17C—H17C	0.9300
C13A—C14A	1.491 (4)	C18C—C19C	1.375 (5)
C14A—H14A	0.9700	C18C—H18C	0.9300
C14A—H14B	0.9700	C19C—C20C	1.380 (5)
C15A—C16A	1.501 (4)	С19С—Н19С	0.9300
C16A—C17A	1.389 (4)	C20C—C21C	1.371 (4)
C16A—C21A	1.393 (4)	C20C—H20C	0.9300
C17A—C18A	1.384 (4)	C21C—H21C	0.9300
C17A—H17A	0.9300	C22C—C27C	1.384 (4)
C18A—C19A	1.388 (4)	C22C—C23C	1.394 (4)
C18A—H18A	0.9300	C23C—C24C	1.396 (4)
C19A—C20A	1.381 (4)	С23С—Н23С	0.9300
C19A—H19A	0.9300	C24C—C25C	1.379 (5)
C20A—C21A	1.378 (4)	C24C—H24C	0.9300
C20A—H20A	0.9300	C25C—C26C	1.377 (5)
C21A—H21A	0.9300	С25С—Н25С	0.9300
C22A—C27A	1.386 (4)	C26C—C27C	1.384 (4)
C22A—C23A	1.389 (4)	С26С—Н26С	0.9300
C23A—C24A	1.384 (4)	С27С—Н27С	0.9300
С23А—Н23А	0.9300	S1D—C12D	1.743 (3)
C24A—C25A	1.385 (4)	S1D-C10D	1.839 (3)
C24A—H24A	0.9300	O1D—N2D	1.365 (4)
C25A—C26A	1.373 (4)	O1D—C7D	1.411 (4)
С25А—Н25А	0.9300	O2D—C7D	1.208 (4)
C26A—C27A	1.387 (4)	O3D—C9D	1.222 (3)
C26A—H26A	0.9300	O4D—C15D	1.230 (3)
С27А—Н27А	0.9300	N1D—N2D	1.305 (3)
S1B—C12B	1.737 (3)	N1D—C8D	1.353 (4)
S1B—C10B	1.855 (3)	N1D—C6D	1.449 (4)
O1B—N2B	1.370 (3)	N3D—N4D	1.417 (3)
O1B—C7B	1.419 (3)	N3D—C11D	1.481 (4)
O2B—C7B	1.208 (4)	N3D—H2ND	0.95 (4)
	1 215 (2)	NAD C12D	1 24 ((4)

O4B—C15B	1.233 (3)	N4D—C12D	1.361 (3)
N1B—N2B	1.301 (3)	N5D—C12D	1.306 (4)
N1B—C8B	1.364 (4)	N5D—N6D	1.408 (3)
N1B—C6B	1.451 (4)	N6D—C13D	1.317 (4)
N3B—N4B	1403(3)	N7D-C15D	1 339 (4)
N3B—C11B	1 491 (4)	N7D-C14D	1.655(4)
N3B—H2NB	0.88(3)	N7D—H1ND	0.89(3)
N4B—C12B	1.358(3)	C1D-C6D	1.366(4)
N4B—C13B	1.363(3)	C1D-C2D	1.300(4) 1.379(5)
N5B_C12B	1.303(3) 1.302(4)	C1D_H1DA	0.9300
N5B N6B	1.302(4) 1.410(4)	$C^{2}D$ $C^{3}D$	1 386 (5)
N6B-C13B	1.410(4) 1 208 (4)	C2D - H2DA	0.9300
N7P C15P	1.296(4) 1.346(4)	C_{2D} C_{4D}	1.385(5)
N7B C14B	1.340(4)	C_{3D} H_{3DA}	1.385(3)
N7D H1ND	1.450(4)	C4D C5D	0.3300
N/B—HINB CIP C2P	0.80(3) 1.270(4)	C4D = H4DA	1.372(4)
CIB-C2B	1.379 (4)	C4D—H4DA	0.9300
CID LIDA	1.379 (4)		1.391 (4)
CIB—HIBA	0.9300	C5D—H5DA	0.9300
C2B—C3B	1.381 (5)	C/D-C8D	1.412 (4)
C2B—H2BA	0.9300	C8D—C9D	1.452 (4)
C3B—C4B	1.383 (5)	C9D—C10D	1.526 (4)
C3B—H3BA	0.9300	C10D—C11D	1.537 (4)
C4B—C5B	1.384 (5)	C10D—H10D	0.9800
C4B—H4BA	0.9300	C11D—C22D	1.513 (4)
C5B—C6B	1.366 (4)	C11D—H11D	0.9800
C5B—H5BA	0.9300	C13D—C14D	1.485 (4)
C7B—C8B	1.413 (4)	C14D—H14G	0.9700
C8B—C9B	1.449 (4)	C14D—H14H	0.9700
C9B—C10B	1.526 (4)	C15D—C16D	1.481 (4)
C10B—C11B	1.535 (4)	C16D—C17D	1.381 (4)
C10B—H10B	0.9800	C16D—C21X	1.415 (9)
C11B—C22B	1.520 (4)	C16D-C21D	1.419 (10)
C11B—H11B	0.9800	C17D—C18D	1.382 (4)
C13B—C14B	1.480 (4)	C17D—H17D	0.9300
C14B—H14C	0.9700	C18D—C19D	1.330 (11)
C14B—H14D	0.9700	C18D—C19X	1.460 (13)
C15B—C16B	1.492 (4)	C18D—H18D	0.9300
C16B—C17B	1.384 (4)	C19D-C20D	1.381 (14)
C16B—C21B	1.393 (4)	C19D—H19D	0.9300
C17B—C18B	1.383 (4)	C20D-C21D	1.391 (12)
C17B—H17B	0.9300	C20D—H20D	0.9300
C18B—C19B	1.375 (5)	C21D—H21D	0.9300
C18B—H18B	0.9300	C19X—C20X	1.368 (13)
C19B—C20B	1.372 (5)	C19X—H19E	0.9300
C19B—H19B	0.9300	C20X - C21X	1.392 (12)
C20B—C21B	1.382 (5)	C20X—H20E	0.9300
C20B—H20B	0.9300	C21X—H21E	0.9300
C21B—H21B	0.9300	$C^{22}D = C^{23}D$	1 380 (4)
	0.2000		

C22B—C27B	1.385 (4)	C22D—C27D	1.395 (4)
C22B—C23B	1.387 (4)	C23D—C24D	1.396 (4)
C23B—C24B	1.380 (4)	C23D—H23D	0.9300
C23B—H23B	0.9300	C24D—C25D	1.377 (5)
C24B—C25B	1.382 (4)	C24D—H24D	0.9300
C24B—H24B	0.9300	C25D—C26D	1.368 (5)
C25B—C26B	1.372 (4)	C25D—H25D	0.9300
C25B—H25B	0.9300	C_{26D} C_{27D}	1 370 (4)
C_{25B} C_{27B}	1.382(4)	C26D—H26D	0.9300
C_{26B} H_{26B}	0.9300	C27D H27D	0.9300
C27B_H27B	0.9300	O1W H1W1	0.8515
S1C-C12C	1.740(3)	O1W H1W1 O1W H2W1	0.8514
510-0120	1.740 (3)	01 W—112 W 1	0.0014
C12A—S1A—C10A	99.95 (12)	N2C—01C—C7C	110.3 (2)
N3A—O1A—C7A	110.6 (2)	N2C—N1C—C8C	114.7 (3)
N3A—N1A—C8A	114.1 (3)	N2C—N1C—C6C	116.4 (3)
N3A—N1A—C6A	116.0 (2)	C8C—N1C—C6C	128.8 (3)
C8A—N1A—C6A	129.7 (3)	N1C—N2C—O1C	105.1 (2)
