# Supporting Information

# Investigating the crystal structures of alkali and alkaline-earth metal salts of 2,5-(dianilino)terephthalic acid

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# Index to supporting information:

#### 1. Compound [(Li(OH<sub>2</sub>)<sub>3</sub>)<sub>2</sub>(C<sub>20</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>)]·2H<sub>2</sub>O (Ia, form $\alpha$ )

**Figure S1a.** Crystals of  $[(Li(OH_2)_3)_2(C_{20}H_{14}N_2O_4)] \cdot 2H_2O$  (**Ia**, form  $\alpha$ ) in light yellow solution.

**Table S1a.** Fractional atomic coordinates and isotropic or equivalent isotropic displacement parameters (Å<sup>2</sup>) for  $[(\text{Li}(OH_2)_3)_2(C_{20}H_{14}N_2O_4)]\cdot 2H_2O$  (**Ia**, form  $\alpha$ ).

**Table S1b.** Atomic displacement parameters (Å<sup>2</sup>) for  $[(\text{Li}(OH_2)_3)_2(C_{20}H_{14}N_2O_4)] \cdot 2H_2O$  (**Ia**, form  $\alpha$ ).

**Table S1c.** Geometric parameters (Å, °) for  $[(\text{Li}(OH_2)_3)_2(C_{20}H_{14}N_2O_4)] \cdot 2H_2O$  (**Ia**, form  $\alpha$ ).

**Table S1d.** Hydrogen-bond geometry (Å, °) for  $[(Li(OH_2)_3)_2(C_{20}H_{14}N_2O_4)] \cdot 2H_2O$  (**Ia**, form  $\alpha$ ).

**Figure S1b.** Representation of hydrogen bonds (dashed lines) in  $[(Li(OH_2)_3)_2(C_{20}H_{14}N_2O_4)] \cdot 2H_2O$  (**Ia**, form  $\alpha$ ).

### 2. Compound [(Li(OH<sub>2</sub>)<sub>4</sub>)<sub>2</sub>(C<sub>20</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>)] (lb, form $\beta$ )

Figure S2a. Crystals of  $[(Li(OH_2)_4)_2(C_{20}H_{14}N_2O_4)]$  (Ib, form  $\beta$ ) in yellow solution.

**Table S2a.** Fractional atomic coordinates and isotropic or equivalent isotropic displacement parameters (Å<sup>2</sup>) for  $[(\text{Li}(OH_2)_4)_2(C_{20}H_{14}N_2O_4)]$  (**Ib**, form  $\beta$ ).

**Table S2b.** Atomic displacement parameters  $(Å^2)$  for  $[(Li(OH_2)_4)_2(C_{20}H_{14}N_2O_4)]$  (**Ib**, form  $\beta$ ).

**Table S2c.** Geometric parameters (Å, °) for [(Li(OH<sub>2</sub>)<sub>4</sub>)<sub>2</sub>(C<sub>20</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>)] (**Ib**, form  $\beta$ ).

**Table S2d.** Hydrogen-bond geometry (Å, °) for  $[(\text{Li}(OH_2)_4)_2(C_{20}H_{14}N_2O_4)]$  (**Ib**, form  $\beta$ ).

**Figure S2b.** Representation of hydrogen bonds (dashed lines) in [(Li(OH<sub>2</sub>)<sub>4</sub>)<sub>2</sub>(C<sub>20</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>)] (**Ib**, form  $\beta$ ).

#### 3. Compound $[Mg(OH_2)_6(C_{20}H_{14}N_2O_4)]$ 2.8H<sub>2</sub>O (II)

**Figure S3a.** Crystals of  $[Mg(OH_2)_6(C_{20}H_{14}N_2O_4)] \cdot 2.8H_2O$  (II) in light yellow/green solution. **Table S3a.** Fractional atomic coordinates and isotropic or equivalent isotropic displacement parameters (Å<sup>2</sup>) for  $[Mg(OH_2)_6(C_{20}H_{14}N_2O_4)] \cdot 2.8H_2O$  (II).

Table S3b. Atomic displacement parameters (Å<sup>2</sup>) for [Mg(OH<sub>2</sub>)<sub>6</sub>(C<sub>20</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>)]·2.8H<sub>2</sub>O (II).

Table S3c. Geometric parameters (Å,  $^{o}$ ) for [Mg(OH<sub>2</sub>)<sub>6</sub>(C<sub>20</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>)]·2.8H<sub>2</sub>O (II).

Table S3d. Hydrogen-bond geometry (Å, °) for  $[Mg(OH_2)_6(C_{20}H_{14}N_2O_4)]\cdot 2.8H_2O$  (II).

**Figure S3b.** Representation of hydrogen bonds (dashed lines) for  $[Mg(OH_2)_6(C_{20}H_{14}N_2O_4)]\cdot 2.8H_2O$  (II) focused on both the  $Mg^{2+}$  (a) and the 2,5-(dianilino)terephthalate dianion (b) environments.

#### 4. DFT calculations

**Table S4a.** Experimental, DFT optimized fractional atomic coordinates, and atomic displacement (in Å) during DFT optimization for  $[(\text{Li}(OH_2)_3)_2(C_{20}H_{14}N_2O_4)]\cdot 2H_2O$  (**Ia**, form  $\alpha$ ).

**Table S4b.** Experimental, DFT optimized fractional atomic coordinates, and atomic displacement (in Å) during DFT optimization for  $[(\text{Li}(OH_2)_4)_2(C_{20}H_{14}N_2O_4)]$  (**Ib**, form  $\beta$ ).

**Figure S4a.** Total Density of states (DOS) for compound **Ia** (form  $\alpha$ ) (top) and compound **Ib** (form  $\beta$ ) (bottom).

**Figure S4b.** Isosurface of the partial charge density calculated for the HOMO (left) and LUMO (right) for compound **Ia** (form  $\alpha$ ).

**Figure S4c.** Imaginary part of the calculated dielectric constant for compound **Ia** (form  $\alpha$ ) (top) and compound **Ib** (form  $\beta$ ) (bottom).

#### References

- 1. S. P. Westrip, J. Appl. Crystallogr., 2010, 43, 920–925.
- 2. K. Brandenburg and H. Putz, DIAMOND version 3, 2005, Crystal Impact GbR, Bonn, Germany.

1. Compound  $[(Li(OH_2)_3)_2(C_{20}H_{14}N_2O_4)]\cdot 2H_2O$  (**Ia**, form  $\alpha$ )



**Figure S1a.** Crystals of  $[(Li(OH_2)_3)_2(C_{20}H_{14}N_2O_4)] \cdot 2H_2O$  (**Ia**, form  $\alpha$ ) in light yellow solution.

	X	У	Z	$U_{\rm iso}$ */ $U_{\rm eq}$
O11a	0.37413 (18)	0.75585 (17)	0.23134 (13)	0.0237 (6)
O12a	0.58286 (18)	0.58030 (17)	0.19178 (13)	0.0221 (5)
N21a	0.7710 (2)	0.2653 (2)	0.56877 (17)	0.0201 (6)
C1a	0.4833 (3)	0.5700 (2)	0.38413 (19)	0.0175 (7)
C2a	0.6312 (3)	0.3790 (2)	0.5343 (2)	0.0180 (7)
C3a	0.6100 (3)	0.4505 (2)	0.4207 (2)	0.0190 (7)
C11a	0.4786 (3)	0.6406 (2)	0.2611 (2)	0.0183 (7)
C21a	0.8441 (3)	0.1879 (3)	0.4645 (2)	0.0194 (7)
C22a	0.7453 (3)	0.0571 (3)	0.3722 (2)	0.0273 (8)
C23a	0.8177 (3)	-0.0141 (3)	0.2733 (2)	0.0353 (10)
C24a	0.9875 (3)	0.0447 (3)	0.2656 (2)	0.0331 (10)
C25a	1.0854 (3)	0.1755 (3)	0.3564 (2)	0.0346 (10)
C26a	1.0131 (3)	0.2469 (3)	0.4568 (2)	0.0289 (9)
H21a	0.734 (3)	0.201 (3)	0.618 (3)	0.043 (8)*
H22a	0.628003	0.016271	0.376832	0.0328*
H23a	0.750022	-0.104357	0.209919	0.0423*
H24a	1.036885	-0.005387	0.19741	0.0397*
H25a	1.201797	0.217037	0.350789	0.0415*
H26a	1.081053	0.33683	0.520383	0.0347*
H3a	0.686019	0.415904	0.365122	0.0228*
O1b	0.4557 (2)	0.72309 (19)	-0.02994 (18)	0.0252 (6)
O2b	0.2831 (3)	1.0645 (2)	0.07668 (17)	0.0308 (7)
O3b	0.0202 (2)	0.7220 (2)	-0.01426 (18)	0.0264 (6)
Li1b	0.2784 (5)	0.8319 (4)	0.0588 (4)	0.0275 (14)
H11b	0.507 (4)	0.672 (4)	0.041 (3)	0.077 (11)*
H12b	0.430 (3)	0.644 (4)	-0.101 (3)	0.055 (9)*
H21b	0.387 (4)	1.125 (4)	0.071 (3)	0.071 (10)*
H22b	0.187 (4)	1.119 (4)	0.060 (3)	0.065 (10)*
H31b	-0.002 (3)	0.675 (3)	0.054 (3)	0.058 (9)*
H32b	0.016 (4)	0.638 (4)	-0.079 (3)	0.066 (10)*
O1c	0.9540 (3)	0.5667 (2)	0.18607 (17)	0.0277 (6)
H11c	1.037 (4)	0.609 (4)	0.257 (3)	0.069 (11)*
H12c	0.837 (4)	0.570 (4)	0.200 (3)	0.083 (11)*

**Table S1a.** Fractional atomic coordinates and isotropic or equivalent isotropic displacement parameters (Å<sup>2</sup>) for  $[(\text{Li}(OH_2)_3)_2(C_{20}H_{14}N_2O_4)]\cdot 2H_2O$  (**Ia**, form  $\alpha$ ).

	$U^{11}$	$U^{22}$	$U^{33}$	$U^{12}$	$U^{13}$	$U^{23}$
O11a	0.0304 (8)	0.0222 (9)	0.0222 (9)	0.0086 (7)	0.0110 (6)	0.0090 (7)
O12a	0.0283 (8)	0.0231 (8)	0.0188 (8)	0.0051 (6)	0.0115 (6)	0.0063 (7)
N21a	0.0241 (10)	0.0210 (10)	0.0177 (10)	0.0072 (8)	0.0083 (8)	0.0064 (8)
C1a	0.0190 (10)	0.0184 (11)	0.0144 (11)	-0.0018 (9)	0.0040 (8)	0.0028 (9)
C2a	0.0208 (11)	0.0147 (11)	0.0168 (11)	-0.0002 (8)	0.0037 (8)	0.0014 (9)
C3a	0.0225 (11)	0.0182 (11)	0.0171 (11)	0.0007 (9)	0.0081 (8)	0.0014 (9)
C11a	0.0215 (11)	0.0162 (11)	0.0165 (11)	-0.0017 (9)	0.0055 (8)	0.0017 (9)
C21a	0.0225 (11)	0.0207 (12)	0.0170 (11)	0.0063 (9)	0.0068 (9)	0.0075 (9)
C22a	0.0328 (13)	0.0243 (13)	0.0270 (13)	-0.0037 (10)	0.0128 (10)	0.0037 (10)
C23a	0.0541 (16)	0.0249 (14)	0.0289 (14)	-0.0034 (11)	0.0195 (12)	-0.0025 (11)
C24a	0.0505 (15)	0.0315 (15)	0.0266 (14)	0.0160 (12)	0.0225 (11)	0.0100 (12)
C25a	0.0311 (13)	0.0444 (16)	0.0325 (14)	0.0025 (11)	0.0155 (11)	0.0075 (12)
C26a	0.0287 (12)	0.0321 (14)	0.0251 (13)	-0.0020 (10)	0.0092 (10)	0.0005 (11)
O1b	0.0339 (9)	0.0222 (9)	0.0219 (9)	0.0015 (7)	0.0113 (7)	0.0048 (8)
O2b	0.0312 (10)	0.0237 (9)	0.0428 (11)	0.0051 (8)	0.0156 (8)	0.0122 (8)
O3b	0.0324 (9)	0.0216 (9)	0.0262 (9)	0.0020 (7)	0.0095 (7)	0.0054 (8)
Li1b	0.033 (2)	0.022 (2)	0.030 (2)	0.0032 (16)	0.0115 (17)	0.0061 (17)
O1c	0.0276 (9)	0.0293 (10)	0.0248 (10)	-0.0002 (7)	0.0082 (8)	0.0000 (8)

**Table S1b.** Atomic displacement parameters (Å<sup>2</sup>) for  $[(Li(OH_2)_3)_2(C_{20}H_{14}N_2O_4)] \cdot 2H_2O$  (**Ia**, form  $\alpha$ ).

#### **Table S1c.** Geometric parameters (Å, °) for $[(\text{Li}(OH_2)_3)_2(C_{20}H_{14}N_2O_4)] \cdot 2H_2O$ (**Ia**, form $\alpha$ ).