N4A—N2A—C11A	109.0 (2)	N4C—N3C—C11C	109.9 (2)
N4A—N2A—H2NA	109 (2)	N4C—N3C—H2NC	107.0 (19)
C11A—N2A—H2NA	110 (2)	C11C—N3C—H2NC	105.9 (19)
N1A—N3A—O1A	105.5(2)	C12C - N4C - C13C	106.1 (2)
C12A - N4A - C13A	105.9(2)	C12C - N4C - N3C	1289(2)
C12A - N4A - N2A	103.9(2) 128.2(2)	C13C - N4C - N3C	120.5(2) 124.6(2)
$C_{12}A = N_4A = N_2A$	125.2(2)	C12C - N5C - N6C	124.0(2) 1059(2)
C12A = N5A = N6A	125.0(2) 106.0(2)	C12C = N5C = N5C	103.9(2) 107.9(2)
$C_{12A} = N_{6A} = N_{5A}$	100.0(2) 108.4(2)	C15C - N7C - C14C	107.9(2) 1201(3)
C15A - N7A - C14A	100.4(2) 121.3(3)	C15C - N7C - C14C	120.1(3) 123(2)
C15A N7A $H1NA$	121.3(3)	C14C N7C H1NC	125(2)
C14A N7A $H1NA$	122(2) 116(2)	$C_{1+C} = N/C = M/C$	110(2) 1185(3)
C6A $C1A$ $C2A$	110(2) 1128(8)		120.8
C6A $C1A$ $H1AA$	112.6 (0)	$C_{2}C_{1}C_{2}H_{1}C_{1}$	120.8
C_{2A} C_{1A} H_{1AA}	123.0	C_2C C_2C C_1C	120.8 120.5(4)
$C_{2A} = C_{1A} = M_{1A}$	123.0 121.7(10)	$C_{3}C_{-}C_{2}C_{-}C_{1$	120.3 (4)
$C_{2A} = C_{2A} = C_{1A}$	121.7 (10)	$C_{3}C_{-}C_{2}C_{-}H_{2}C_{A}$	119.8
$C_{1A} = C_{2A} = H_{2AA}$	119.2	C1C - C2C - C4C	119.0
C1A - C2A - HZAA	119.2 123 4 (11)	$C_2C = C_3C = C_4C$	119.0 (4)
$C_{2A} = C_{3A} = C_{4A}$	125.4 (11)	$C_2C = C_3C = H_2C_A$	120.1
C_{2A} C_{3A} C_{3A} C_{3A} C_{3A} C_{3A}	110.5	C4C - C3C - H3CA	120.1
C4A - C3A - H3AA	110.5	$C_{3}C_{-}C_{4}C_{-}C_{3}C_{-}C_{4}C_{-}C_{5}C_{-}C_{4}C_{-}C_{5}C_{-}C_{-$	120.0 (3)
C_{2X} C_{1X} C_{0X} C_{1X} C_{0X} C_{1X} C	122.1 (7)	$C_{3}C_{-}C_{4}C_{-}H_{4}C_{A}$	119.7
C_{2X} — C_{1X} — H_{1XA}	119.0	$C_{5}C_{-}C_{4}C_{-}H_{4}C_{A}$	119.7
$C6A \rightarrow C1X \rightarrow H1XA$	119.0	C6C - C5C - C4C	117.9 (3)
$U_{3X} = U_{2X} = U_{1X}$	119.8 (10)	COU-COU-HOCA	121.0
C3X—C2X—H2XA	120.1	C4C—C5C—H5CA	121.0
CIX—C2X—H2XA	120.1	C1C—C6C—C5C	122.7 (3)
C4A—C3X—C2X	117.4 (13)	CIC—C6C—NIC	118.3 (3)
С4А—С3Х—Н3ХА	121.3	C5C—C6C—N1C	118.9 (3)
C2X—C3X—H3XA	121.3	O2C—C7C—C8C	135.7 (3)

C3X—C4A—C5A	125.2 (8)	O2C—C7C—O1C	120.0 (3)
C3X—C4A—C3A	22.9 (7)	C8C—C7C—O1C	104.3 (3)
C5A—C4A—C3A	113.2 (7)	N1C—C8C—C7C	105.6 (3)
С3Х—С4А—Н4АА	108.2	N1CC8CC9C	124.7 (3)
С5А—С4А—Н4АА	123.4	C7C—C8C—C9C	127.8 (3)
СЗА—С4А—Н4АА	123.4	O3C—C9C—C8C	123.6 (3)
C6A—C5A—C4A	119.2 (3)	O3C—C9C—C10C	122.0 (3)
С6А—С5А—Н5АА	120.4	C8C—C9C—C10C	114.4 (3)
С4А—С5А—Н5АА	120.4	C9C—C10C—C11C	112.0 (2)
C5A—C6A—C1A	127.7 (5)	C9C—C10C—S1C	108.24 (18)
C5A—C6A—C1X	114.1 (5)	C11C—C10C—S1C	115.31 (18)
C1A—C6A—C1X	32.9 (5)	C9C—C10C—H10C	106.9
C5A—C6A—N1A	118.9 (3)	C11C—C10C—H10C	106.9
C1A—C6A—N1A	110.3 (6)	S1C-C10C-H10C	106.9
C1X—C6A—N1A	125.5 (4)	N3C—C11C—C22C	110.9 (2)
O2A—C7A—C8A	135.7 (3)	N3C-C11C-C10C	113.5 (2)
O2A—C7A—O1A	120.1 (3)	C22C—C11C—C10C	115.5 (2)
C8A—C7A—O1A	104.2 (2)	N3C—C11C—H11C	105.3
N1A—C8A—C7A	105.5 (3)	C22C—C11C—H11C	105.3
N1A—C8A—C9A	126.0 (3)	C10C—C11C—H11C	105.3
C7A—C8A—C9A	128.4 (3)	N5C—C12C—N4C	110.8 (3)
O3A—C9A—C8A	122.8 (3)	N5C—C12C—S1C	124.9 (2)
O3A—C9A—C10A	122.7 (3)	N4C—C12C—S1C	123.9 (2)
C8A—C9A—C10A	114.5 (2)	N6C—C13C—N4C	109.3 (3)
C9A—C10A—C11A	111.6 (2)	N6C—C13C—C14C	126.3 (3)
C9A—C10A—S1A	107.49 (18)	N4C—C13C—C14C	124.3 (3)
C11A—C10A—S1A	114.83 (18)	N7C—C14C—C13C	111.7 (2)
C9A—C10A—H10A	107.5	N7C—C14C—H14E	109.3
C11A—C10A—H10A	107.5	C13C—C14C—H14E	109.3
S1A-C10A-H10A	107.5	N7C—C14C—H14F	109.3
N2A—C11A—C22A	109.3 (2)	C13C—C14C—H14F	109.3
N2A—C11A—C10A	113.9 (2)	H14E—C14C—H14F	107.9
C22A—C11A—C10A	115.4 (2)	O4C—C15C—N7C	122.0 (3)
N2A—C11A—H11A	105.8	O4C—C15C—C16C	121.8 (3)
C22A—C11A—H11A	105.8	N7C—C15C—C16C	116.2 (2)
C10A—C11A—H11A	105.8	C21C—C16C—C17C	120.1 (3)
N5A—C12A—N4A	110.5 (2)	C21C—C16C—C15C	117.6 (3)
N5A—C12A—S1A	124.6 (2)	C17C—C16C—C15C	122.3 (3)
N4A—C12A—S1A	124.68 (19)	C18C—C17C—C16C	118.6 (3)
N6A—C13A—N4A	109.1 (2)	C18C—C17C—H17C	120.7
N6A—C13A—C14A	126.8 (3)	C16C—C17C—H17C	120.7
N4A—C13A—C14A	124.0 (2)	C19C—C18C—C17C	120.6 (3)
N7A—C14A—C13A	112.6 (3)	C19C—C18C—H18C	119.7
N7A—C14A—H14A	109.1	C17C—C18C—H18C	119.7