O11a—C11a	1.256 (2)	C24a—C25a	1.372 (3)
O11a—Li1b	1.959 (4)	C24a—H24a	0.95
O12a—C11a	1.277 (3)	C25a—C26a	1.391 (4)
N21a—C2a	1.415 (3)	C25a—H25a	0.95
N21a—C21a	1.445 (3)	C26a—H26a	0.95
N21a—H21a	0.90 (3)	O1b—Li1b	1.988 (4)
C1a—C2a <sup>i</sup>	1.412 (3)	O1b—H11b	0.91 (3)
C1a—C3a	1.393 (3)	O1b—H12b	0.90 (3)
C1a—C11a	1.501 (3)	O2b—Li1b	1.907 (4)
C2a—C3a	1.390 (3)	O2b—H21b	0.94 (3)
С3а—Н3а	0.95	O2b—H22b	0.84 (3)
C21a—C22a	1.381 (3)	O3b—Li1b	1.993 (4)
C21a—C26a	1.372 (3)	O3b—H31b	0.93 (3)
C22a—C23a	1.378 (4)	O3b—H32b	0.90 (3)
C22a—H22a	0.95	O1c—H11c	0.84 (3)
C23a—C24a	1.378 (4)	H12c—O1c	0.92 (4)
C23a—H23a	0.95		
C11a—O11a—Li1b	129.02 (18)	C23a—C24a—C25a	120.0 (2)
C2a—N21a—C21a	117.35 (17)	C23a—C24a—H24a	120.01
C2a—N21a—H21a	107.5 (15)	C25a—C24a—H24a	120.01
C21a—N21a—H21a	117.7 (16)	C24a—C25a—C26a	119.6 (2)
C2a <sup>i</sup> —C1a—C3a	118.5 (2)	C24a—C25a—H25a	120.18
C2a <sup>i</sup> —C1a—C11a	123.41 (18)	C26a—C25a—H25a	120.18
C3a—C1a—C11a	118.06 (19)	C21a—C26a—C25a	120.29 (19)
N21a—C2a—C1a <sup>i</sup>	121.90 (19)	C21a—C26a—H26a	119.86
N21a—C2a—C3a	120.1 (2)	C25a—C26a—H26a	119.86
C1a <sup>i</sup> —C2a—C3a	117.96 (18)	Li1b—O1b—H11b	91 (2)
C1a—C3a—C2a	123.5 (2)	Li1b—O1b—H12b	128.5 (17)
C1a—C3a—H3a	118.24	H11b—O1b—H12b	105 (3)
C2a—C3a—H3a	118.24	Li1b—O2b—H21b	121.5 (19)
O11a—C11a—O12a	123.0 (2)	Li1b—O2b—H22b	125 (2)
O11a—C11a—C1a	119.0 (2)	H21b—O2b—H22b	110 (3)
O12a—C11a—C1a	117.99 (18)	Li1b—O3b—H31b	106.4 (14)
N21a—C21a—C22a	120.9 (2)	Li1b—O3b—H32b	110.8 (18)
N21a—C21a—C26a	119.26 (17)	H31b—O3b—H32b	105 (3)
C22a—C21a—C26a	119.9 (2)	O11a—Li1b—O1b	98.34 (17)
C21a—C22a—C23a	119.7 (2)	O11a—Li1b—O2b	112.52 (18)
C21a—C22a—H22a	120.14	O11a—Li1b—O3b	102.3 (2)
C23a—C22a—H22a	120.14	O1b—Li1b—O2b	116.0 (2)
C22a—C23a—C24a	120.5 (2)	O1b—Li1b—O3b	111.55 (17)
C22a—C23a—H23a	119.76	O2b—Li1b—O3b	114.20 (19)
C24a—C23a—H23a	119.76		

Symmetry code: (i) -x+1, -y+1, -z+1.

**Table S1d.** Hydrogen-bond geometry (Å, °) for [(Li(OH<sub>2</sub>)<sub>3</sub>)<sub>2</sub>(C<sub>20</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>)]·2H<sub>2</sub>O (**Ia**, form  $\alpha$ ).

<i>D</i> —H… <i>A</i>	D—H	H···A	D····A	<i>D</i> —H… <i>A</i>	
N21a—H21a…O11a <sup>i</sup>	0.90 (3)	1.98 (3)	2.679 (3)	133 (2)	
C3a—H3a…O12a	0.95	2.40	2.759 (3)	101.85	
С3а—Н3а…С21а	0.95	2.44	2.809 (3)	102.58	
01 <i>b</i> —H11 <i>b</i> …O12a	0.91 (3)	1.82 (4)	2.716 (2)	172 (3)	
O1b—H11b…C11a	0.91 (3)	2.46 (4)	3.221 (3)	142 (3)	
01 <i>b</i> —H12 <i>b</i> …O12a <sup>ii</sup>	0.90 (3)	1.94 (3)	2.783 (2)	155 (3)	
O2 <i>b</i> —H21 <i>b</i> …O1 <i>b</i> <sup>ⅲ</sup>	0.94 (3)	1.89 (3)	2.807 (3)	165 (3)	
O2 <i>b</i> —H22 <i>b</i> …O3 <i>b</i> <sup>iv</sup>	0.84 (3)	2.03 (3)	2.865 (2)	171 (3)	
O3 <i>b</i> —H31 <i>b</i> …O1 <i>c</i> <sup>v</sup>	0.93 (3)	1.88 (3)	2.804 (3)	176 (3)	
O3 <i>b</i> —H32 <i>b</i> …O1 <i>c</i> <sup>ii</sup>	0.90 (3)	1.95 (3)	2.827 (2)	166 (3)	
01 <i>c</i> —H11 <i>c</i> …N21 <i>a</i> <sup>vi</sup>	0.84 (3)	2.09 (3)	2.926 (2)	174 (3)	
01 <i>c</i> —H12c…O12a	0.92 (4)	1.87 (3)	2.782 (2)	168 (3)	
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Symmetry codes: (i) -x+1, -y+1, -z+1; (ii) -x+1, -y+1, -z; (iii) -x+1, -y+2, -z; (iv) -x, -y+2, -z; (v) x-1, y, z; (vi) -x+2, -y+1, -z+1.



**Figure S1b.** Representation of hydrogen bonds (dashed lines) for  $[(Li(OH_2)_3)_2(C_{20}H_{14}N_2O_4)] \cdot 2H_2O$  (**Ia**, form  $\alpha$ ). Symmetry codes: (i) -x+1, -y+1, -z+1; (ii) -x+1, -y+1, -z; (iii) -x+1, -y+2, -z; (iv) -x, -y+2, -z; (v) x-1, y, z; (vi) -x+2, -y+1, -z+1.

# 2. Compound [(Li(OH<sub>2</sub>)<sub>4</sub>)<sub>2</sub>(C<sub>20</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>)] (**Ib**, form $\beta$ )



**Figure S2a.** Crystals of  $[(Li(OH_2)_4)_2(C_{20}H_{14}N_2O_4)]$  (**Ib**, form  $\beta$ ) in yellow solution.

	X	У	Z	U <sub>iso</sub> */U <sub>eq</sub>
O11a	0.20752 (13)	-0.4232 (3)	0.04897 (11)	0.0268 (6)
O12a	0.29928 (12)	-0.1274 (3)	0.01691 (9)	0.0214 (5)
N21a	0.00787 (17)	0.3872 (3)	-0.08811 (12)	0.0210 (7)
C1a	0.09908 (19)	-0.1144 (4)	0.01788 (13)	0.0182 (7)
C2a	0.00377 (19)	0.1948 (4)	-0.04507 (13)	0.0193 (8)
C3a	0.1005 (2)	0.0790 (4)	-0.02454 (13)	0.0198 (8)
C11a	0.20846 (19)	-0.2312 (4)	0.02927 (13)	0.0190 (8)
C21a	0.08091 (19)	0.4489 (4)	-0.14957 (14)	0.0202 (8)
C22a	0.0739 (2)	0.6586 (4)	-0.17849 (15)	0.0236 (8)
C23a	0.1410 (2)	0.7272 (5)	-0.24158 (15)	0.0300 (9)
C24a	0.2187 (2)	0.5929 (5)	-0.27634 (15)	0.0334 (9)
C25a	0.2246 (2)	0.3852 (5)	-0.24895 (16)	0.0346 (10)
C26a	0.1574 (2)	0.3130 (4)	-0.18668 (15)	0.0280 (9)
H3a	0.170585	0.134886	-0.040253	0.0238*
H21a	-0.056 (2)	0.477 (4)	-0.0826 (16)	0.039 (8)*
H22a	0.022501	0.754389	-0.154482	0.0284*
H23a	0.133754	0.868887	-0.261554	0.036*
H24a	0.26697	0.642761	-0.318111	0.0401*
H25a	0.27592	0.290219	-0.273471	0.0415*
H26a	0.163024	0.169256	-0.168777	0.0336*
O1b	0.48808 (16)	0.7008 (3)	0.09258 (11)	0.0252 (6)
O2b	0.37169 (15)	0.2848 (3)	0.05189 (11)	0.0256 (6)
O3b	0.61718 (16)	0.2613 (3)	0.13076 (12)	0.0272 (6)
O4b	0.45602 (17)	0.4400 (4)	0.25620 (12)	0.0312 (7)
Li1b	0.4753 (3)	0.4094 (7)	0.1362 (3)	0.0260 (14)
H11b	0.534 (2)	0.707 (5)	0.053 (2)	0.054 (10)*
H12b	0.420 (3)	0.758 (6)	0.067 (2)	0.070 (11)*
H21b	0.320 (3)	0.382 (6)	0.049 (2)	0.069 (12)*
H22b	0.341 (3)	0.149 (6)	0.042 (2)	0.067 (11)*
H31b	0.649 (3)	0.210 (6)	0.080 (2)	0.083 (12)*
H32b	0.669 (2)	0.318 (5)	0.1589 (19)	0.042 (10)*
H41b	0.421 (3)	0.541 (5)	0.286 (2)	0.074 (12)*
H42b	0.477 (3)	0.348 (6)	0.293 (2)	0.074 (13)*

**Table S2a.** Fractional atomic coordinates and isotropic or equivalent isotropic displacement parameters (Å<sup>2</sup>) for  $[(\text{Li}(OH_2)_4)_2(C_{20}H_{14}N_2O_4)]$  (**Ib**, form  $\beta$ ).

	$U^{11}$	$U^{22}$	$U^{33}$	$U^{12}$	$U^{13}$	$U^{23}$
O11a	0.0193 (10)	0.0201 (10)	0.0410 (10)	0.0039 (8)	0.0014 (8)	0.0006 (8)
O12a	0.0123 (9)	0.0246 (10)	0.0275 (9)	0.0008 (7)	0.0010 (7)	-0.0006 (7)
N21a	0.0174 (11)	0.0217 (12)	0.0243 (11)	0.0010 (10)	0.0039 (9)	0.0019 (10)
C1a	0.0172 (13)	0.0209 (14)	0.0164 (11)	0.0021 (11)	-0.0014 (10)	-0.0030 (10)
C2a	0.0182 (13)	0.0208 (14)	0.0189 (12)	0.0019 (11)	0.0018 (11)	-0.0002 (11)
C3a	0.0136 (13)	0.0258 (15)	0.0201 (12)	-0.0013 (11)	0.0016 (10)	-0.0028 (11)
C11a	0.0165 (13)	0.0230 (15)	0.0173 (12)	0.0021 (11)	-0.0020 (10)	-0.0018 (11)
C21a	0.0156 (12)	0.0229 (15)	0.0219 (12)	-0.0026 (11)	-0.0031 (11)	-0.0030 (11)
C22a	0.0210 (14)	0.0260 (16)	0.0236 (13)	0.0001 (12)	-0.0041 (11)	-0.0018 (11)
C23a	0.0274 (15)	0.0350 (17)	0.0271 (13)	-0.0072 (13)	-0.0084 (12)	0.0073 (13)
C24a	0.0235 (15)	0.056 (2)	0.0206 (13)	-0.0055 (14)	-0.0007 (12)	0.0091 (14)
C25a	0.0228 (15)	0.056 (2)	0.0252 (13)	0.0101 (14)	0.0055 (12)	0.0029 (14)
C26a	0.0264 (14)	0.0299 (16)	0.0276 (13)	0.0069 (13)	0.0006 (12)	0.0006 (12)
O1b	0.0216 (10)	0.0287 (11)	0.0252 (10)	0.0006 (9)	-0.0017 (9)	0.0014 (8)
O2b	0.0181 (10)	0.0207 (11)	0.0380 (11)	0.0021 (9)	-0.0012 (8)	-0.0024 (9)
O3b	0.0209 (10)	0.0350 (12)	0.0254 (10)	-0.0003 (9)	-0.0017 (9)	-0.0044 (9)
O4b	0.0371 (12)	0.0311 (12)	0.0255 (10)	0.0053 (10)	0.0027 (9)	0.0010 (10)
Li1b	0.023 (2)	0.024 (3)	0.031 (2)	0.0005 (19)	0.0019 (19)	-0.0010 (19)

 $\textbf{Table S2b.} \ \text{Atomic displacement parameters } (\text{\AA}^2) \ \text{for } [(\text{Li}(\text{OH}_2)_4)_2(\text{C}_{20}\text{H}_{14}\text{N}_2\text{O}_4)] \ (\textbf{lb}, \ \text{form} \ \beta).$ 

# **Table S2c.** Geometric parameters (Å, °) for [(Li(OH<sub>2</sub>)<sub>4</sub>)<sub>2</sub>(C<sub>20</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>)] (**Ib**, form $\beta$ ).

O11a—C11a	1.248 (3)	C24a—C25a	1.379 (4)
O12a—C11a	1.288 (3)	C24a—H24a	0.95
N21a—C2a	1.394 (3)	C25a—C26a	1.377 (4)
N21a—C21a	1.391 (3)	C25a—H25a	0.95
C1a—C2a <sup>i</sup>	1.411 (3)	C26a—H26a	0.95
C1a—C3a	1.394 (3)	O1b—Li1b	1.969 (5)
C1a—C11a	1.506 (3)	O1b—H11b	0.85 (3)
C2a—C3a	1.397 (3)	O2b—Li1b	1.969 (4)
С3а—Н3а	0.95	O2b—H21b	0.87 (4)
C21a—C22a	1.400 (3)	O2b—H22b	0.94 (4)
C21a—C26a	1.397 (3)	O3b—Li1b	1.940 (5)
C22a—C23a	1.379 (3)	O3b—H32b	0.84 (3)
C22a—H22a	0.95	O4b—Li1b	1.953 (4)
C23a—C24a	1.385 (4)	O4b—H41b	0.91 (3)
C23a—H23a	0.95	O4b—H42b	0.86 (4)
C2a—N21a—C21a	128.6 (2)	C23a—C24a—H24a	120.74
C2a <sup>i</sup> —C1a—C3a	119.1 (2)	C25a—C24a—H24a	120.74
C2a <sup>i</sup> —C1a—C11a	123.3 (2)	C24a—C25a—C26a	121.2 (3)
C3a—C1a—C11a	117.5 (2)	C24a—C25a—H25a	119.4
N21a—C2a—C1a <sup>i</sup>	120.5 (2)	C26a—C25a—H25a	119.4
N21a—C2a—C3a	121.8 (2)	C21a—C26a—C25a	120.7 (3)
C1a <sup>i</sup> —C2a—C3a	117.6 (2)	C21a—C26a—H26a	119.66
C1a—C3a—C2a	123.2 (2)	C25a—C26a—H26a	119.66
С1а—С3а—Н3а	118.39	Li1b—O1b—H11b	112 (2)
С2а—С3а—Н3а	118.39	Li1b—O2b—H21b	101 (2)
O11a-C11a-O12a	122.9 (2)	Li1b—O2b—H22b	135 (2)
O11a—C11a—C1a	119.2 (2)	H21b—O2b—H22b	111 (3)
O12a—C11a—C1a	117.8 (2)	Li1b—O3b—H32b	114 (2)
N21a—C21a—C22a	117.7 (2)	Li1b—O4b—H41b	131 (2)
N21a—C21a—C26a	124.3 (2)	Li1b—O4b—H42b	125 (2)
C22a—C21a—C26a	118.0 (2)	H41b—O4b—H42b	104 (3)
C21a—C22a—C23a	120.5 (2)	O1b—Li1b—O2b	100.4 (2)
C21a—C22a—H22a	119.76	O1b—Li1b—O3b	110.7 (2)
C23a—C22a—H22a	119.76	O1b—Li1b—O4b	105.7 (2)
C22a—C23a—C24a	121.1 (3)	O2b—Li1b—O3b	108.1 (2)
C22a—C23a—H23a	119.44	O2b—Li1b—O4b	128.7 (2)
C24a—C23a—H23a	119.45	O3b—Li1b—O4b	102.8 (2)
C23a—C24a—C25a	118.5 (2)		

Symmetry code: (i) -x, -y, -z.