C13A—C14A—H14A	109.1	C18C—C19C—C20C	120.7 (3)
N7A—C14A—H14B	109.1	C18C—C19C—H19C	119.6
C13A—C14A—H14B	109.1	C20C—C19C—H19C	119.6
H14A—C14A—H14B	107.8	C21C—C20C—C19C	119.2 (3)
			. /

O4A—C15A—N7A	121.9 (3)	C21C—C20C—H20C	120.4
O4A—C15A—C16A	121.3 (2)	C19C—C20C—H20C	120.4
N7A—C15A—C16A	116.8 (3)	C20C—C21C—C16C	120.7 (3)
C17A—C16A—C21A	119.5 (3)	C20C—C21C—H21C	119.7
C17A—C16A—C15A	123.4 (3)	C16C—C21C—H21C	119.7
C21A—C16A—C15A	117.1 (3)	C27C—C22C—C23C	118.5 (3)
C18A - C17A - C16A	120.0(3)	$C_{27}C_{-C_{22}}C_{-C_{11}}C_{$	117.7(3)
C18A - C17A - H17A	120.0	$C_{23}C_{-}C_{22}C_{-}C_{11}C_{$	1237(3)
C16A - C17A - H17A	120.0	$C_{22}C_{-}C_{23}C_{-}C_{24}C_{$	120.7(3)
C17A - C18A - C19A	120.0(3)	$C_{22}C_{-}C_{23}C_{-}H_{23}C_{-}$	119.9
C17A - C18A - H18A	120.0 (3)	$C_{24}C_{-}C_{23}C_{-}H_{23}C_{-}$	119.9
$C_{10A} = C_{10A} = H_{18A}$	120.0	$C_{24}C_{-}C_{23}C_{$	119.9 120.2(3)
$C_{10A} = C_{10A} = C_{10A} = C_{10A}$	120.0 120.2(3)	$C_{23}C_{}C_{24}C_{}C_{23}C_{}C_{2$	120.2 (3)
$C_{20A} = C_{19A} = C_{18A}$	120.2 (5)	$C_{23}C_{-}C_{24}C_{-}H_{24}C_{-}$	119.9
$C_{20}A = C_{10}A = H_{10}A$	119.9	$C_{23}C_{}C_{24}C_{}H_{24}C_{}$	119.9
C18A - C19A - H19A	119.9	$C_{26}C_{}C_{25}C_{}C_{24}C_{}C_{24}C_{}C_{25}C_{}C_{24}C_{}C_{}C_{24}C_{-$	119.8 (3)
$C_2IA = C_2OA = C_1OA$	120.0 (3)	$C_{26}C_{}C_{25}C_{}H_{25}C_{}$	120.1
C21A—C20A—H20A	120.0	C24C—C25C—H25C	120.1
C19A—C20A—H20A	120.0	C25C—C26C—C27C	120.2 (3)
C20A—C21A—C16A	120.4 (3)	C25C—C26C—H26C	119.9
C20A—C21A—H21A	119.8	C27C—C26C—H26C	119.9
C16A—C21A—H21A	119.8	C26C—C27C—C22C	121.1 (3)
C27A—C22A—C23A	118.8 (3)	С26С—С27С—Н27С	119.4
C27A—C22A—C11A	123.5 (2)	С22С—С27С—Н27С	119.4
C23A—C22A—C11A	117.6 (2)	C12D—S1D—C10D	100.30 (13)
C24A—C23A—C22A	120.7 (3)	N2D—O1D—C7D	110.6 (2)
C24A—C23A—H23A	119.7	N2D—N1D—C8D	113.7 (3)
С22А—С23А—Н23А	119.7	N2D—N1D—C6D	116.9 (2)
C23A—C24A—C25A	119.9 (3)	C8D—N1D—C6D	129.3 (2)
C23A—C24A—H24A	120.1	N1D—N2D—O1D	105.7 (2)
C25A—C24A—H24A	120.1	N4D—N3D—C11D	109.9 (2)
C26A—C25A—C24A	119.8 (3)	N4D—N3D—H2ND	112 (2)
C26A—C25A—H25A	120.1	C11D—N3D—H2ND	101 (2)
С24А—С25А—Н25А	120.1	C13D—N4D—C12D	105.9 (2)
C25A—C26A—C27A	120.4 (3)	C13D—N4D—N3D	125.5 (2)
C25A—C26A—H26A	119.8	C12D—N4D—N3D	128.3(2)
C27A—C26A—H26A	119.8	C12D—N5D—N6D	106.2(2)
$C_{22}A - C_{27}A - C_{26}A$	120 3 (3)	C13D = N6D = N6D	100.2(2) 107.2(2)
C_{22A} C_{27A} H_{27A}	119.8	C15D = N7D = C14D	107.2(2) 1203(2)
$C_{26A} = C_{27A} = H_{27A}$	119.8	C15D = N7D = C11D C15D = N7D = H1ND	120.3(2) 121.1(19)
C12B $S1B$ $C10B$	00.02(12)	C14D N7D H1ND	121.1(19) 1186(10)
N2P O1P C7P	110.6(2)	C_{1}	117.8(3)
N2D N1D C9D	110.0(2) 114.6(2)	C6D = C1D = C2D	117.0(3)
N2D N1D C(D	114.0(2)	COD = CID = HIDA	121.1
N2B-NIB-C0B	110.3(2) 128.7(2)	C1D C1D C1D	121.1
	128.7(2)	C1D - C2D - C3D	120.9 (3)
NIB-N2B-UIB	105.2 (2)	C1D - C2D - H2DA	119.5
N4B-N3B-UIIB	10/./(2)	$C_{3}D - C_{2}D - H_{2}DA$	119.5
N4B—N3B—H2NB	102 (2)	C4D—C3D—C2D	120.0 (4)
C11B—N3B—H2NB	111 (2)	C4D—C3D—H3DA	120.0

C12B—N4B—C13B	105.9 (2)	C2D—C3D—H3DA	120.0
C12B—N4B—N3B	127.2 (2)	C5D—C4D—C3D	119.8 (3)
C13B—N4B—N3B	126.2 (2)	C5D—C4D—H4DA	120.1
C12B—N5B—N6B	106.8 (2)	C3D—C4D—H4DA	120.1
C13B—N6B—N5B	107.2 (2)	C4D—C5D—C6D	118.7 (3)
C15B—N7B—C14B	120.2 (2)	C4D—C5D—H5DA	120.7
C15B—N7B—H1NB	122 (2)	C6D—C5D—H5DA	120.7
C14B—N7B—H1NB	117 (2)	C1D—C6D—C5D	122.7 (3)
C2B—C1B—C6B	117.7 (3)	C1D—C6D—N1D	119.0 (3)
C2B—C1B—H1BA	121.1	C5D—C6D—N1D	118.3 (3)
C6B—C1B—H1BA	121.1	O2D-C7D-O1D	120.2(3)
C1B-C2B-C3B	120.4 (3)	O2D - C7D - C8D	136.1(3)
C1B-C2B-H2BA	119.8	O1D - C7D - C8D	103.6(3)
C3B-C2B-H2BA	119.8	N1D - C8D - C7D	105.0(3) 106.4(2)
C2B-C3B-C4B	120.3 (3)	N1D - C8D - C9D	1240(3)
C2B $C3B$ $H3BA$	119.8	C7D - C8D - C9D	1293(3)
C4B - C3B - H3BA	119.8	$O_{3}D - C_{9}D - C_{8}D$	122.3(3)
C_{3B} C_{4B} C_{5B}	120.1 (3)	$O_{3D} = C_{9D} = C_{10D}$	122.3(3)
C_{3B} C_{4B} H_{4BA}	110.0	C8D - C9D - C10D	122.1(3) 115.6(3)
C5B $C4B$ $H4BA$	110.0	C^{OD} $C^{1\text{OD}}$ $C^{1\text{OD}}$	110.0(3)
C6B-C5B-C4B	119.9 118.0(3)	C9D - C10D - S1D	110.2(2) 108 08 (18)
C6B C5B H5BA	121.0		115 60 (10)
C4B-C5B-H5BA	121.0	C9D-C10D-H10D	107.5
$C_{5B} = C_{6B} = C_{1B}$	121.0 123.4(3)		107.5
C5B C6B N1B	123.4(3) 118.9(3)	S1D C10D H10D	107.5
$C_{1B} = C_{6B} = N_{1B}$	1173(3)	N3D C11D C22D	107.3
$O^{2}B$ $C^{7}B$ $C^{8}B$	117.5 (3)	N3D $C11D$ $C10D$	110.1(2) 113.1(2)
O_2B C_7B O_1B	135.0(3) 120.5(3)	$C^{22}D - C^{11}D - C^{10}D$	115.1(2) 115.6(2)
C_{2B} C_{7B} O_{1B}	120.3(3) 1030(3)	$N_{22} = C_{11} = C_{10} = C_{10}$	105 7
N1B - C8B - C7B	105.9(3) 105.6(2)	$C^{2}D$ $C^{1}D$ $H^{1}D$	105.7
NIB C8B C9B	105.0(2) 125.3(2)	Clop Clip Hilp	105.7
C7B $C8B$ $C9B$	125.5(2) 129.0(3)	N5D C12D N4D	105.7 110.7(2)
C/B $C0B$ $C0B$	129.0(3) 121.0(3)	N5D $C12D$ $N4D$	110.7(2) 124.9(2)
$O_{3B} = C_{9B} = C_{8B}$	121.9(3) 122.4(2)	NJD = C12D = S1D	124.9(2) 124.2(2)
$C_{3B} = C_{3B} = C_{10B}$	122.4(2) 115.7(2)	N4D = C12D = S1D N6D = C13D = N4D	124.2(2) 109.9(2)
C_{0} C_{1} C_{1	113.7(2)	N6D $C13D$ $C14D$	109.9(2) 125.6(3)
COP CIOD CIID	111.1(2) 108.00(18)	NdD = C13D = C14D	123.0(3) 124.4(3)
$C_{11} C_{10} $	108.09(18) 112.84(18)	N7D C14D C13D	124.4(3)
COP C 10P H 10P	113.64 (16)	N/D = C14D = C13D N/D = C14D = H14G	112.0(2)
$C_{11} = C_{10} = H_{10}$	107.9	$\Gamma / D = C I 4 D = H I 4 G$	109.2
	107.9	C13D - C14D - D14U	109.2
N2P C11P C22P	107.9	N/D - C14D - H14H	109.2
N3D-C11D-C22D	108.9(2)	$U_{13}D - C_{14}D - H_{14}H$	109.2
$\begin{array}{c} \text{N3D} \\ \text{C12D} \\ \text{C12D} \\ \text{C14D} \\ $	112.0(2)	$\Pi 40 - C 14D - \Pi 4\Pi$	107.9
$\begin{array}{c} C22D \\ \hline \\ C11D \\ \hline \\ C11D \\ \hline \\ U11D \\ $	113.1 (2)	$O_{+}D = O_{1}O_{-}N/D$	121.0(3) 121.1(2)
$\begin{array}{cccc} \mathbf{N} \mathbf{J} \mathbf{D} & - \mathbf{U} \mathbf{I} \mathbf{D} & - \mathbf{\Pi} \mathbf{I} \mathbf{D} \\ \mathbf{C} 2 \mathbf{D} & \mathbf{C} 1 \mathbf{D} & \mathbf{U} 1 \mathbf{D} \\ \end{array}$	100.0	$ \begin{array}{c} \mathbf{U}_{\mathbf{T}} \mathbf{U}_{\mathbf{T}$	121.1(3) 1171(3)
$C_{22}D - C_{11}D - \Pi_{11}D$	100.0	117D - C15D - C10D	11/.1(2) 121.5(5)
UIUB-UIIB-HIIB	100.0	C17D = C10D = C21X	121.3 (3)
NJB-CI2B-N4B	110.1 (2)	C1/D - C16D - C21D	113.3 (3)

N5B—C12B—S1B	125.6 (2)	C21X—C16D—C21D	29.4 (4)
N4B—C12B—S1B	124.2 (2)	C17D—C16D—C15D	124.2 (3)
N6B—C13B—N4B	109.9 (2)	C21X—C16D—C15D	111.7 (5)
N6B-C13B-C14B	126.6 (3)	C21D-C16D-C15D	121.3 (4)
N4B-C13B-C14B	123.4 (3)	C16D—C17D—C18D	121.0 (3)
N7B-C14B-C13B	110.8 (2)	C16D—C17D—H17D	119.5
N7B—C14B—H14C	109.5	C18D—C17D—H17D	119.5
C13B—C14B—H14C	109.5	C19D—C18D—C17D	124.0 (6)
N7B—C14B—H14D	109.5	C19D—C18D—C19X	28.6 (4)
C13B—C14B—H14D	109.5	C17D—C18D—C19X	115.3 (5)
H14C—C14B—H14D	108.1	C19D—C18D—H18D	118.0
O4B—C15B—N7B	121.9 (3)	C17D—C18D—H18D	118.0
O4B-C15B-C16B	120.9 (3)	C19X—C18D—H18D	118.6
N7B—C15B—C16B	117.3 (2)	C18D—C19D—C20D	116.5 (9)
C17B—C16B—C21B	119.4 (3)	C18D—C19D—H19D	121.8
C17B—C16B—C15B	123.4 (2)	C20D—C19D—H19D	121.8
C21B—C16B—C15B	117.1 (3)	C19D—C20D—C21D	120.3 (8)
C18B—C17B—C16B	120.1 (3)	C19D—C20D—H20D	119.9
C18B—C17B—H17B	120.0	C21D—C20D—H20D	119.9
C16B—C17B—H17B	120.0	C20D—C21D—C16D	123.0 (7)
C19B—C18B—C17B	119.9 (3)	C20D—C21D—H21D	118.5
C19B—C18B—H18B	120.1	C16D—C21D—H21D	118.5
C17B—C18B—H18B	120.1	C20X—C19X—C18D	122.2 (8)
C20B—C19B—C18B	120.9 (3)	C20X—C19X—H19E	118.9
C20B—C19B—H19B	119.6	C18D—C19X—H19E	118.9
C18B—C19B—H19B	119.6	C19X—C20X—C21X	120.8 (8)
C19B—C20B—C21B	119.6 (3)	C19X—C20X—H20E	119.6
C19B—C20B—H20B	120.2	C21X—C20X—H20E	119.6
C21B—C20B—H20B	120.2	C20X—C21X—C16D	117.0 (7)
C20B—C21B—C16B	120.2 (3)	C20X—C21X—H21E	121.5
C20B—C21B—H21B	119.9	C16D—C21X—H21E	121.5
C16B—C21B—H21B	119.9	C23D—C22D—C27D	118.2 (3)
C27B—C22B—C23B	117.9 (3)	C23D—C22D—C11D	124.9 (3)
C27B—C22B—C11B	123.6 (2)	C27D—C22D—C11D	116.8 (3)