<i>D</i> —H… <i>A</i>	DH	H <i>A</i>	D····A	<i>D</i> —H… <i>A</i>
C3a—H3a…O12a	0.95	2.42	2.771 (3)	101.77
N21 <i>a</i> —H21 <i>a</i> …O11a <sup>i</sup>	0.95 (3)	1.94 (3)	2.678 (3)	133 (2)
O1 <i>b</i> —H11 <i>b</i> …O2 <i>b</i> <sup>ii</sup>	0.85 (3)	2.06 (3)	2.901 (3)	173 (3)
O1 <i>b</i> —H12 <i>b</i> …O12a <sup>iii</sup>	0.97 (3)	1.78 (3)	2.751 (2)	177 (3)
O2 <i>b</i> —H21 <i>b</i> …O11a <sup>iii</sup>	0.87 (4)	1.82 (4)	2.687 (3)	176 (3)
O2 <i>b</i> —H22 <i>b</i> …O12a	0.94 (4)	1.85 (4)	2.784 (3)	172 (3)
O3 <i>b</i> —H31 <i>b</i> …O12a <sup>iv</sup>	0.97 (4)	1.76 (4)	2.730 (3)	176 (3)
O3 <i>b</i> —H31 <i>b</i> …C11a <sup>iv</sup>	0.97 (4)	2.48 (4)	3.359 (3)	151 (3)
O3 <i>b</i> —H32 <i>b</i> …C24a <sup>ii</sup>	0.84 (3)	2.35 (3)	3.140 (3)	159 (3)
O4 <i>b</i> —H41 <i>b</i> …O3 <i>b</i> <sup>∨</sup>	0.91 (3)	1.98 (3)	2.869 (3)	164 (3)
O4 <i>b</i> —H42 <i>b</i> …O1 <i>b</i> <sup>vi</sup>	0.86 (4)	2.09 (4)	2.913 (3)	162 (3)

**Table S2d.** Hydrogen-bond geometry (Å, °) for  $[(\text{Li}(OH_2)_4)_2(C_{20}H_{14}N_2O_4)]$  (**Ib**, form  $\beta$ ).

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



**Figure S2b.** Representation of hydrogen bonds (dashed lines) for  $[(Li(OH_2)_4)_2(C_{20}H_{14}N_2O_4)]$  (**Ib**, form  $\beta$ ). Symmetry codes: (i) -x, -y, -z; (ii) -x+1, -y+1, -z; (iii) x, y+1, z; (iv) -x+1, -y, -z; (v) -x+1, y+1/2, -z+1/2; (vi) -x+1, y-1/2, -z+1/2.

# 3. Compound $[Mg(OH_2)_6(C_{20}H_{14}N_2O_4)] \cdot 2.8H_2O$ (II)



Figure S3a. Crystals of  $[Mg(OH_2)_6(C_{20}H_{14}N_2O_4)]$ -2.8H<sub>2</sub>O (II) in light yellow/green solution.

**Table S3a.** Fractional atomic coordinates and isotropic or equivalent isotropic displacement parameters (Å<sup>2</sup>) for $[Mg(OH_2)_6(C_{20}H_{14}N_2O_4)] \cdot 2.8H_2O$  (II).

	x	У	Ζ	$U_{\rm iso}^*/U_{\rm eq}$
Mg1a	0.5	0	1	0.0183 (8)
O1a	0.5501 (2)	-0.06909 (18)	1.09770 (16)	0.0224 (13)
O2a	0.4548 (2)	-0.11186 (17)	0.90164 (16)	0.0256 (13)
O3a	0.3330 (2)	-0.05649 (19)	0.99118 (18)	0.0256 (13)
Mg1b	0.71038 (9)	0.20930 (8)	0.61074 (7)	0.0186 (5)
O1b	0.6517 (2)	0.2552 (2)	0.49300 (17)	0.0342 (14)
O2b	0.7321 (2)	0.33236 (17)	0.67989 (17)	0.0263 (13)
O3b	0.7646 (2)	0.16761 (18)	0.72782 (15)	0.0251 (13)
O4b	0.6836 (2)	0.08683 (17)	0.53895 (17)	0.0273 (13)
O5b	0.5373 (2)	0.15082 (19)	0.59115 (17)	0.0235 (13)
O6b	0.88038 (19)	0.26701 (19)	0.62818 (17)	0.0254 (13)
Mg1c	0.89496 (9)	0.39970 (8)	0.22477 (7)	0.0177 (5)
01c	1.0066 (2)	0.51264 (18)	0.33133 (16)	0.0290 (13)
O2c	0.8278 (2)	0.47857 (19)	0.14907 (16)	0.0255 (13)
O3c	0.7933 (2)	0.28343 (17)	0.11772 (17)	0.0312 (13)
O4c	0.9598 (2)	0.31651 (18)	0.29722 (16)	0.0239 (13)
O5c	0.7664 (3)	0.3697 (2)	0.2644 (2)	0.0452 (18)
O6c	1.0192 (2)	0.4289 (2)	0.1772 (2)	0.0377 (16)
011d	0.8206 (2)	0.60577 (17)	0.56807 (15)	0.0279 (12)
012d	0.7684 (2)	0.46249 (18)	0.58551 (18)	0.0384 (14)
N21d	0.3481 (3)	0.3354 (2)	0.51513 (19)	0.0214 (15)
C1d	0.6187 (3)	0.5171 (2)	0.5296 (2)	0.0162 (16)
<u>C2d</u>	0 4226 (3)	0 4176 (2)	0.5081 (2)	0.0192 (16)
C3d	0.5403 (3)	0 4370 (2)	0.5353 (2)	0.0200 (17)
<u>C11d</u>	0 7446 (3)	0.5300 (3)	0.5636 (2)	0.0208 (17)
C21d	0.3767 (3)	0 2889 (2)	0.5834 (2)	0.0181 (16)
C22d	0 2991 (3)	0 1972 (2)	0.5684 (2)	0.0245 (18)
C23d	0.3187 (3)	0 1500 (3)	0.6351 (2)	0.031 (2)
C24d	0.4159 (3)	0 1912 (3)	0.7178 (2)	0.031 (2)
C25d	0.4935 (3)	0.2809 (3)	0,7330 (2)	0.0285 (19)
C26d	0 4740 (3)	0.3300 (3)	0.6668 (2)	0.0251 (18)
H3d	0.568348	0.393007	0.559074	0.024*
H21d	0.275 (3)	0 320 (3)	0.486 (2)	0.021
H22d	0.232471	0.167258	0.511629	0.0294*
H23d	0.264533	0.088339	0.624026	0.0204
H24d	0.204000	0.158259	0.763412	0.0375*
H25d	0.561139	0.309547	0 789341	0.0342*
H26d	0.527712	0.3020/13	0.678754	0.0301*
0110	0.635/18 (19)	0.39/53 (16)	0.98505 (15)	0.0301
0120	0.57542 (19)	0.35400 (16)	1 00013 (15)	0.0241 (12)
0120	0.00072 (19)	0.23000 (10)	0.82106 (15)	0.0246 (12)
	0.04856 (10)	0.19139 (10)	0.82190 (13)	0.0200 (12)
N210	0.04850 (19)	0.33093 (10)	0.88977 (19)	0.0209 (11)
NE10	0.4714 (3)	0.4330 (2)	0.00977 (19)	0.0203 (14)
	0.1040 (0)	0.1340 (2)	0.32200 (13)	0.0209 (13)
	0.4014 (0)	0.3032 (2)	0.3000 (2)	0.0157 (10)
<u>C30</u>	0.0347 (0)	0.3737 (2)	0.0300 (2)	
	0.2730 (3)		0.0043 (2)	
<u>C50</u>	0.1340 (3)	0.2192 (2)	0.01 13 (2)	0.0152 (15)
	0.2317(3)	0.2142 (2)	0.9130 (2)	
	0.3494 (3)	0.2314 (2)	0.9452 (2)	
C11e	0.5559 (3)	0.3194 (2)	0.9771 (2)	0.0172 (16)

C41e	0.0687 (3)	0.2672 (2)	0.8319 (2)	0.0164 (16)
C21e	0.4454 (3)	0.4995 (2)	0.8202 (2)	0.0164 (16)
C22e	0.5148 (3)	0.5932 (2)	0.8358 (2)	0.0217 (17)
C23e	0.4986 (3)	0.6372 (3)	0.7662 (2)	0.0253 (18)
C24e	0.4113 (3)	0.5901 (3)	0.6803 (2)	0.0267 (19)
C25e	0.3407 (3)	0.4979 (3)	0.6649 (2)	0.0258 (18)
C26e	0.3575 (3)	0.4526 (2)	0.7339 (2)	0.0218 (17)
C51e	0.1810 (3)	0.0906 (2)	0.9927 (2)	0.0172 (16)
C52e	0.2756 (3)	0.1356 (3)	1.0770 (2)	0.0250 (18)
C53e	0.2955 (3)	0.0912 (3)	1,1459 (2)	0.0280 (19)
C54e	0.2220 (3)	0.0008 (3)	1,1334 (2)	0.030 (2)
C55e	0 1275 (3)	-0.0451 (3)	1 0497 (2)	0.029 (2)
C56e	0 1076 (3)	-0.0009 (2)	0.9798 (2)	0.0246 (18)
H3e	0 249611	0 398375	0.835614	0.0201*
Hee	0.275229	0.187804	0.000014	0.0201
	0.57.5229	0.167.004	0.972330	0.02
H220	0.539 (5)	0.400 (2)	0.922 (2)	0.010 (9)
	0.573637	0.027053	0.094031	0.0201
H23e	0.548032	0.700572	0.777621	0.0304
H24e	0.400047	0.620495	0.632659	0.032*
H25e	0.279834	0.464946	0.606166	0.0309*
H26e	0.308318	0.389128	0.721971	0.0262*
H51e	0.084 (3)	0.120 (3)	0.891 (2)	0.034 (12)*
H52e	0.327321	0.197964	1.087419	0.03*
H53e	0.360987	0.12337	1.20284	0.0336*
H54e	0.235943	-0.02936	1.181212	0.0361*
H55e	0.075738	-0.107296	1.039985	0.0352*
H56e	0.043172	-0.033665	0.922557	0.0295*
O11f	0 42731 (19)	0 21867 (17)	0 20/22 (15)	0.0260 (12)
<u> </u>	0.12101 (10)	0.21007 (17)	0.36433 (15)	0.0209 (12)
012f	0.37975 (19)	0.08077 (16)	0.41478 (15)	0.0240 (12)
012f 041f	0.37975 (19) -0.21893 (19)	0.21007 (17) 0.08077 (16) -0.00043 (17)	0.38433 (15) 0.41478 (15) 0.21802 (15)	0.0240 (12) 0.0241 (12) 0.0261 (12)
012f 041f 042f	0.37975 (19) -0.21893 (19) -0.16571 (19)	0.08077 (16) -0.00043 (17) 0.13435 (16)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16)	0.0269 (12) 0.0240 (12) 0.0261 (12) 0.0267 (12)
012f 041f 042f N21f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3)	0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2)	0.0269 (12)           0.0240 (12)           0.0261 (12)           0.0267 (12)           0.0222 (15)
O12f           O41f           O42f           N21f           N51f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3)	0.21607 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19)	0.0269 (12)           0.0240 (12)           0.0261 (12)           0.0267 (12)           0.0222 (15)           0.0212 (14)
012f           041f           042f           N21f           N51f           C1f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2)	0.0269 (12)           0.0240 (12)           0.0261 (12)           0.0267 (12)           0.0222 (15)           0.0212 (14)           0.0165 (16)
O12f           O41f           O42f           N21f           N51f           C1f           C2f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3)	0.21807 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2)	0.0269 (12)           0.0240 (12)           0.0261 (12)           0.0267 (12)           0.0222 (15)           0.0212 (14)           0.0165 (16)           0.0171 (16)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3)	0.21607 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2)	0.0269 (12)           0.0240 (12)           0.0261 (12)           0.0267 (12)           0.0222 (15)           0.0212 (14)           0.0165 (16)           0.0171 (16)           0.0162 (15)
O12f           O41f           O42f           N21f           N51f           C1f           C2f           C3f           C4f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3)	0.21607 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2583 (2)	0.0269 (12)           0.0240 (12)           0.0261 (12)           0.0267 (12)           0.0222 (15)           0.0212 (14)           0.0165 (16)           0.0171 (16)           0.0162 (15)           0.0152 (15)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2)	0.0269 (12)           0.0240 (12)           0.0261 (12)           0.0267 (12)           0.0222 (15)           0.0212 (14)           0.0165 (16)           0.0162 (15)           0.0152 (15)           0.0162 (15)           0.0155 (16)
012f           041f           042f           N21f           C1f           C2f           C3f           C4f           C5f           C6f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.1445 (3)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3390 (2)	0.0269 (12)         0.0240 (12)         0.0261 (12)         0.0267 (12)         0.0222 (15)         0.0212 (14)         0.0165 (16)         0.0152 (15)         0.0152 (15)         0.0165 (16)         0.0165 (16)         0.0165 (16)         0.0165 (16)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3)	0.21807 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.1431 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2583 (2) 0.2583 (2) 0.3041 (2) 0.3390 (2) 0.3795 (2)	0.0269 (12)         0.0240 (12)         0.0261 (12)         0.0267 (12)         0.0222 (15)         0.0212 (14)         0.0165 (16)         0.0152 (15)         0.0152 (15)         0.0165 (16)         0.0165 (16)         0.0165 (16)         0.0186 (16)         0.0189 (17)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C41f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.1431 (2) 0.0711 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2500 (2) 0.3041 (2) 0.3090 (2) 0.3795 (2) 0.2170 (2)	0.0269 (12)           0.0240 (12)           0.0261 (12)           0.0267 (12)           0.0222 (15)           0.0212 (14)           0.0165 (16)           0.0162 (15)           0.0162 (15)           0.0165 (16)           0.0165 (16)           0.0165 (16)           0.0186 (16)           0.0189 (17)           0.0185 (16)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C2f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3) 0.2251 (3)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.1431 (2) 0.0711 (2) 0.3129 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3390 (2) 0.3795 (2) 0.2170 (2) 0.2097 (2)	0.0269 (12) 0.0240 (12) 0.0261 (12) 0.0267 (12) 0.0222 (15) 0.0212 (14) 0.0165 (16) 0.0162 (15) 0.0162 (15) 0.0165 (16) 0.0186 (16) 0.0189 (17) 0.0185 (16) 0.0175 (16)
012f           041f           042f           N21f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C21f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3) 0.2251 (3) 0.2845 (3)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.1431 (2) 0.0711 (2) 0.3129 (2) 0.4087 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3390 (2) 0.3795 (2) 0.2170 (2) 0.2097 (2) 0.2289 (2)	0.0289 (12)           0.0240 (12)           0.0261 (12)           0.0267 (12)           0.0222 (15)           0.0212 (14)           0.0165 (16)           0.0152 (15)           0.0165 (16)           0.0165 (16)           0.0186 (16)           0.0185 (16)           0.0185 (16)           0.0175 (16)           0.02175 (16)           0.0231 (17)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C3f           C4f           C5f           C6f           C11f           C21f           C22f           C23f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3) 0.2251 (3) 0.2845 (3) 0.2607 (3)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.1431 (2) 0.3129 (2) 0.4087 (2) 0.4558 (3)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3390 (2) 0.3795 (2) 0.2170 (2) 0.2097 (2) 0.2289 (2) 0.1610 (2)	0.0269 (12)         0.0240 (12)         0.0261 (12)         0.0267 (12)         0.0222 (15)         0.0212 (14)         0.0165 (16)         0.0162 (15)         0.0162 (15)         0.0165 (16)         0.0165 (16)         0.0165 (16)         0.0186 (16)         0.0186 (16)         0.0185 (16)         0.0175 (16)         0.0231 (17)         0.0274 (19)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C3f           C4f           C5f           C6f           C11f           C21f           C22f           C23f           C24f	0.37975 (19) -0.21893 (19) -0.269 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3) 0.2251 (3) 0.2845 (3) 0.2607 (3) 0.1761 (3)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.1431 (2) 0.3129 (2) 0.4087 (2) 0.4086 (3)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3390 (2) 0.3795 (2) 0.2170 (2) 0.2097 (2) 0.2289 (2) 0.1610 (2) 0.0748 (2)	0.0269 (12)         0.0240 (12)         0.0261 (12)         0.0267 (12)         0.0222 (15)         0.0212 (14)         0.0165 (16)         0.0165 (15)         0.0162 (15)         0.0165 (16)         0.0165 (16)         0.0165 (16)         0.0165 (16)         0.0186 (16)         0.0186 (16)         0.0185 (16)         0.0175 (16)         0.0231 (17)         0.0274 (19)         0.0267 (19)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C22f           C23f           C24f           C25f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3) 0.2251 (3) 0.2845 (3) 0.2607 (3) 0.1155 (3)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.1431 (2) 0.3129 (2) 0.4087 (2) 0.4087 (2) 0.4086 (3) 0.3135 (3)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3090 (2) 0.3795 (2) 0.2170 (2) 0.2097 (2) 0.2289 (2) 0.1610 (2) 0.0748 (2) 0.0553 (2)	0.0269 (12) 0.0240 (12) 0.0261 (12) 0.0267 (12) 0.0222 (15) 0.0212 (14) 0.0165 (16) 0.0162 (15) 0.0162 (15) 0.0162 (15) 0.0165 (16) 0.0186 (16) 0.0186 (16) 0.0185 (16) 0.0175 (16) 0.0231 (17) 0.0274 (19) 0.0267 (19) 0.0281 (19)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C23f           C24f           C25f           C26f           C25f           C26f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3) 0.2251 (3) 0.2845 (3) 0.2607 (3) 0.1155 (3) 0.1402 (3)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.1431 (2) 0.0452 (2) 0.1431 (2) 0.3129 (2) 0.4087 (2) 0.4087 (2) 0.4086 (3) 0.3135 (3) 0.2664 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3795 (2) 0.2170 (2) 0.2097 (2) 0.2289 (2) 0.1610 (2) 0.0748 (2) 0.0553 (2) 0 1218 (2)	0.0269 (12) 0.0240 (12) 0.0261 (12) 0.0267 (12) 0.0222 (15) 0.0212 (14) 0.0165 (16) 0.0165 (16) 0.0162 (15) 0.0162 (15) 0.0165 (16) 0.0186 (16) 0.0186 (16) 0.0185 (16) 0.0185 (16) 0.0175 (16) 0.0231 (17) 0.0274 (19) 0.0281 (19) 0.0225 (17)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C23f           C22f           C23f           C24f           C25f           C2f           C21f           C22f           C23f           C24f           C25f           C26f           C25f           C25f           C25f           C25f           C25f           C25f           C25f           C25f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3) 0.2251 (3) 0.2845 (3) 0.2607 (3) 0.1761 (3) 0.1402 (3) -0.0260 (3)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.1431 (2) 0.3129 (2) 0.4087 (2) 0.4087 (2) 0.4086 (3) 0.3135 (3) 0.2664 (2) -0.1031 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3041 (2) 0.3795 (2) 0.2170 (2) 0.2097 (2) 0.2289 (2) 0.1610 (2) 0.0748 (2) 0.0553 (2) 0.1218 (2) 0.3801 (2)	0.0269 (12)         0.0240 (12)         0.0261 (12)         0.0267 (12)         0.0222 (15)         0.0212 (14)         0.0165 (16)         0.0165 (15)         0.0162 (15)         0.0165 (16)         0.0162 (15)         0.0165 (16)         0.0165 (16)         0.0165 (16)         0.0186 (16)         0.0185 (16)         0.0185 (16)         0.0175 (16)         0.0231 (17)         0.0274 (19)         0.0281 (19)         0.0225 (17)         0.0186 (17)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C23f           C21f           C23f           C22f           C23f           C22f           C23f           C22f           C23f           C25f           C26f           C51f           C52f	0.37975 (19) -0.21893 (19) -0.269 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3) 0.2251 (3) 0.2845 (3) 0.2607 (3) 0.1155 (3) 0.1402 (3) -0.0260 (3) 0.0633 (3)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.1431 (2) 0.0711 (2) 0.3129 (2) 0.4087 (2) 0.4086 (3) 0.3135 (3) 0.2664 (2) -0.1031 (2) -0.0584 (3)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3041 (2) 0.3795 (2) 0.2170 (2) 0.2170 (2) 0.2097 (2) 0.2289 (2) 0.1610 (2) 0.0748 (2) 0.0553 (2) 0.1218 (2) 0.3801 (2) 0.4669 (2)	0.0269 (12)         0.0240 (12)         0.0261 (12)         0.0267 (12)         0.0222 (15)         0.0212 (14)         0.0165 (16)         0.0165 (15)         0.0162 (15)         0.0165 (16)         0.0165 (16)         0.0165 (16)         0.0165 (16)         0.0186 (16)         0.0185 (16)         0.0185 (16)         0.0175 (16)         0.0231 (17)         0.0267 (19)         0.0281 (19)         0.0225 (17)         0.0186 (17)         0.0316 (19)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C22f           C23f           C24f           C25f           C26f           C51f           C52f           C53f	0.12101 (10) 0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3) 0.2251 (3) 0.2845 (3) 0.2607 (3) 0.1761 (3) 0.1155 (3) 0.1402 (3) -0.0260 (3) 0.0633 (3) 0.0789 (3)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.1431 (2) 0.0711 (2) 0.3129 (2) 0.4087 (2) 0.4087 (2) 0.4086 (3) 0.3135 (3) 0.2664 (2) -0.1031 (2) -0.0584 (3) -0.1051 (3)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2500 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3041 (2) 0.3795 (2) 0.2170 (2) 0.2097 (2) 0.2289 (2) 0.1610 (2) 0.0748 (2) 0.0748 (2) 0.1218 (2) 0.3801 (2) 0.4669 (2) 0.5341 (2)	0.0269 (12)         0.0240 (12)         0.0261 (12)         0.0267 (12)         0.0222 (15)         0.0212 (14)         0.0165 (16)         0.0165 (15)         0.0162 (15)         0.0162 (15)         0.0165 (16)         0.0165 (16)         0.0186 (16)         0.0186 (16)         0.0185 (16)         0.0175 (16)         0.0231 (17)         0.0267 (19)         0.0281 (19)         0.0225 (17)         0.0316 (19)         0.034 (2)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C23f           C24f           C25f           C5f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3) 0.2251 (3) 0.2251 (3) 0.22607 (3) 0.1402 (3) -0.1402 (3) -0.0260 (3) 0.0633 (3) 0.0789 (3) 0.0067 (2)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0452 (2) 0.0452 (2) 0.0452 (2) 0.1431 (2) 0.0711 (2) 0.3129 (2) 0.4087 (2) 0.4087 (2) 0.4086 (3) 0.2664 (2) -0.1031 (2) -0.0584 (3) -0.1051 (3) -0.1057 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3795 (2) 0.2170 (2) 0.2097 (2) 0.2289 (2) 0.1610 (2) 0.0748 (2) 0.0553 (2) 0.1218 (2) 0.3801 (2) 0.4669 (2) 0.5341 (2) 0.5174 (2)	0.0269 (12) 0.0240 (12) 0.0261 (12) 0.0267 (12) 0.0222 (15) 0.0212 (14) 0.0165 (16) 0.0162 (15) 0.0162 (15) 0.0162 (15) 0.0165 (16) 0.0186 (16) 0.0186 (16) 0.0185 (16) 0.0185 (16) 0.0175 (16) 0.0231 (17) 0.0274 (19) 0.0267 (19) 0.0281 (19) 0.0225 (17) 0.0186 (17) 0.0316 (19) 0.034 (2) 0.030 (2)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C23f           C24f           C25f           C26f           C51f           C52f           C53f           C54f           C55f	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3) 0.2251 (3) 0.2251 (3) 0.2845 (3) 0.2607 (3) 0.1761 (3) 0.1155 (3) 0.1402 (3) -0.0260 (3) 0.0633 (3) 0.0067	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.0452 (2) 0.1431 (2) 0.0711 (2) 0.3129 (2) 0.4087 (2) 0.4087 (2) 0.4086 (3) 0.2664 (2) -0.1031 (2) -0.0584 (3) -0.1051 (3) -0.1967 (3) 0.2417 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3390 (2) 0.3795 (2) 0.2170 (2) 0.2097 (2) 0.2289 (2) 0.1610 (2) 0.748 (2) 0.0748 (2) 0.3801 (2) 0.4669 (2) 0.5174 (2) 0.4214 (2) 0.4214 (2) 0.4147 (2	0.0269 (12) 0.0240 (12) 0.0261 (12) 0.0267 (12) 0.0222 (15) 0.0212 (14) 0.0165 (16) 0.0165 (16) 0.0162 (15) 0.0162 (15) 0.0165 (16) 0.0186 (16) 0.0186 (16) 0.0185 (16) 0.0185 (16) 0.0175 (16) 0.0231 (17) 0.0274 (19) 0.0267 (19) 0.0267 (19) 0.0281 (19) 0.0225 (17) 0.0186 (17) 0.0316 (19) 0.030 (2) 0.0200 (10)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C23f           C24f           C25f           C26f           C51f           C26f           C51f           C52f           C53f           C54f           C55f           C56f	0.12101 (10) 0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3) 0.2251 (3) 0.2845 (3) 0.2607 (3) 0.1761 (3) 0.1155 (3) 0.1402 (3) -0.0260 (3) 0.0633 (3) 0.0789 (3) 0.0067 (3) -0.0816 (3) 0.0078 (2)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.1431 (2) 0.0711 (2) 0.3129 (2) 0.4087 (2) 0.4087 (2) 0.4086 (3) 0.3135 (3) 0.2664 (2) -0.1031 (2) -0.0584 (3) -0.1051 (3) -0.2417 (3) 0.1050 (2)	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3041 (2) 0.3795 (2) 0.2170 (2) 0.2170 (2) 0.2097 (2) 0.2289 (2) 0.1610 (2) 0.0748 (2) 0.0553 (2) 0.1218 (2) 0.3801 (2) 0.4669 (2) 0.5341 (2) 0.4314 (2) 0.2624 (2)	0.0269 (12)           0.0240 (12)           0.0261 (12)           0.0267 (12)           0.0222 (15)           0.0212 (14)           0.0165 (16)           0.0165 (15)           0.0165 (16)           0.0165 (16)           0.0165 (16)           0.0165 (16)           0.0165 (16)           0.0186 (16)           0.0185 (16)           0.0185 (16)           0.0175 (16)           0.0231 (17)           0.0267 (19)           0.0281 (19)           0.0281 (19)           0.034 (2)           0.030 (2)           0.0299 (19)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C23f           C24f           C25f           C23f           C24f           C25f           C26f           C51f           C52f           C53f           C54f           C55f           C56f           H24	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3) 0.2251 (3) 0.2845 (3) 0.2607 (3) 0.2607 (3) 0.1155 (3) 0.1402 (3) -0.0260 (3) 0.0633 (3) 0.0789 (3) 0.0067 (3) -0.0978 (3) 0.023747	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.1431 (2) 0.0452 (2) 0.1431 (2) 0.0711 (2) 0.3129 (2) 0.4087 (2) 0.4087 (2) 0.4086 (3) 0.3135 (3) 0.2664 (2) -0.1031 (2) -0.0584 (3) -0.1051 (3) -0.1967 (3) -0.1960 (2) 0.200778	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3041 (2) 0.3795 (2) 0.2170 (2) 0.2170 (2) 0.2289 (2) 0.2097 (2) 0.2289 (2) 0.1610 (2) 0.0748 (2) 0.0748 (2) 0.3801 (2) 0.4669 (2) 0.5341 (2) 0.4314 (2) 0.3634 (2) 0.2178 (2) 0.2178 (2) 0.4178 (2) 0.5174 (2) 0.3634 (2) 0.2178 (2) 0.2178 (2) 0.3634 (2) 0.2178 (2) 0.2178 (2) 0.3634 (2) 0.2178 (2) 0.2178 (2) 0.3634 (2) 0.2178 (2) 0.2178 (2) 0.3110 (2) 0.4110 (2) 0.5174 (2) 0.3634 (2) 0.2178 (	0.0269 (12)         0.0240 (12)         0.0261 (12)         0.0267 (12)         0.0222 (15)         0.0212 (14)         0.0165 (16)         0.0165 (15)         0.0162 (15)         0.0165 (16)         0.0165 (16)         0.0165 (16)         0.0165 (16)         0.0186 (16)         0.0185 (16)         0.0185 (16)         0.0175 (16)         0.0231 (17)         0.0267 (19)         0.0281 (19)         0.0281 (19)         0.034 (2)         0.030 (2)         0.0229 (17)         0.0229 (17)
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C23f           C24f           C25f           C26f           C51f           C26f           C51f           C52f           C53f           C54f           C55f           C56f           H3f	0.12101 (10) 0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.0248 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3) 0.2251 (3) 0.22607 (3) 0.2607 (3) 0.1155 (3) 0.1155 (3) 0.1402 (3) -0.0260 (3) 0.0633 (3) 0.0067 (3) -0.0816 (3) -0.0978 (3) 0.033747 0.47200	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.0452 (2) 0.1431 (2) 0.0711 (2) 0.3129 (2) 0.4087 (2) 0.4087 (2) 0.4086 (3) 0.2664 (2) -0.1031 (2) -0.0584 (3) -0.1051 (3) -0.1967 (3) -0.1960 (2) 0.201778 0.02552	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3041 (2) 0.3795 (2) 0.2170 (2) 0.2097 (2) 0.2289 (2) 0.1610 (2) 0.2289 (2) 0.1610 (2) 0.0748 (2) 0.0553 (2) 0.1218 (2) 0.3801 (2) 0.4669 (2) 0.5341 (2) 0.4314 (2) 0.3634 (2) 0.217842 0.217842	0.0269 (12) 0.0240 (12) 0.0261 (12) 0.0267 (12) 0.0222 (15) 0.0212 (14) 0.0165 (16) 0.0165 (16) 0.0162 (15) 0.0162 (15) 0.0165 (16) 0.0186 (16) 0.0186 (16) 0.0185 (16) 0.0175 (16) 0.0175 (16) 0.0231 (17) 0.0274 (19) 0.0267 (19) 0.0281 (19) 0.0225 (17) 0.0186 (17) 0.0316 (19) 0.034 (2) 0.030 (2) 0.0299 (19) 0.0229 (17) 0.0195* 0.0202*
012f           041f           042f           N21f           N51f           C1f           C2f           C3f           C4f           C5f           C6f           C11f           C21f           C2ff           C2ff           C3f           C4f           C5f           C6f           C11f           C21f           C23f           C24f           C25f           C5ff           C5ff	0.37975 (19) -0.21893 (19) -0.16571 (19) 0.2569 (3) -0.0510 (3) 0.2245 (3) 0.1830 (3) 0.2245 (3) 0.1830 (3) 0.0630 (3) -0.0158 (3) 0.0248 (3) 0.0248 (3) 0.1445 (3) 0.3516 (3) -0.1420 (3) 0.2251 (3) 0.2251 (3) 0.2607 (3) 0.2607 (3) 0.1761 (3) 0.1155 (3) 0.1402 (3) -0.0260 (3) 0.0633 (3) 0.0789 (3) 0.0067 (3) -0.0816 (3) -0.0978 (3) 0.033747 0.17286 0.207 (2)	0.21007 (17) 0.08077 (16) -0.00043 (17) 0.13435 (16) 0.2666 (2) -0.0579 (2) 0.1247 (2) 0.1247 (2) 0.1855 (2) 0.1621 (2) 0.0845 (2) 0.0230 (2) 0.0452 (2) 0.0452 (2) 0.0452 (2) 0.1431 (2) 0.0711 (2) 0.3129 (2) 0.4087 (2) 0.4087 (2) 0.4086 (3) 0.2664 (2) -0.1031 (2) -0.0584 (3) -0.1051 (3) -0.1967 (3) -0.1960 (2) 0.201778 0.003582	0.38433 (15) 0.41478 (15) 0.21802 (15) 0.18247 (16) 0.2776 (2) 0.31103 (19) 0.3337 (2) 0.2862 (2) 0.2500 (2) 0.2500 (2) 0.2583 (2) 0.3041 (2) 0.3041 (2) 0.3795 (2) 0.2170 (2) 0.2097 (2) 0.2097 (2) 0.2289 (2) 0.1610 (2) 0.0748 (2) 0.0748 (2) 0.3801 (2) 0.4669 (2) 0.5341 (2) 0.4314 (2) 0.4314 (2) 0.368159 0.217842 0.368159	0.0269 (12) 0.0240 (12) 0.0261 (12) 0.0267 (12) 0.0222 (15) 0.0212 (14) 0.0165 (16) 0.0165 (16) 0.0162 (15) 0.0162 (15) 0.0165 (16) 0.0186 (16) 0.0186 (16) 0.0185 (16) 0.0185 (16) 0.0175 (16) 0.0231 (17) 0.0274 (19) 0.0267 (19) 0.0267 (19) 0.0225 (17) 0.0186 (17) 0.0316 (19) 0.034 (2) 0.0299 (19) 0.0229 (17) 0.0195* 0.0223*