C23B—C22B—C11B	118.4 (2)	C22D—C23D—C24D	120.5 (3)
C24B—C23B—C22B	121.3 (3)	C22D—C23D—H23D	119.7
C24B—C23B—H23B	119.3	C24D—C23D—H23D	119.7
C22B—C23B—H23B	119.3	C25D—C24D—C23D	119.6 (3)
C23B—C24B—C25B	119.8 (3)	C25D—C24D—H24D	120.2
C23B—C24B—H24B	120.1	C23D—C24D—H24D	120.2
C25B—C24B—H24B	120.1	C26D—C25D—C24D	120.4 (3)
C26B—C25B—C24B	119.7 (3)	C26D—C25D—H25D	119.8
C26B—C25B—H25B	120.1	C24D—C25D—H25D	119.8
C24B—C25B—H25B	120.1	C25D—C26D—C27D	119.9 (3)
C25B—C26B—C27B	120.2 (3)	C25D—C26D—H26D	120.0
C25B—C26B—H26B	119.9	C27D—C26D—H26D	120.0
C27B—C26B—H26B	119.9	C26D—C27D—C22D	121.3 (3)
C26B—C27B—C22B	121.0 (3)	C26D-C27D-H27D	119.4

C26B—C27B—H27B	119.5	C22D—C27D—H27D	119.4
C22B—C27B—H27B	119.5	H1W1—O1W—H2W1	125.3
C12C—S1C—C10C	100.08 (13)		
C8A—N1A—N3A—O1A	-0.7 (3)	C8C—N1C—N2C—O1C	0.8 (3)
C6A—N1A—N3A—O1A	-176.5 (2)	C6C—N1C—N2C—O1C	178.5 (2)
C7A—O1A—N3A—N1A	1.1 (3)	C7C—01C—N2C—N1C	-0.8(3)
C11A—N2A—N4A—C12A	37.1 (4)	C11C—N3C—N4C—C12C	-39.7(3)
C11A—N2A—N4A—C13A	-136.8(3)	C11C—N3C—N4C—C13C	148.7 (2)
C12A—N5A—N6A—C13A	1.1 (3)	C12C—N5C—N6C—C13C	-0.3(3)
C6A—C1A—C2A—C3A	-4.8(12)	C6C-C1C-C2C-C3C	1.0 (5)
C1A - C2A - C3A - C4A	-2.1(17)	C1C-C2C-C3C-C4C	-0.5(5)
C6A - C1X - C2X - C3X	60(19)	$C_{2}C_{-}C_{3}C_{-}C_{4}C_{-}C_{5$	-0.6(5)
C1X - C2X - C3X - C4A	-0.7(18)	$C_{3}C_{-}C_{4}C_{-}C_{5}C_{-}C_{6}C_{-}C_{-$	11(5)
C2X - C3X - C4A - C5A	46(15)	$C_{2}C_{-}C_{1}C_{-}C_{6}C_{-}C_{5$	-0.4(5)
C2X = C3X = C4A = C3A	-60(3)	$C_{2}C_{-}C_{1}C_{-}C_{6}C_{-}N_{1}C_{-}N_{1}C_{-}C_{6}C_{-}N_{1}C_{-}N_{1}C_{-}C_{6}C_{-}N_{1$	1790(3)
C_{2A} C_{3A} C_{4A} C_{3X}	127(4)	$C_{4}C_{-}C_{5}C_{-}C_{6}C_{-}C_{1}C_{-}C_{-$	-0.6(5)
C_{2A} C_{3A} C_{4A} C_{5A}	0.3(14)	C4C - C5C - C6C - N1C	180.0(3)
C_{3X} C_{4A} C_{5A} C_{6A}	-13.8(10)	$N_{2}C = N_{1}C = C_{6}C = C_{1}C$	-69.2(4)
C_{3A} C_{4A} C_{5A} C_{6A}	86(7)	$C_{N} = C_{N} = C_{N$	108.0(3)
$C_{4A} = C_{5A} = C_{6A} = C_{1A}$	-180(8)	$N_{2}C = N_{1}C = C_{6}C = C_{5}C$	100.0(3) 110.2(3)
C4A - C5A - C6A - C1X	17.2(9)	$C_{8}C_{N1}C_{C_{6}C_{1}}C_{5}C_{1}$	-72.6(4)
C4A - C5A - C6A - N1A	-1762(3)	$N_{2}C_{-01}C_{-02}C_$	179.6(3)
$C_{1A} = C_{1A} = C_{0A} = C_{1A}$	170.2(3)	$N_{2}C = 01C = C7C = 02C$	0.1(3)
$C_{2A} = C_{1A} = C_{6A} = C_{1X}$	-60.5(12)	$N_{2}C = N_{1}C = C_{1}C = C_{3}C$	-0.6(3)
$C_{2A} = C_{1A} = C_{0A} = C_{1A}$	175.1(5)	$C_{C} = N_{C} = C_{C} = C_{C} = C_{C}$	$-177 \otimes (3)$
$C_{2X} = C_{1X} = C_{0X} = M_{1X}$	-14.1(14)	$\frac{1}{1000} = \frac{1}{1000} = 1$	1618(3)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	14.1(14) 108 7 (10)	$C_{6}C$ N1C $C_{8}C$ $C_{9}C$	-125(5)
$C_{2X} = C_{1X} = C_{0X} = C_{1X}$	-1707(8)	COC = CTC = CSC = CFC	-1780(3)
$N_{2A} = C_{1A} = C_{0A} = N_{1A}$	1/9.7(0) 108 2 (3)	$O_2C = C_7C = C_8C = N_1C$	170.9(3)
$C_{8A} = N_{1A} = C_{6A} = C_{5A}$	-66.7(4)	$O_{1}^{2} = C_{1}^{2} = C_{2}^{2} = C_{1}^{2} = C_{1$	163(6)
$N_{A} = N_{A} = C_{A} = C_{A}$	-53 5 (5)	020 - 070 - 080 - 090	-164.7(3)
$C_{A} = N_{A} = C_{A} = C_{A}$	131.6 (5)	N1C C8C C9C O3C	104.7(3) 17.4(4)
$N_{A} = N_{A} = C_{A} = C_{A}$	-86.8(10)	$C_{1}^{2} C_{1}^{2} C_{2}^{2} C_{2$	17.7(+)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	98.2(10)	$N_{1}C = C_{8}C = C_{9}C = C_{1}0C$	-160.6(3)
$N_{A} = 01A = C7A = 02A$	90.2(10)	C7C C8C C9C C10C	100.0(3)
$N_{A} O A C_{A} O A$	-10(3)	0^{3} C C C C C C C C C C C C C C C C C C C	-282(3)
$N_{A} = 0 T_{A} = 0 T_{A$	1.0(3)	$C^{\circ}C = C^{\circ}C = C^{\circ}C = C^{\circ}C$	20.2(3)
$N_{A} = N_{A} = C_{A} = C_{A}$	0.1(3)	$C_{0}C_{0}C_{0}C_{0}C_{0}C_{0}C_{0}C_{0}$	149.9(2) 100.0(2)
COA = NIA = COA	173.1(3) -177.8(3)	$C_{C} = C_{C} = C_{10} = C_{10} = C_{10}$	-81.0(3)
$N_{A} = N_{A} = C_{A} = C_{A}$	-177.8(3)	$C_{0}C_{0}C_{0}C_{0}C_{0}C_{0}C_{0}C_{0}$	-61.9(3)
COA = NIA = COA = COA	-2.8(3)	C12C = S1C = C10C = C9C	-99.4(2)
$O_{2A} - C_{7A} - C_{8A} - N_{1A}$	1/9.3(3)	C12C - S1C - C10C - C11C	27.0(2)
$O_{A} = C_{A} = C_{A} = O_{A}$	0.0(3)	N4C = N3C = C11C = C22C	-12.8(3)
$O_{A} = C_{A} = C_{A} = C_{A}$	=2.7(0)	$\frac{1}{1}$	39.2 (3)
UIA - U/A - UA - UYA	1/8.4(3) 12.6(4)	$C_{10} = C_{10} = C_{11} = C_{10} = C_{11} = C_{10} = C$	00.1(3)
$N1A - C\delta A - C9A - O3A$	-13.0(4)	SIC - CIUC - CIIC - N3C	-30.3(3)
C/A - C8A - C9A - C3A	169.0 (3)		-162.2(2)
N1A—C8A—C9A—C10A	167.3 (3)	SIC-CI0C-CIIC-C22C	/3.4 (3)

C7A—C8A—C9A—C10A	-10.2 (4)	N6C—N5C—C12C—N4C	0.0 (3)
O3A—C9A—C10A—C11A	28.4 (3)	N6C—N5C—C12C—S1C	172.69 (19)
C8A—C9A—C10A—C11A	-152.5 (2)	C13C—N4C—C12C—N5C	0.4 (3)
O3A—C9A—C10A—S1A	-98.4 (3)	N3C—N4C—C12C—N5C	-172.4 (2)
C8A—C9A—C10A—S1A	80.8 (2)	C13C—N4C—C12C—S1C	-172.4(2)
C12A—S1A—C10A—C9A	107.6 (2)	N3C—N4C—C12C—S1C	14.8 (4)
C12A—S1A—C10A—C11A	-17.2(2)	C10C—S1C—C12C—N5C	-178.7(2)
N4A—N2A—C11A—C22A	677(3)	C10C—S1C—C12C—N4C	-69(3)
N4A - N2A - C11A - C10A	-630(3)	N5C - N6C - C13C - N4C	0.6(3)
C9A - C10A - C11A - N2A	-683(3)	N5C - N6C - C13C - C14C	-176.8(3)
S1A $C10A$ $C11A$ $N2A$	54 3 (3)	C12C - N4C - C13C - N6C	-0.6(3)
C9A = C10A = C11A = C22A	164.0(2)	N_{12} N	172.6(2)
$S_{1A} = C_{10A} = C_{11A} = C_{22A}$	-73.4(3)	$C_{12}C_{13}C_{14}C_{13}C_{14}C_{1$	172.0(2) 176.8(2)
N6A N5A C12A N4A	-73.4(3)	$V_{12} = V_{14} = V_{13} = V_{14} = V$	1/0.8(2) -10.0(4)
NOA - NSA - C12A - N4A	0.3(3)	$N_{3}C - N_{4}C - C_{13}C - C_{14}C$	-10.0(4)
NOA - NOA - CI2A - SIA	-1/4.8(2)	C15C - N/C - C14C - C13C	-156.7(3)
CI3A—N4A—CI2A—N5A	-1.6(3)	N6C - C13C - C14C - N/C	-107.1(3)
N2A—N4A—C12A—N5A	-176.4 (2)	N4C—C13C—C14C—N7C	75.9 (3)
C13A—N4A—C12A—S1A	173.5 (2)	C14C—N7C—C15C—O4C	5.8 (4)
N2A—N4A—C12A—S1A	-1.3 (4)	C14C—N7C—C15C—C16C	-174.1 (2)
C10A—S1A—C12A—N5A	166.2 (2)	O4C—C15C—C16C—C21C	-23.4 (4)
C10A—S1A—C12A—N4A	-8.2 (3)	N7C—C15C—C16C—C21C	156.5 (3)
N5A—N6A—C13A—N4A	-2.1 (3)	O4C—C15C—C16C—C17C	157.9 (3)
N5A—N6A—C13A—C14A	175.1 (3)	N7C—C15C—C16C—C17C	-22.2 (4)
C12A—N4A—C13A—N6A	2.3 (3)	C21C—C16C—C17C—C18C	-1.7 (4)
N2A—N4A—C13A—N6A	177.3 (2)	C15C—C16C—C17C—C18C	177.0 (3)
C12A—N4A—C13A—C14A	-175.0 (3)	C16C—C17C—C18C—C19C	-0.2 (5)
N2A—N4A—C13A—C14A	-0.1 (4)	C17C—C18C—C19C—C20C	1.7 (5)
C15A—N7A—C14A—C13A	147.6 (3)	C18C—C19C—C20C—C21C	-1.3(5)
N6A—C13A—C14A—N7A	119.2 (3)	C19C—C20C—C21C—C16C	-0.6(5)
N4A—C13A—C14A—N7A	-63.9 (4)	C17C—C16C—C21C—C20C	2.1 (4)
C14A—N7A—C15A—O4A	-3.0(4)	C15C—C16C—C21C—C20C	-176.7 (3)
C14A—N7A—C15A—C16A	176.7 (2)	N3C-C11C-C22C-C27C	-53.3 (3)
O4A—C15A—C16A—C17A	-158.2(3)	C10C-C11C-C22C-C27C	175.8 (2)
N7A - C15A - C16A - C17A	221(4)	$N_{3}C_{-}C_{11}C_{-}C_{22}C_{-}C_{23}C_{-}C_{3}C_{-}C$	1310(3)
O4A - C15A - C16A - C21A	20.1(4)	C10C - C11C - C22C - C23C	0.1(4)
N7A - C15A - C16A - C21A	-1595(3)	$C_{27}C_{-}C_{27}C_{-}C_{23}C_{-}C_{24}C_{$	-0.3(4)
$C_{21}^{-1} = C_{16}^{-1} = C_{17}^{-1} = C_{18}^{-1}$	0.6(4)	$C_{27}C_{-}C_{22}C_{-}C_{23}C_{-}C_{24}C_{-}C_{-}C_{24}C_{-}C_{-}C_{-}C_{-}C_{-}C_{-}C_{-}C_{-$	1753(3)
$C_{15A} = C_{16A} = C_{17A} = C_{16A}$	0.0(4)	$C_{22}^{22} = C_{23}^{22} = C_{24}^{22} = $	-0.1(5)
C16A = C17A = C18A = C10A	178.9(3)	$C_{22}C_{-}C_{23}C_{-}C_{24}C_{-}C_{23}C_{-}C_{24}C_{-}C_{23}C_{-}C_{24}C_{-}C_{25}C_{-}C_{26}C_{$	0.1(3)
C17A = C18A = C18A = C19A	0.7(4)	$C_{23}C_{-}C_{24}C_{-}C_{23}C_{-}C_{20}C_{$	0.0(3)
C17A - C18A - C19A - C20A	-0.5(5)	$C_{24}C_{-}C_{25}C_{-}C_{26}C_{-}C_{27}C_{-}C_{27}C_{-}C_{26}C_{-}C_{27}C_{-}C_{27}C_{-}C_{26}C_{-}C_{27}C_{$	0.6 (5)
C18A - C19A - C20A - C21A	-0.9(5)	$C_{25}C_{-}C_{26}C_{-}C_{27}C_{-}C_{22}C_{$	-1.0(5)
C19A—C20A—C21A—C16A	2.2 (4)	$C_{23}C - C_{22}C - C_{27}C - C_{26}C$	0.9 (4)
C1/A—C16A—C21A—C20A	-2.0 (4)	C11C—C22C—C27C—C26C	-175.0 (3)
C15A—C16A—C21A—C20A	179.5 (2)	C8D—N1D—N2D—O1D	-1.0(3)
N2A—C11A—C22A—C27A	-129.5 (3)	C6D—N1D—N2D—O1D	-177.6 (2)
C10A—C11A—C22A—C27A	0.4 (4)	C7D—O1D—N2D—N1D	1.2 (3)
N2A—C11A—C22A—C23A	52.1 (3)	C11D—N3D—N4D—C13D	-146.4 (2)
C10A—C11A—C22A—C23A	-178.0(2)	C11D—N3D—N4D—C12D	40.0 (3)