11001	0.044504	0.44004	0.000570	0.0077*
H22f	0.341561	0.44224	0.288579	0.0277*
H23f	0.303391	0.520824	0.17458	0.0329*
H24f	0.159312	0.440929	0.029019	0.0321*
H25f	0.056692	0.280552	-0.004091	0.0337*
H26f	0.098508	0.201078	0.107313	0.027*
H51f	-0.121 (3)	-0.073 (2)	0.275 (2)	0.029 (11)*
H52f	0.113955	0.004837	0.479879	0.0379*
H53f	0.140347	-0.073458	0.592907	0.041*
H54f	0.017409	-0.228265	0.56418	0.0354*
H55f	-0.131715	-0.305085	0.41884	0.0359*
H56f	-0.158767	-0.228317	0.304575	0.0275*
O1g	0.5203 (2)	0.0242 (2)	0.35683 (18)	0.0302 (14)
O1h	0.8169 (3)	0.3582 (2)	0.96763 (19)	0.0415 (17)
O1i	0.6616 (3)	0.10555 (19)	0.27474 (18)	0.0349 (15)
O1j	0.7836 (2)	0.2813 (2)	0.39862 (19)	0.0388 (15)
O1k	0.9853 (3)	0.58111 (19)	0.49029 (17)	0.0362 (14)
011	0.6826 (3)	0.1760 (3)	0.8535 (2)	0.052 (2)
O1m	0.9074 (2)	0.40157 (18)	0.85087 (17)	0.0272 (13)
H11a	0.519 (3)	-0.1265 (5)	1.076 (2)	0.052 (14)*
H12a	0.6225 (10)	-0.049 (2)	1.130 (2)	0.061 (15)*
H21a	0.439 (4)	-0.1634 (11)	0.915 (2)	0.081 (18)*
H22a	0.421 (3)	-0.116 (2)	0.8462 (5)	0.055 (14)*
H31a	0.315 (3)	-0.0237 (19)	1.0196 (17)	0.028 (11)*
H32a	0 282 (2)	-0.082 (3)	0.9376 (10)	0.09 (2)*
H11b	0.5833 (18)	0 237 (4)	0 452 (3)	0 132 (18)*
H12b	0.678 (5)	0.3131 (5)	0.509 (4)	0 132 (18)*
H21b	0.775 (3)	0.347 (2)	0.305 (4)	0.049 (14)*
H22b	0.773(3)	0.3772 (15)	0.656 (2)	0.045 (14)
H31b	0.735 (2)	0.167 (3)	0.000 (2)	0.000 (13)
	0.735 (2)	0.107 (3)	0.7634 (13)	0.047 (13)
	0.6352 (11)	0.176 (3)	0.7539 (17)	0.062 (16)
	0.644 (3)	0.072 (2)	0.4627 (3)	
H420	0.673 (4)	0.0412 (15)	0.562 (2)	0.073 (17)*
H51D	0.511 (3)	0.180 (3)	0.615 (2)	0.066 (16)*
H52b	0.492 (3)	0.124 (3)	0.5367 (8)	0.075 (18)*
H61b	0.9302 (19)	0.298 (2)	0.6806 (9)	0.038 (12)*
H62b	0.907 (2)	0.240 (2)	0.6019 (18)	0.050 (14)*
H11c	1.0761 (13)	0.519 (3)	0.359 (2)	0.069 (17)*
H12c	0.983 (3)	0.533 (3)	0.3650 (19)	0.081 (18)*
H21c	0.7656 (18)	0.453 (2)	0.1008 (13)	0.051 (14)*
H22c	0.862 (3)	0.5358 (6)	0.156 (2)	0.075 (18)*
H31c	0.7236 (10)	0.273 (2)	0.084 (2)	0.048 (13)*
H32c	0.801 (3)	0.2363 (14)	0.134 (3)	0.072 (17)*
H41c	1.0302 (9)	0.3410 (19)	0.3360 (18)	0.047 (13)*
H42c	0.938 (3)	0.2608 (8)	0.273 (2)	0.051 (14)*
H51c	0.766 (3)	0.340 (2)	0.303 (2)	0.036 (12)*
H52c	0.720 (3)	0.395 (3)	0.254 (3)	0.080 (18)*
H61c	1.066 (3)	0.404 (2)	0.186 (3)	0.071 (17)*
H62c	1.042 (3)	0.4801 (16)	0.165 (3)	0.078 (18)*
H11g	0.484 (3)	0.050 (2)	0.372 (3)	0.061 (15)*
H12g	0.490 (3)	-0.0335 (4)	0.349 (3)	0.09 (2)*
H11h	0.765 (3)	0.374 (3)	0.968 (3)	0.080 (18)*
H12h	0.856 (4)	0.349 (4)	1.0169 (16)	0.10 (2)*
H11i	0.612 (3)	0.072 (3)	0.289 (3)	0.082 (19)*
H12i	0.693 (5)	0.077 (3)	0.256 (5)	0.19 (4)*
H11j	0.757 (5)	0.225 (4)	0.357 (3)	0.13 (3)*
H12j	0.740 (5)	0.268 (4)	0.424 (4)	0.20 (4)*

H11k	0.935 (4)	0.576 (5)	0.509 (4)	0.19 (4)*
H12k	1.052 (2)	0.620 (4)	0.527 (3)	0.2*
H11I	0.655 (4)	0.136 (2)	0.877 (3)	0.09 (2)*
H12I	0.727 (6)	0.2280 (19)	0.890 (3)	0.20 (4)*
H11m	0.947 (3)	0.374 (3)	0.843 (3)	0.070 (17)*
H12m	0.890 (4)	0.389 (3)	0.893 (2)	0.068 (17)*

	<i>U</i> <sup>11</sup>	U <sup>22</sup>	$U^{33}$	U <sup>12</sup>	U <sup>13</sup>	$U^{23}$
Mg1a	0.0141 (9)	0.0205 (10)	0.0202 (8)	0.0085 (8)	0.0059 (7)	0.0078 (7)
O1a	0.0176 (15)	0.0205 (16)	0.0236 (14)	0.0084 (12)	0.0034 (12)	0.0061 (12)
O2a	0.0285 (16)	0.0248 (16)	0.0215 (15)	0.0105 (13)	0.0099 (13)	0.0054 (12)
O3a	0.0221 (15)	0.0278 (16)	0.0286 (15)	0.0121 (13)	0.0113 (13)	0.0068 (13)
Mq1b	0.0146 (6)	0.0207 (7)	0.0201 (6)	0.0080 (5)	0.0060 (5)	0.0088 (5)
O1b	0.0179 (15)	0.056 (2)	0.0237 (14)	0.0115 (15)	0.0065 (12)	0.0189 (15)
O2b	0.0281 (16)	0.0250 (15)	0.0282 (16)	0.0155 (12)	0.0107 (14)	0.0096 (13)
O3b	0.0181 (15)	0.0342 (17)	0.0267 (13)	0.0130 (13)	0.0103 (12)	0.0148 (12)
O4b	0.0269 (15)	0.0286 (16)	0.0245 (15)	0.0120 (13)	0.0094 (13)	0.0065 (13)
O5b	0.0177 (14)	0.0281 (16)	0.0272 (15)	0.0110 (13)	0.0105 (13)	0.0087 (12)
O6b	0.0139 (14)	0.0337 (17)	0.0240 (14)	0.0084 (13)	0.0062 (13)	0.0031 (13)
Mg1c	0.0136 (6)	0.0184 (7)	0.0205 (6)	0.0078 (5)	0.0060 (5)	0.0048 (5)
O1c	0.0218 (16)	0.0293 (16)	0.0292 (14)	0.0132 (13)	0.0041 (13)	-0.0003 (12)
O2c	0.0205 (15)	0.0197 (16)	0.0261 (15)	0.0091 (13)	0.0005 (13)	0.0039 (12)
O3c	0.0238 (17)	0.0231 (16)	0.0315 (15)	0.0130 (12)	-0.0044 (13)	0.0035 (13)
O4c	0.0195 (16)	0.0213 (16)	0.0237 (14)	0.0095 (12)	0.0023 (12)	0.0030 (12)
O5c	0.044 (2)	0.062 (2)	0.067 (2)	0.0385 (18)	0.0425 (18)	0.0436 (19)
O6c	0.0410 (18)	0.0335 (19)	0.067 (2)	0.0241 (16)	0.0412 (17)	0.0256 (16)
O11d	0.0153 (14)	0.0250 (15)	0.0339 (14)	0.0061 (12)	0.0038 (12)	0.0097 (12)
O12d	0.0208 (15)	0.0390 (18)	0.0634 (19)	0.0188 (14)	0.0172 (14)	0.0348 (15)
N21d	0.0110 (17)	0.0211 (18)	0.0261 (17)	0.0052 (14)	0.0030 (14)	0.0104 (14)
C1d	0.0161 (19)	0.019 (2)	0.0134 (17)	0.0083 (16)	0.0059 (15)	0.0043 (15)
C2d	0.020 (2)	0.021 (2)	0.0138 (17)	0.0080 (17)	0.0055 (15)	0.0035 (15)
C3d	0.021 (2)	0.021 (2)	0.0192 (18)	0.0108 (17)	0.0080 (16)	0.0075 (15)
C11d	0.020 (2)	0.024 (2)	0.0203 (18)	0.0117 (18)	0.0078 (16)	0.0089 (16)
C21d	0.0175 (19)	0.020 (2)	0.0223 (18)	0.0113 (17)	0.0108 (16)	0.0094 (16)
C22d	0.025 (2)	0.020 (2)	0.024 (2)	0.0075 (18)	0.0100 (17)	0.0033 (17)
C23d	0.038 (3)	0.022 (2)	0.033 (2)	0.009 (2)	0.020 (2)	0.0137 (18)
C24d	0.042 (3)	0.030 (2)	0.032 (2)	0.019 (2)	0.021 (2)	0.0192 (19)
C25d	0.032 (2)	0.032 (2)	0.0204 (19)	0.014 (2)	0.0086 (18)	0.0106 (18)
C26d	0.021 (2)	0.024 (2)	0.028 (2)	0.0076 (18)	0.0093 (17)	0.0088 (17)
O11e	0.0139 (13)	0.0211 (14)	0.0296 (14)	0.0039 (12)	0.0051 (11)	0.0083 (11)
O12e	0.0150 (13)	0.0181 (14)	0.0357 (14)	0.0072 (11)	0.0054 (11)	0.0090 (12)
O41e	0.0145 (13)	0.0212 (15)	0.0317 (14)	0.0059 (12)	0.0076 (11)	0.0131 (11)
O42e	0.0163 (13)	0.0182 (14)	0.0273 (13)	0.0099 (11)	0.0060 (11)	0.0088 (11)
N21e	0.0091 (17)	0.0221 (18)	0.0238 (16)	0.0040 (14)	0.0032 (14)	0.0099 (14)
N51e	0.0137 (18)	0.0231 (19)	0.0239 (16)	0.0083 (15)	0.0050 (14)	0.0115 (14)
C1e	0.0161 (19)	0.018 (2)	0.0159 (17)	0.0076 (16)	0.0062 (15)	0.0046 (15)
C2e	0.0153 (19)	0.0152 (19)	0.0151 (17)	0.0055 (16)	0.0061 (15)	0.0035 (15)
C3e	0.0192 (19)	0.018 (2)	0.0148 (17)	0.0102 (16)	0.0068 (15)	0.0080 (15)
C4e	0.0149 (18)	0.0160 (19)	0.0139 (16)	0.0066 (16)	0.0053 (15)	0.0038 (14)
C5e	0.0154 (19)	0.018 (2)	0.0152 (17)	0.0047 (16)	0.0064 (15)	0.0035 (15)
C6e	0.0175 (19)	0.0141 (19)	0.0161 (17)	0.0077 (15)	0.0045 (15)	0.0025 (14)
C11e	0.0136 (19)	0.019 (2)	0.0159 (17)	0.0071 (16)	0.0028 (15)	0.0066 (15)
C41e	0.0150 (19)	0.020 (2)	0.0127 (17)	0.0068 (17)	0.0050 (15)	0.0038 (15)
C21e	0.0166 (19)	0.020 (2)	0.0165 (17)	0.0099 (16)	0.0089 (15)	0.0054 (15)
C22e	0.021 (2)	0.021 (2)	0.0229 (19)	0.0078 (17)	0.0100 (17)	0.0049 (16)
C23e	0.028 (2)	0.018 (2)	0.033 (2)	0.0082 (18)	0.0178 (19)	0.0084 (17)
C24e	0.032 (2)	0.030 (2)	0.030 (2)	0.0183 (19)	0.0193 (19)	0.0168 (18)
C25e	0.026 (2)	0.031 (2)	0.0187 (19)	0.0109 (19)	0.0097 (17)	0.0079 (17)
C26e	0.022 (2)	0.019 (2)	0.0250 (19)	0.0051 (17)	0.0131 (17)	0.0064 (16)
C51e	0.0195 (19)	0.018 (2)	0.0228 (18)	0.0125 (16)	0.0132 (16)	0.0090 (16)

**Table S3b.** Atomic displacement parameters  $(Å^2)$  for  $[Mg(OH_2)_6(C_{20}H_{14}N_2O_4)] \cdot 2.8H_2O$  (II).

C52e	0.025 (2)	0.020 (2)	0.0244 (19)	0.0035 (18)	0.0098 (17)	0.0053 (17)
C53e	0.034 (2)	0.030 (2)	0.021 (2)	0.017 (2)	0.0104 (18)	0.0099 (18)
C54e	0.041 (2)	0.029 (2)	0.031 (2)	0.020 (2)	0.020 (2)	0.0186 (19)
C55e	0.033 (2)	0.023 (2)	0.039 (2)	0.0107 (19)	0.021 (2)	0.0154 (19)
C56e	0.028 (2)	0.023 (2)	0.024 (2)	0.0092 (18)	0.0132 (18)	0.0072 (17)
O11f	0.0131 (13)	0.0293 (16)	0.0323 (14)	0.0064 (12)	0.0054 (11)	0.0132 (12)
O12f	0.0159 (13)	0.0235 (15)	0.0322 (14)	0.0106 (12)	0.0075 (11)	0.0120 (12)
O41f	0.0121 (13)	0.0293 (16)	0.0327 (14)	0.0072 (12)	0.0058 (11)	0.0159 (12)
O42f	0.0155 (14)	0.0200 (14)	0.0391 (15)	0.0092 (12)	0.0049 (12)	0.0106 (12)
N21f	0.0132 (18)	0.0228 (19)	0.0255 (17)	0.0038 (15)	0.0061 (15)	0.0118 (14)
N51f	0.0104 (17)	0.0211 (18)	0.0230 (16)	0.0038 (14)	0.0007 (14)	0.0092 (14)
C1f	0.0128 (18)	0.019 (2)	0.0175 (17)	0.0082 (16)	0.0054 (15)	0.0044 (15)
C2f	0.0175 (19)	0.019 (2)	0.0140 (17)	0.0070 (16)	0.0067 (15)	0.0032 (15)
C3f	0.0144 (19)	0.0168 (19)	0.0159 (17)	0.0077 (16)	0.0039 (15)	0.0058 (14)
C4f	0.0110 (18)	0.018 (2)	0.0133 (16)	0.0046 (15)	0.0039 (14)	0.0002 (14)
C5f	0.0153 (19)	0.017 (2)	0.0166 (17)	0.0077 (16)	0.0054 (15)	0.0068 (15)
C6f	0.0163 (19)	0.021 (2)	0.0179 (17)	0.0109 (16)	0.0043 (15)	0.0077 (15)
C11f	0.017 (2)	0.025 (2)	0.0162 (17)	0.0101 (18)	0.0073 (15)	0.0067 (16)
C41f	0.018 (2)	0.020 (2)	0.0163 (17)	0.0105 (17)	0.0043 (15)	0.0040 (15)
C21f	0.0161 (19)	0.019 (2)	0.0205 (18)	0.0058 (16)	0.0120 (16)	0.0071 (15)
C22f	0.022 (2)	0.023 (2)	0.0199 (19)	0.0082 (17)	0.0066 (16)	0.0039 (16)
C23f	0.030 (2)	0.020 (2)	0.032 (2)	0.0086 (19)	0.0150 (19)	0.0102 (18)
C24f	0.033 (2)	0.031 (2)	0.026 (2)	0.0184 (19)	0.0156 (18)	0.0172 (18)
C25f	0.029 (2)	0.034 (2)	0.0183 (19)	0.010 (2)	0.0098 (17)	0.0058 (18)
C26f	0.026 (2)	0.019 (2)	0.0234 (19)	0.0080 (18)	0.0127 (17)	0.0056 (16)
C51f	0.0174 (19)	0.022 (2)	0.0250 (19)	0.0123 (17)	0.0126 (16)	0.0120 (16)
C52f	0.026 (2)	0.023 (2)	0.028 (2)	-0.0021 (18)	0.0051 (18)	0.0074 (18)
C53f	0.029 (2)	0.035 (3)	0.021 (2)	0.004 (2)	0.0025 (18)	0.0097 (18)
C54f	0.031 (2)	0.035 (3)	0.032 (2)	0.017 (2)	0.0175 (19)	0.0214 (19)
C55f	0.034 (2)	0.021 (2)	0.034 (2)	0.0073 (19)	0.018 (2)	0.0103 (18)
C56f	0.024 (2)	0.017 (2)	0.0229 (19)	0.0054 (17)	0.0083 (17)	0.0055 (16)
O1g	0.0289 (16)	0.0296 (18)	0.0332 (15)	0.0113 (14)	0.0157 (13)	0.0066 (14)
O1h	0.047 (2)	0.059 (2)	0.0408 (18)	0.0324 (18)	0.0293 (17)	0.0247 (16)
O1i	0.0332 (18)	0.0452 (18)	0.0278 (15)	0.0151 (15)	0.0160 (14)	0.0099 (14)
O1j	0.0352 (17)	0.051 (2)	0.0364 (16)	0.0151 (15)	0.0243 (15)	0.0118 (16)
O1k	0.0361 (17)	0.0344 (18)	0.0352 (15)	0.0133 (14)	0.0148 (14)	0.0059 (13)
O1I	0.074 (3)	0.056 (2)	0.059 (2)	0.037 (2)	0.049 (2)	0.029 (2)
O1m	0.0280 (16)	0.0276 (16)	0.0333 (16)	0.0138 (13)	0.0180 (13)	0.0112 (12)

# $\label{eq:constraint} \mbox{Table S3c. Geometric parameters (Å, $^0$) for $[Mg(OH_2)_6(C_{20}H_{14}N_2O_4)]$\cdot 2.8H_2O$ (II).}$

Mg1a—O1a	2.061 (3)	C4e—C41e	1.514 (5)
Mg1a—O1a <sup>i</sup>	2.061 (3)	C5e—C6e	1.394 (5)
Mg1a—O2a	2.059 (3)	C6e—H6e	0.95
Mg1a—O2a <sup>i</sup>	2.059 (3)	C21e—C22e	1.397 (5)
Mg1a—O3a	2.078 (3)	C21e—C26e	1.386 (4)
Mg1a-O3a <sup>i</sup>	2.078 (3)	C22e—C23e	1.385 (6)
01a—H11a	0.840 (9)	C22e—H22e	0.95
01a—H12a	0.840 (13)	C23e—C24e	1.381 (4)
02a—H21a	0.84 (2)	C23e—H23e	0.95
02a—H22a	0.840 (11)	C24e—C25e	1.382 (5)
03a—H31a	0.84 (4)	C24e—H24e	0.95
03a—H32a	0.840 (15)	C25e—C26e	1 389 (5)
Ma1b-01b	2 102 (3)	C25e—H25e	0.95
Mg1b-O1b Mg1b-O2b	2.162 (3)	C26e_H26e	0.95
Mg1b-O2b Mg1b-O3b	2.030 (3)	C51e-C52e	1 300 (1)
Mg1b O4b	2.049 (3)	C510_C560	1.390 (4)
Mg1b-O4b	2.042 (3)		1.392 (5)
Mg1b-03b	2.091 (3)		1.379 (0)
	2.064 (3)	C52e—H52e	0.95
01b—H11b	0.84 (2)	C53e—C54e	1.380 (5)
O2b—H21b	0.840 (9)	C53e—H53e	0.95
02b—H22b	0.84 (3)	C54e—C55e	1.386 (4)
O3b—H31b	0.84 (3)	C54e—H54e	0.95
O3b—H32b	0.840 (19)	C55e—C56e	1.391 (6)
O4b—H41b	0.840 (7)	C55e—H55e	0.95
O4b—H42b	0.84 (3)	C56e—H56e	0.95
O5b—H51b	0.84 (5)	011f—C11f	1.254 (4)
O5b—H52b	0.840 (14)	012f—C11f	1.285 (5)
O6b—H61b	0.840 (14)	O41f—C41f	1.258 (4)
O6b—H62b	0.84 (4)	O42f—C41f	1.271 (5)
Mg1c—O1c	2.047 (3)	N21f—C2f	1.391 (5)
Mg1c—O2c	2.033 (3)	N21f—C21f	1.405 (5)
Mg1c—O3c	2.073 (3)	N21f—H21f	0.82 (3)
Mg1c—O4c	2.051 (3)	N51f—C5f	1.390 (5)
Mg1c—O5c	2.031 (4)	N51f—C51f	1.395 (5)
Mg1c—O6c	2.071 (4)	N51f—H51f	0.84 (4)
O1c—H11c	0.84 (2)	C1f—C2f	1.423 (5)
O1c—H12c	0.84 (5)	C1f—C6f	1.391 (5)
O2c—H21c	0.840 (16)	C1f—C11f	1.500 (5)
O2c—H22c	0.840 (11)	C2f—C3f	1.396 (5)
O3c—H31c	0.840 (15)	C3f—C4f	1.385 (5)
O4c—H41c	0.840 (12)	C3f—H3f	0.95
O4c—H42c	0.840 (16)	C4f—C5f	1.415 (5)
O5c—H51c	0.84 (4)	C4f—C41f	1.509 (5)
O5c—H52c	0.84 (5)	C5f—C6f	1.397 (5)
O6c—H61c	0.84 (4)	C6f—H6f	0.95
O6c—H62c	0.84 (3)	C21f—C22f	1.394 (5)
011d—C11d	1.260 (4)	C21f—C26f	1.394 (4)
012d—C11d	1 265 (5)	C22f—C23f	1 399 (6)
N21d—C2d	1 395 (5)	C22f—H22f	0.95
N21d_C21d	1 406 (5)	C23f_C24f	1 376 (4)
N21d_H21d	0.85 (4)	C23f_H23f	0.95
	1 /20 (6)	C2/f_C25f	1 385 (5)
	1.420 (0)	C241-0201	0.05
	1.303 (3)		1.304 (6)
	1.∋ I∠ (0)	0201-0201	1.304 (0)