C27A—C22A—C23A—C24A	-1.5 (4)	C12D—N5D—N6D—C13D	0.7 (3)
C11A—C22A—C23A—C24A	177.0 (2)	C6D-C1D-C2D-C3D	-1.2(5)
C22A—C23A—C24A—C25A	0.6 (4)	C1D—C2D—C3D—C4D	1.0 (5)
C23A—C24A—C25A—C26A	0.7 (4)	C2D—C3D—C4D—C5D	0.5 (5)
C24A—C25A—C26A—C27A	-1.0(4)	C3D-C4D-C5D-C6D	-1.7(4)
C23A—C22A—C27A—C26A	1.1 (4)	C2D-C1D-C6D-C5D	-0.1(5)
$C_{11A} - C_{22A} - C_{27A} - C_{26A}$	-177.3(2)	C_2D C_1D C_6D N_1D	177.5 (3)
C25A—C26A—C27A—C22A	0.2 (4)	C4D - C5D - C6D - C1D	1.6 (4)
C8B—N1B—N2B—O1B	-0.8(3)	C4D - C5D - C6D - N1D	-176.1(3)
C6B—N1B—N2B—O1B	-1745(2)	N2D-N1D-C6D-C1D	-672(4)
C7B-O1B-N2B-N1B	21(3)	C8D - N1D - C6D - C1D	1168(3)
$C_{11B} N_{3B} N_{4B} C_{12B}$	373(3)	N2D - N1D - C6D - C5D	110.6(3)
C11B = N3B = N4B = C13B	-1322(3)	C8D N1D C6D C5D	-654(4)
C12B N5B N6B $C13B$	152.2(5)	N2D = 01D = C7D = 02D	-1793(3)
C6B-C1B-C2B-C3B	0.4(4)	N2D = 01D = C7D = 02D	-0.9(3)
C1B-C2B-C3B-C4B	-14(5)	N2D = N1D = C7D = C3D	0.5(3)
C^{2B} C^{3B} C^{4B} C^{5B}	22(6)	C6D N1D $C8D$ $C7D$	176.6(3)
$C_{2B} = C_{4B} = C_{4B} = C_{5B}$	2.2(0)	N2D N1D C8D C9D	170.0(3)
$C_{4B} = C_{4B} = C_{5B} = C_{6B} = C_{1B}$	1.9(3)	C6D N1D $C8D$ $C9D$	-0.1(4)
C4B = C5B = C6B = N1B	(3)	$C_{0}D_{1}C_{1}D_{2}C_{2}D_{1}C_{3$	9.1(4)
$C_{4B} = C_{5B} = C_{6B} = C_{5B}$	-0.1(4)	$O_2D = C_7D = C_8D = N_1D$	178.3(3)
$C_{2B} = C_{1B} = C_{6B} = C_{1B}$	-173.5(2)	O1D - C7D - C8D - N1D	0.2(3)
N2P N1P C6P C5P	-60.3(4)	$O_2D = C_7D = C_8D = C_9D$	-1737(3)
12D $11D$ $C0D$ $C5D$	127.1(3)	$\frac{1}{10} - \frac{1}{10} $	173.7(3)
$C_{0}D_{-}N_{1}D_{-}C_{0$	127.1(3) 112 4 (2)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-3.7(4)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-50.2(4)	C/D = C8D = C9D = O3D	107.3(3)
$\begin{array}{c} C \delta B \longrightarrow C B \longrightarrow C \delta B \longrightarrow C B \longrightarrow$	-39.2(4)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	170.2(2)
N2P O D C7P C9P	-2.6(2)	C/D = C8D = C9D = C10D	-10.8(4)
$N2D \qquad N1D \qquad C^{9}D \qquad C^{7}D$	-2.0(3)	C^{OD}	22.8 (4)
N2D - N1D - C0D - C/D	-0.8(3)	$C_{0}D_{-}C_{0}D_{-}C_{1$	-139.2(2)
$\begin{array}{c} COB \\ \hline \\ COB \\ COB \\ \hline COB \\ \hline \\ COB \\ \hline \\ COB \\ \hline COB \\ COB \\ \hline COB$	172.0(3)	$C^{2}D$ $C^{2}D$ $C^{1}D$ $C^{1}D$ $C^{2}D$ $C^{1}D$	-104.3(3)
N_2B N_1B C_{8B} C_{9B}	1/0.1(3)	C_{12}	/3.5 (3)
C_{0B} N_{1B} C_{0B} C_{9B}	-11.2(4)	C12D— $S1D$ — $C10D$ — $C9D$	100.4(2)
02B - C/B - C8B - N1B	-1/9.4(3)	CI2D—SID—CI0D—CIID	-23.7(2)
OIB - C/B - C8B - NIB	2.0(3)	N4D - N3D - C11D - C22D	70.3(3)
02B - C/B - C8B - C9B	3.9 (6)	N4D - N3D - CIID - CIUD	-60.6(3)
$\begin{array}{c} \text{OIB} \\ OIB$	-1/4./(3)	C_{9D} $-C_{10D}$ $-C_{11D}$ N_{3D}	-6/./(3)
NIB-C8B-C9B-03B	-11.3(4)	SID—CIUD—CIID—N3D	55.2(3)
C/B = C8B = C9B = O3B	164.8 (3)	C9D - C10D - C11D - C22D	164.1 (2)
NIB-C8B-C9B-C10B	1/0.1(2)	SID—CIOD—CIID—C22D	-/3.0(3)
C/B—C8B—C9B—C10B	-13./(4)	N6D - N5D - C12D - N4D	-0.1(3)
O3B—C9B—C10B—C11B	22.9 (4)	N6D—N5D—C12D—S1D	-174.59 (19)
C8B—C9B—C10B—C11B	-158.5 (2)	CI3D—N4D—CI2D—N5D	-0.5(3)
O3B—C9B—C10B—S1B	-102.7(3)	N3D—N4D—C12D—N5D	174.1 (2)
CAR COR CIOR SIB	/5.9 (3)	C13D—N4D—C12D—S1D	174.1 (2)
C12B—S1B—C10B—C9B	111.58 (19)	N3D—N4D—C12D—S1D	-11.4 (4)
C12B—S1B—C10B—C11B	-12.4 (2)	C10D—S1D—C12D—N5D	176.0 (2)
N4B—N3B—C11B—C22B	61.3 (3)	C10D—S1D—C12D—N4D	2.2 (3)
N4B—N3B—C11B—C10B	-67.6 (3)	N5D—N6D—C13D—N4D	-1.0(3)

C9B-C10B-C11B-N3B	-67.5 (3)	N5D—N6D—C13D—C14D	178.2 (3)
S1B-C10B-C11B-N3B	54.9 (3)	C12D—N4D—C13D—N6D	0.9 (3)
C9B-C10B-C11B-C22B	166.9 (2)	N3D—N4D—C13D—N6D	-173.9 (2)
S1B-C10B-C11B-C22B	-70.7 (3)	C12D—N4D—C13D—C14D	-178.3 (3)
N6B—N5B—C12B—N4B	-0.6 (3)	N3D—N4D—C13D—C14D	7.0 (4)
N6B—N5B—C12B—S1B	-178.3 (2)	C15D—N7D—C14D—C13D	152.5 (3)
C13B—N4B—C12B—N5B	-0.5 (3)	N6D-C13D-C14D-N7D	106.9 (3)
N3B—N4B—C12B—N5B	-171.7 (2)	N4D—C13D—C14D—N7D	-74.1 (4)
C13B—N4B—C12B—S1B	177.3 (2)	C14D—N7D—C15D—O4D	-1.0 (4)
N3B—N4B—C12B—S1B	6.0 (4)	C14D—N7D—C15D—C16D	177.7 (3)
C10B—S1B—C12B—N5B	160.1 (2)	O4D-C15D-C16D-C17D	-159.1 (3)
C10B—S1B—C12B—N4B	-17.3 (3)	N7D-C15D-C16D-C17D	22.2 (4)
N5B—N6B—C13B—N4B	-1.8 (3)	O4D-C15D-C16D-C21X	3.0 (6)
N5B—N6B—C13B—C14B	-179.0 (3)	N7D-C15D-C16D-C21X	-175.7 (6)
C12B—N4B—C13B—N6B	1.4 (3)	O4D-C15D-C16D-C21D	34.2 (8)
N3B—N4B—C13B—N6B	172.8 (2)	N7D-C15D-C16D-C21D	-144.5 (8)
C12B—N4B—C13B—C14B	178.7 (3)	C21X-C16D-C17D-C18D	17.9 (7)
N3B—N4B—C13B—C14B	-9.9 (4)	C21D-C16D-C17D-C18D	-14.1 (8)
C15B—N7B—C14B—C13B	155.4 (3)	C15D-C16D-C17D-C18D	178.3 (3)
N6B—C13B—C14B—N7B	112.6 (3)	C16D-C17D-C18D-C19D	17.4 (9)
N4B—C13B—C14B—N7B	-64.2 (4)	C16D—C17D—C18D—C19X	-14.2 (8)
C14B—N7B—C15B—O4B	1.8 (4)	C17D-C18D-C19D-C20D	-10.5 (12)
C14B—N7B—C15B—C16B	-176.7 (2)	C19X—C18D—C19D—C20D	70.4 (16)
O4B—C15B—C16B—C17B	-153.5 (3)	C18D—C19D—C20D—C21D	2.3 (14)
N7B—C15B—C16B—C17B	25.1 (4)	C19D—C20D—C21D—C16D	-0.8 (15)
O4B-C15B-C16B-C21B	22.7 (4)	C17D—C16D—C21D—C20D	6.5 (12)
N7B-C15B-C16B-C21B	-158.8 (3)	C21X-C16D-C21D-C20D	-106.8 (17)
C21B—C16B—C17B—C18B	-0.4 (4)	C15D—C16D—C21D—C20D	174.5 (7)
C15B—C16B—C17B—C18B	175.7 (3)	C19D—C18D—C19X—C20X	-108 (2)
C16B—C17B—C18B—C19B	0.7 (5)	C17D-C18D-C19X-C20X	6.9 (13)
C17B—C18B—C19B—C20B	-0.3 (5)	C18D—C19X—C20X—C21X	-2.7 (16)
C18B—C19B—C20B—C21B	-0.5 (6)	C19X—C20X—C21X—C16D	5.3 (13)
C19B—C20B—C21B—C16B	0.9 (5)	C17D—C16D—C21X—C20X	-12.7 (10)
C17B—C16B—C21B—C20B	-0.5 (5)	C21D-C16D-C21X-C20X	69.1 (12)
C15B—C16B—C21B—C20B	-176.7 (3)	C15D—C16D—C21X—C20X	-175.3 (6)
N3B—C11B—C22B—C27B	-130.5 (3)	N3D-C11D-C22D-C23D	-126.5 (3)
C10B—C11B—C22B—C27B	-3.0 (4)	C10D—C11D—C22D—C23D	3.2 (4)
N3B—C11B—C22B—C23B	48.9 (3)	N3D-C11D-C22D-C27D	56.1 (3)
C10B—C11B—C22B—C23B	176.5 (2)	C10D—C11D—C22D—C27D	-174.3 (2)
C27B—C22B—C23B—C24B	-0.5 (4)	C27D—C22D—C23D—C24D	0.5 (5)
C11B—C22B—C23B—C24B	-179.9 (3)	C11D—C22D—C23D—C24D	-176.9 (3)
C22B—C23B—C24B—C25B	-0.2 (4)	C22D—C23D—C24D—C25D	0.2 (5)
C23B—C24B—C25B—C26B	0.4 (5)	C23D—C24D—C25D—C26D	-0.1(5)
C24B—C25B—C26B—C27B	0.1 (5)	C24D—C25D—C26D—C27D	-0.8 (5)
C25B—C26B—C27B—C22B	-0.8 (5)	C25D—C26D—C27D—C22D	1.6 (5)
C23B—C22B—C27B—C26B	0.9 (4)	C23D—C22D—C27D—C26D	-1.4 (4)
C11B—C22B—C27B—C26B	-179.6 (3)	C11D—C22D—C27D—C26D	176.2 (3)

D—H···A	<i>D</i> —Н	H···A	$D \cdots A$	<i>D</i> —H··· <i>A</i>
O1 <i>W</i> —H2 <i>W</i> 1···O2 <i>C</i>	0.85	1.92	2.772 (4)	175
O1 <i>W</i> —H1 <i>W</i> 1···N6 <i>B</i>	0.85	2.10	2.944 (4)	174
$N7A$ — $H1NA$ ··· $N5B^{i}$	0.94 (5)	2.15 (5)	3.017 (4)	153 (4)
$N7A$ — $H1NA$ ··· $N6B^{i}$	0.94 (5)	2.19 (6)	3.016 (4)	146 (3)
N2 <i>A</i> —H2 <i>NA</i> ···O3 <i>A</i>	0.78 (3)	2.35 (3)	2.912 (3)	130 (3)
$N7B$ — $H1NB$ ···· $N6A^{ii}$	0.86 (4)	2.16 (4)	2.964 (4)	155 (3)
N3 <i>B</i> —H2 <i>NB</i> ···O3 <i>B</i>	0.88 (3)	2.25 (3)	2.865 (3)	127 (3)
$N7C$ — $H1NC$ ··· $N6D^{iii}$	0.80 (3)	2.21 (3)	2.990 (4)	165 (3)
N3 <i>C</i> —H2 <i>NC</i> ···O3 <i>C</i>	0.91 (3)	2.21 (3)	2.895 (3)	132 (3)
N7D—H1ND····N6C ⁱⁱⁱ	0.89 (3)	2.25 (3)	3.082 (4)	157 (3)
N3 <i>D</i> —H2 <i>ND</i> ···O3 <i>D</i>	0.94 (3)	2.07 (3)	2.841 (3)	138 (3)
$C1A$ — $H1XA$ ··· $O2B^{i}$	1.16	2.43	3.471 (10)	148
C5A—H5AA···O4A ^{iv}	0.93	2.45	3.294 (4)	151
$C1B$ — $H1BA$ ···O $4B^{v}$	0.93	2.40	3.278 (4)	158
$C11A$ — $H11A$ ···O $4A^{iv}$	0.98	2.60	3.291 (4)	128
C5 <i>B</i> —H5 <i>BA</i> ···O2 <i>A</i> ⁱⁱ	0.93	2.51	3.405 (4)	162
C19D—H19D····O2B ^{vi}	0.93	2.41	3.289 (11)	157
$C5D$ — $H5DA$ ···O4 D^{iii}	0.93	2.47	3.328 (4)	154
C23 <i>A</i> —H23 <i>A</i> ···O3 <i>A</i> ^{iv}	0.93	2.59	3.318 (4)	136
C23 <i>B</i> —H23 <i>B</i> ···O3 <i>B</i> ^v	0.93	2.41	3.240 (4)	149
С27С—Н27С…О3С ^{vii}	0.93	2.52	3.359 (4)	150
C27 <i>D</i> —H27 <i>D</i> ····O3 <i>D</i> ⁱⁱⁱ	0.93	2.42	3.258 (4)	149

Hydrogen-bond geometry (Å, °)

Symmetry codes: (i) x+1, y, z; (ii) x-1, y, z; (iii) -x+1, -y+1, -z; (iv) -x+2, -y, -z+1; (v) -x, -y+1, -z+1; (vi) x, y, z-1; (vii) -x+1, -y, -z.