C2d—C3d	1.394 (5)	C25f—H25f	0.95
C3d—H3d	0.95	C26f—H26f	0.95
C21d—C22d	1.405 (5)	C51f—C52f	1.392 (4)
C21d—C26d	1.389 (4)	C51f—C56f	1.392 (5)
C22d—C23d	1.380 (6)	C52f—C53f	1.379 (6)
C22d—H22d	0.95	C52f—H52f	0.95
C23d—C24d	1.382 (4)	C53f—C54f	1.376 (5)
C23d—H23d	0.95	C53f—H53f	0.95
C24d—C25d	1 380 (5)	C54f—C55f	1 381 (4)
C24d 020d	0.95	C54f_H54f	0.95
C25d-C26d	1 305 (6)	C55f_C56f	1 379 (6)
C25d U25d	0.05		0.05
	0.95		0.95
	0.95		0.93
	1.259 (4)		0.04 (5)
012e—C11e	1.274 (5)	01g—H12g	0.840 (10)
041e—C41e	1.248 (4)	01h—H11h	0.84 (5)
042e—C41e	1.283 (5)	O1h—H12h	0.84 (4)
N21e—C2e	1.401 (5)	01i—H11i	0.84 (5)
N21e—C21e	1.395 (5)	01i—H12i	0.84 (8)
N21e—H21e	0.80 (3)	O1j—H12j	0.84 (8)
N51e—C5e	1.393 (5)	O1k—H12k	0.84 (3)
N51e—C51e	1.407 (5)	01I—H12I	0.84 (3)
N51e—H51e	0.82 (4)	O1m—H11m	0.84 (5)
C1e—C2e	1.409 (5)	O1m—H12m	0.84 (4)
C1e—C6e	1.393 (5)	H12b—O1b	0.840 (11)
C1e—C11e	1.504 (5)	H32c—O3c	0.84 (3)
C2e—C3e	1.403 (5)	H11j—O1j	0.94 (6)
C3e—C4e	1 381 (5)	H11k—O1k	0.84 (7)
	1.001 (0)		
C3e—H3e	0.95	H11I—O1I	0.84 (5)
C3e—H3e C4e—C5e	0.95	H11I—O1I	0.84 (5)
C3e—H3e C4e—C5e	0.95 1.418 (5)	H11I—O1I	0.84 (5)
C3e—H3e C4e—C5e	0.95 1.418 (5) 180.0	H11I-O1I N21e-C2e-C1e	0.84 (5)
C3e—H3e C4e—C5e 01a—Mg1a—O1a O1a—Mg1a—O2a	1.601 (6) 0.95 1.418 (5) <b>180.0</b> 90.46 (11)	H11I—O1I N21e—C2e—C1e N21e—C2e—C3e	0.84 (5) 123.2 (3) 119.7 (3)
C3e—H3e C4e—C5e 01a—Mg1a—O1a O1a—Mg1a—O2a O1a—Mg1a—O2a	0.95 1.418 (5) 180.0 90.46 (11) 89.54 (11)	H11I-O1I N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e	0.84 (5) 123.2 (3) 119.7 (3) 117.1 (3)
C3e—H3e           C4e—C5e           O1a—Mg1a—O1a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O2a	0.95         1.418 (5)         180.0         90.46 (11)         89.54 (11)         88.24 (12)	H11I-O1I N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e	0.84 (5) 123.2 (3) 119.7 (3) 117.1 (3) 123.7 (3)
C3e—H3e           C4e—C5e           01a—Mg1a—O1a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O3a           01a—Mg1a—O3a	0.95         1.418 (5) <b>180.0</b> 90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)	H11I-O1I N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e C2e-C3e-H3e	123.2 (3) 123.7 (3) 117.1 (3) 123.7 (3) 118.14
C3e—H3e           C4e—C5e           O1a—Mg1a—O1a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O3a           O1a—Mg1a—O3a           O1a—Mg1a—O3a           O1a—Mg1a—O3a	1.851 (6)         0.95         1.418 (5)         180.0         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)	H11I-O1I N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e C2e-C3e-H3e C4e-C3e-H3e	0.84 (5) 123.2 (3) 119.7 (3) 117.1 (3) 123.7 (3) 118.14 118.14
C3e—H3e         C4e—C5e         01a—Mg1a—O1a         01a—Mg1a—O2a         01a—Mg1a—O2a         01a—Mg1a—O3a         01a—Mg1a—O3a         01a—Mg1a—O3a         01a—Mg1a—O3a         01a—Mg1a—O3a         01a—Mg1a—O3a         01a—Mg1a—O3a         01a—Mg1a—O3a         01a—Mg1a—O3a	1.801 (6)         0.95         1.418 (5)         180.0         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)	H11I-O1I N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e C2e-C3e-H3e C4e-C3e-H3e C3e-C4e-C5e	0.84 (5)         123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)
C3e—H3e           C4e—C5e           01a—Mg1a—O1a           01a—Mg1a—O2a           01a—Mg1a—O2a <sup>i</sup> 01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a <sup>i</sup> 01a—Mg1a—O2a           01a—Mg1a—O3a <sup>i</sup> 01a <sup>i</sup> —Mg1a—O2a           01a <sup>i</sup> —Mg1a—O2a           01a <sup>i</sup> —Mg1a—O2a           01a <sup>i</sup> —Mg1a—O2a	0.95         1.418 (5)         180.0         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         90.46 (11)	H11I-O1I N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e C2e-C3e-H3e C4e-C3e-H3e C4e-C5e C3e-C4e-C5e	0.84 (5)         123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.2 (2)
C3e—H3e         C4e—C5e         01a—Mg1a—O1a         01a—Mg1a—O2a         01a—Mg1a—O2a <sup>i</sup> 01a—Mg1a—O3a         01a—Mg1a—O3a <sup>i</sup> 01a—Mg1a—O2a <sup>i</sup> 01a—Mg1a—O3a <sup>i</sup> 01a <sup>i</sup> —Mg1a—O2a <sup>i</sup> 01a <sup>i</sup> —Mg1a—O3a         01a <sup>i</sup> —Mg1a—O3a	0.95         1.418 (5) <b>180.0</b> 90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         89.54 (11)         91.76 (12)         89.24 (12)	H11I-O1I N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e C2e-C3e-H3e C4e-C3e-H3e C3e-C4e-C5e C3e-C4e-C41e C5e-C4e-C41e	123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)
C3e—H3e           C4e—C5e           01a—Mg1a—O1a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a <sup></sup> Mg1a—O3a           01a <sup></sup> Mg1a—O2a           01a <sup></sup> Mg1a—O2a           01a <sup></sup> Mg1a—O2a           01a <sup></sup> Mg1a—O3a           01a <sup></sup> Mg1a—O3a           01a <sup></sup> Mg1a—O3a           01a <sup></sup> Mg1a—O3a	1.801 (6)         0.95         1.418 (5) <b>180.0</b> 90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         91.76 (12)         88.24 (12)	H11I-O1I N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e C2e-C3e-H3e C4e-C3e-H3e C3e-C4e-C5e C3e-C4e-C41e C5e-C4e-C41e	123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)         122.5 (3)
C3e—H3e           C4e—C5e           01a—Mg1a—O1a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O2a           01a—Mg1a—O3a           01a—Mg1a—O2a           01a—Mg1a—O3a           01a <sup>i</sup> —Mg1a—O2a           01a <sup>i</sup> —Mg1a—O2a           01a <sup>i</sup> —Mg1a—O3a           01a <sup>i</sup> —Mg1a—O3a           01a <sup>i</sup> —Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O2a <sup>i</sup>	1.801 (6)         0.95         1.418 (5) <b>180.0</b> 90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         180.0         20.00 (44)	H11I-O1I N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e C2e-C3e-H3e C4e-C3e-H3e C4e-C3e-H3e C3e-C4e-C5e C3e-C4e-C5e C3e-C4e-C41e N51e-C5e-C4e N51e-C5e-C4e	0.84 (5)         123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)         122.5 (3)         122.3 (3)
C3e—H3e           C4e—C5e           01a—Mg1a—O1a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O3a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O3a           01a <sup></sup> Mg1a—O2a           01a <sup></sup> Mg1a—O2a           01a <sup></sup> Mg1a—O2a           01a <sup></sup> Mg1a—O3a           01a <sup></sup> Mg1a—O3a           01a <sup></sup> Mg1a—O3a           02a—Mg1a—O2a <sup></sup> 02a—Mg1a—O3a           02a—Mg1a—O3a	0.95         1.418 (5)         180.0         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         180.0         90.00 (11)         90.00 (14)	H11I-O1I N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e C2e-C3e-H3e C4e-C3e-H3e C3e-C4e-C5e C3e-C4e-C5e C3e-C4e-C41e N51e-C5e-C4e N51e-C5e-C6e	0.84 (5)         123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         118.2 (3)         118.3 (3)         122.5 (3)         120.5 (3)
C3e—H3e           C4e—C5e           01a—Mg1a—O1a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a <sup>i</sup> —Mg1a—O2a           01a <sup>i</sup> —Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a	0.95         1.418 (5) <b>180.0</b> 90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         180.0         90.00 (11)         90.00 (11)	H11I-O1I N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e C2e-C3e-H3e C4e-C3e-H3e C3e-C4e-C5e C3e-C4e-C5e C3e-C4e-C41e N51e-C5e-C4e N51e-C5e-C6e C4e-C5e-C6e	0.84 (5)         123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)         122.5 (3)         122.3 (3)         120.5 (3)         117.2 (3)
C3e—H3e           C4e—C5e           01a—Mg1a—O1a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01ai—Mg1a—O2a           01ai—Mg1a—O3a           01ai—Mg1a—O3a           01ai—Mg1a—O3a           01ai—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a	0.95         1.418 (5)         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         180.0         90.00 (11)         90.00 (11)         90.00 (11)	H11I-O1I N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e C2e-C3e-H3e C3e-C4e-C5e C3e-C4e-C5e C3e-C4e-C41e N51e-C5e-C4e N51e-C5e-C6e C4e-C5e-C6e C1e-C6e-C5e	123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)         122.5 (3)         122.3 (3)         120.5 (3)         117.2 (3)         123.5 (3)
C3e—H3e           C4e—C5e           01a—Mg1a—O1a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a <sup>i</sup> —Mg1a—O2a           01a <sup>i</sup> —Mg1a—O3a           01a <sup>i</sup> —Mg1a—O3a           01a <sup>i</sup> —Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a <sup>i</sup> —Mg1a—O3a           02a <sup>i</sup> —Mg1a—O3a           02a <sup>i</sup> —Mg1a—O3a	0.95         1.418 (5)         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         91.76 (12)         88.24 (12)         180.0         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)	H111-011         N21e-C2e-C1e         N21e-C2e-C3e         C1e-C2e-C3e         C2e-C3e-C4e         C2e-C3e-H3e         C4e-C3e-H3e         C3e-C4e-C5e         C3e-C4e-C41e         N51e-C5e-C4e         N51e-C5e-C6e         C4e-C5e-C6e         C1e-C6e-C5e	0.84 (5)         123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)         122.5 (3)         122.3 (3)         120.5 (3)         117.2 (3)         118.23
C3e—H3e           C4e—C5e           O1a—Mg1a—O1a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O3a           O1a—Mg1a—O2a           O1a—Mg1a—O3a           O1a <sup>i</sup> —Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O3a           O1a <sup>i</sup> —Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a <sup>i</sup> —Mg1a—O3a           O2a <sup>i</sup> —Mg1a—O3a           O2a <sup>i</sup> —Mg1a—O3a	1.801 (6)         0.95         1.418 (5)         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         180.0         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         180.0	H111-O11 N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e C2e-C3e-H3e C4e-C3e-H3e C3e-C4e-C5e C3e-C4e-C41e N51e-C5e-C4e N51e-C5e-C6e C4e-C5e-C6e C1e-C6e-C5e C1e-C6e-H6e C5e-C6e-H6e	0.84 (5)         123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)         122.5 (3)         122.5 (3)         122.5 (3)         117.2 (3)         118.23
C3e—H3e           C4e—C5e           O1a—Mg1a—O1a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O3a           O1a—Mg1a—O2a           O1a—Mg1a—O3a           O1a <sup>i</sup> —Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a <sup>i</sup> —Mg1a—O3a           O3a—Mg1a—O3a <sup>i</sup> O3a—Mg1a—O3a <sup>i</sup> O3a—Mg1a—O3a <sup>i</sup> O3a—Mg1a—O3a <sup>i</sup>	1.801 (6)         0.95         1.418 (5)         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         180.0         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         180.0         111 (2)	H111-O11 N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e C2e-C3e-H3e C4e-C3e-H3e C3e-C4e-C5e C3e-C4e-C5e C3e-C4e-C41e N51e-C5e-C4e N51e-C5e-C6e C4e-C5e-C6e C1e-C6e-C5e C1e-C6e-H6e C5e-C6e-H6e O11e-C11e-O12e	0.84 (5)         123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)         122.5 (3)         122.3 (3)         122.3 (3)         117.2 (3)         118.23         118.23         118.23         123.0 (3)
C3e—H3e           C4e—C5e           01a—Mg1a—O1a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01ai—Mg1a—O2a           01ai—Mg1a—O2a           01ai—Mg1a—O2a           01ai—Mg1a—O3a           01ai—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02ai—Mg1a—O3a           03a—Mg1a—O3a           03a—Mg1a—O3a           03a—Mg1a—O3a           03a—Mg1a—O1a—H11a           Mg1a—O1a—H12a	1.801 (6)         0.95         1.418 (5)         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         180.0         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         180.0         111 (2)         115 (2)	H111-O11 H111-O11 N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e C2e-C3e-H3e C4e-C3e-H3e C3e-C4e-C5e C3e-C4e-C41e N51e-C5e-C4e N51e-C5e-C4e N51e-C5e-C6e C4e-C5e-C6e C1e-C6e-H6e C5e-C6e-H6e O11e-C11e-O12e O11e-C11e-C1e	123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)         122.5 (3)         122.3 (3)         122.3 (3)         123.5 (3)         118.23         118.23         118.23         119.6 (3)
C3e—H3e           C4e—C5e           01a—Mg1a—O1a           01a—Mg1a—O2a           01a—Mg1a—O2a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01a—Mg1a—O3a           01ai—Mg1a—O2a           01ai—Mg1a—O3a           01ai—Mg1a—O3a           01ai—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02a—Mg1a—O3a           02ai—Mg1a—O3a           02ai—Mg1a—O3a           02ai—Mg1a—O3a           02ai—Mg1a—O3a           03a—Mg1a—O3a           03a—Mg1a—O3a           03a—Mg1a—O3a           03a—Mg1a—O3a           03a—Mg1a—O3a           03a—Mg1a—O3a           03a—Mg1a—O3a           03a—Mg1a—O1a—H12a           H11a—O1a—H12a	0.95         1.418 (5)         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         91.76 (12)         88.24 (12)         180.0         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         180.0         111 (2)         111 (2)         113 (3)	H111-011         N21e-C2e-C1e         N21e-C2e-C3e         C1e-C2e-C3e         C2e-C3e-C4e         C2e-C3e-H3e         C4e-C3e-H3e         C3e-C4e-C5e         C3e-C4e-C41e         C5e-C4e-C41e         N51e-C5e-C6e         C4e-C5e-C6e         C1e-C6e-H6e         C5e-C6e-H6e         O11e-C11e-O12e         O11e-C11e-C1e	123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)         122.5 (3)         122.5 (3)         122.3 (3)         122.5 (3)         117.2 (3)         123.5 (3)         118.23         118.23         118.23         119.6 (3)         117.3 (3)
C3e—H3e           C4e—C5e           O1a—Mg1a—O1a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O3a           O1a—Mg1a—O3a           O1a—Mg1a—O2a           O1a—Mg1a—O3a           O1ai—Mg1a—O2a           O1ai—Mg1a—O2a           O1ai—Mg1a—O2a           O1ai—Mg1a—O2a           O1ai—Mg1a—O2a           O1ai—Mg1a—O2a           O1ai—Mg1a—O2a           O1ai—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2ai—Mg1a—O3a           O2ai—Mg1a—O3a           O2ai—Mg1a—O3a           O3a—Mg1a—O3a           Mg1a—O1a—H12a           H11a—O1a—H12a           Mg1a—O2a—H21a	1.801 (6)         0.95         1.418 (5)         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         180.0         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         180.0         111 (2)         111 (2)         113 (3)         116 (3)	H11I-O1I N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e C2e-C3e-H3e C4e-C3e-H3e C4e-C3e-H3e C3e-C4e-C5e C3e-C4e-C41e N51e-C5e-C4e N51e-C5e-C4e N51e-C5e-C6e C4e-C5e-C6e C1e-C6e-H6e C1e-C6e-H6e C5e-C6e-H6e O11e-C11e-O12e O11e-C11e-C1e O12e-C11e-C1e O41e-C41e-O42e	123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)         122.5 (3)         122.5 (3)         122.5 (3)         122.5 (3)         122.5 (3)         123.5 (3)         118.23         118.23         118.23         123.0 (3)         117.3 (3)         123.4 (3)
C3e—H3e         C4e—C5e         01a—Mg1a—O1a         O1a—Mg1a—O2a         O1a—Mg1a—O2a         O1a—Mg1a—O2a         O1a—Mg1a—O2a         O1a—Mg1a—O3a         O1a—Mg1a—O3a         O1a—Mg1a—O2a         O1a—Mg1a—O2a         O1a—Mg1a—O3a         O1a <sup>i</sup> —Mg1a—O2a         O1a <sup>i</sup> —Mg1a—O2a         O1a <sup>i</sup> —Mg1a—O3a         O2a—Mg1a—O3a         O3a—Mg1a—O3a         O3a—Mg1a—O3a         Mg1a—O1a—H12a         H11a—O1a—H12a         H11a—O1a—H12a         Mg1a—O2a—H21a         Mg1a—O2a—H22a	1.801 (6)         0.95         1.418 (5)         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         180.0         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         115 (2)         113 (3)         116 (3)         124 (3)	H11I-O1I N21e-C2e-C1e N21e-C2e-C3e C1e-C2e-C3e C2e-C3e-C4e C2e-C3e-H3e C4e-C3e-H3e C3e-C4e-C5e C3e-C4e-C41e N51e-C5e-C4e N51e-C5e-C6e C4e-C5e-C6e C1e-C6e-H6e C1e-C6e-H6e O11e-C11e-O12e O11e-C11e-C1e O12e-C11e-C1e O41e-C41e-O42e O41e-C41e-C4e	0.84 (5)         123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)         122.5 (3)         122.5 (3)         122.5 (3)         122.5 (3)         123.5 (3)         118.23         118.23         118.23         118.23         119.6 (3)         117.3 (3)         123.4 (3)         119.7 (4)
C3e—H3e           C4e—C5e           O1a—Mg1a—O1a           O1a—Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2ai—Mg1a—O3a           O2ai—Mg1a—O3a           O2ai—Mg1a—O3a           O2ai—Mg1a—O3a           O2ai—Mg1a—O3a           O2ai—Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           Mg1a—O1a—H12a           Mg1a—O2a—H21a           Mg1a—O2a—H22a           H21a—O2a—H22a	1.801 (6)         0.95         1.418 (5)         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         180.0         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         115 (2)         113 (3)         113 (3)	H111-011         N21e-C2e-C1e         N21e-C2e-C3e         C1e-C2e-C3e         C2e-C3e-C4e         C2e-C3e-H3e         C4e-C3e-H3e         C4e-C3e-H3e         C3e-C4e-C5e         C3e-C4e-C41e         N51e-C5e-C4e         N51e-C5e-C6e         C1e-C6e-C5e         C1e-C6e-H6e         O11e-C11e-O12e         O11e-C11e-C1e         O12e-C11e-C1e         O41e-C41e-C4e         O42e-C41e-C4e	0.84 (5)         123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)         122.5 (3)         122.5 (3)         122.5 (3)         123.5 (3)         118.23         118.23         118.23         118.23         118.23         119.6 (3)         117.3 (3)         123.4 (3)         116.9 (3)
C3e—H3e           C4e—C5e           O1a—Mg1a—O1a           O1a—Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O3a           O2a—Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           Mg1a—O1a—H12a           H11a—O1a—H12a           Mg1a—O2a—H22a           H21a—O2a—H22a           H21a—O2a—H22a           Mg1a—O3a—H31a	1.801 (6)         0.95         1.418 (5)         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         180.0         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         1180.0         111 (2)         115 (2)         113 (3)         116 (3)         124 (3)         113 (3)         117.9 (18)	H111-011         N21e-C2e-C1e         N21e-C2e-C3e         C1e-C2e-C3e         C2e-C3e-C4e         C2e-C3e-H3e         C4e-C3e-H3e         C3e-C4e-C5e         C3e-C4e-C41e         N51e-C5e-C4e         N51e-C5e-C6e         C1e-C6e-H6e         C5e-C6e-H6e         O11e-C11e-O12e         O11e-C11e-C1e         O41e-C41e-C4e         O41e-C41e-C4e         O41e-C41e-C4e         O42e-C41e-C4e	0.84 (5)         123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)         122.5 (3)         122.3 (3)         122.3 (3)         122.5 (3)         122.3 (3)         123.5 (3)         118.23         118.23         118.23         118.23         119.6 (3)         117.3 (3)         123.4 (3)         119.7 (4)         116.9 (3)         119.2 (2)
C3e—H3e           C4e—C5e           O1a—Mg1a—O1a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O3a           O1a—Mg1a—O3a           O1a—Mg1a—O3a           O1a—Mg1a—O2a           O1a—Mg1a—O3a           O1a—Mg1a—O2a           O1a—Mg1a—O3a           O1ai—Mg1a—O2a           O1ai—Mg1a—O2a           O1ai—Mg1a—O2a           O1ai—Mg1a—O2a           O1ai—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2ai—Mg1a—O3a           O2ai—Mg1a—O3a           O2ai—Mg1a—O3a           O2ai—Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           Mg1a—O1a—H12a           H11a—O1a—H12a           Hg1a—O2a—H22a           H21a—O2a—H22a           H21a—O2a—H22a           Mg1a—O3a—H31a           Mg1a—O3a—H32a	1.801 (6)         0.95         1.418 (5)         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         180.0         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         115 (2)         113 (3)         116 (3)         124 (3)         117.9 (18)         111 (2)	H111-011         N21e-C2e-C1e         N21e-C2e-C3e         C1e-C2e-C3e         C2e-C3e-C4e         C2e-C3e-H3e         C4e-C3e-H3e         C3e-C4e-C5e         C3e-C4e-C41e         C5e-C4e-C41e         N51e-C5e-C6e         C1e-C6e-H6e         C1e-C6e-H6e         O11e-C11e-O12e         O11e-C11e-C1e         O41e-C41e-C4e         O41e-C41e-C4e         O41e-C41e-C4e         O41e-C41e-C4e         O41e-C41e-C4e         O41e-C21e-C22e         N21e-C21e-C22e         N21e-C21e-C22e	0.84 (5)         123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)         122.5 (3)         122.5 (3)         122.5 (3)         122.5 (3)         122.5 (3)         123.5 (3)         118.23         118.23         118.23         118.23         119.6 (3)         117.3 (3)         123.4 (3)         119.7 (4)         116.9 (3)         119.2 (2)         122.4 (3)
C3e—H3e           C4e—C5e           O1a—Mg1a—O1a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O3a           O1a—Mg1a—O3a           O1a—Mg1a—O3a           O1a—Mg1a—O3a           O1a—Mg1a—O3a           O1a <sup>i</sup> —Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a—Mg1a—O3a           O2a <sup>i</sup> —Mg1a—O3a           O2a <sup>i</sup> —Mg1a—O3a           O2a <sup>i</sup> —Mg1a—O3a           O2a <sup>i</sup> —Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           O3a—Mg1a—O3a           Mg1a—O1a—H12a           H11a—O1a—H12a           H11a—O1a—H12a           Hg1a—O2a—H22a           H21a—O2a—H22a           H21a—O3a—H31a           Mg1a—O3a—H32a           H31a—O3a—H32a	1.801 (6)         0.95         1.418 (5)         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         180.0         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         115 (2)         113 (3)         116 (3)         124 (3)         111 (2)         113 (3)         111 (2)         113 (3)         111 (2)         113 (4)	H111-011         N21e-C2e-C1e         N21e-C2e-C3e         C1e-C2e-C3e         C2e-C3e-C4e         C2e-C3e-H3e         C4e-C3e-H3e         C3e-C4e-C5e         C3e-C4e-C41e         C5e-C4e-C41e         N51e-C5e-C6e         C1e-C6e-C5e         C1e-C6e-C5e         C1e-C6e-H6e         O11e-C11e-O12e         O11e-C11e-C1e         O12e-C11e-C1e         O41e-C41e-C4e         O41e-C41e-C4e         O42e-C41e-C4e         N21e-C21e-C22e         N21e-C21e-C26e	0.84 (5)         123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         117.1 (3)         123.7 (3)         118.14         119.2 (3)         118.3 (3)         122.5 (3)         122.5 (3)         122.5 (3)         122.5 (3)         122.5 (3)         122.5 (3)         123.5 (3)         118.23         118.23         118.23         123.0 (3)         117.3 (3)         123.4 (3)         119.7 (4)         116.9 (3)         119.2 (2)         122.4 (3)         118.3 (3)
C3e—H3e           C4e—C5e           O1a—Mg1a—O1a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O2a           O1a—Mg1a—O3a           O1a—Mg1a—O2a           O1a—Mg1a—O3a           O1a—Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O2a           O1a <sup>i</sup> —Mg1a—O3a           O2a—Mg1a—O3a           O3a—Mg1a—O3a           Mg1a—O1a—H12a           Mg1a—O2a—H22a           H21a—O2a—H22a           H21a—O3a—H31a           Mg1a—O3a—H32a           H31a—O3a—H32a           O1b—Mg1b—O2b	1.80.1 (6)         0.95         1.418 (5)         90.46 (11)         89.54 (11)         88.24 (12)         91.76 (12)         89.54 (11)         90.46 (11)         91.76 (12)         88.24 (12)         180.0         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         90.00 (11)         115 (2)         113 (3)         116 (3)         124 (3)         113 (3)         117.9 (18)         111 (2)         113 (4)         87.18 (13)	H111—O11         N21e—C2e—C1e         N21e—C2e—C3e         C1e—C2e—C3e         C2e—C3e—C4e         C2e—C3e—H3e         C4e—C3e—H3e         C3e—C4e—C5e         C3e—C4e—C41e         C5e—C4e—C41e         N51e—C5e—C6e         C4e—C5e—C6e         C1e—C6e—C5e         C1e—C6e—H6e         O11e—C11e—O12e         O11e—C11e—C1e         O12e—C11e—C1e         O41e—C41e—C4e         O41e—C41e—C4e         N21e—C21e—C22e         N21e—C21e—C26e         C22e—C21e—C26e         C22e—C21e—C23e	0.84 (5)         123.2 (3)         119.7 (3)         117.1 (3)         123.7 (3)         117.1 (3)         123.7 (3)         118.14         118.14         119.2 (3)         118.3 (3)         122.5 (3)         122.5 (3)         122.5 (3)         122.5 (3)         122.5 (3)         122.5 (3)         122.5 (3)         122.5 (3)         122.5 (3)         122.5 (3)         123.5 (3)         118.23         118.23         118.23         118.23         118.23         119.6 (3)         117.3 (3)         123.4 (3)         119.7 (4)         116.9 (3)         119.2 (2)         122.4 (3)         118.3 (3)         120.8 (3)

O1b—Mg1b—O4b	91.43 (13)	C23e—C22e—H22e	119.62
O1b—Mg1b—O5b	88.13 (12)	C22e—C23e—C24e	120.7 (3)
O1b—Mg1b—O6b	91.12 (12)	C22e—C23e—H23e	119.66
O2b—Mg1b—O3b	90.73 (12)	C24e—C23e—H23e	119.66
O2b—Mg1b—O4b	178.10 (12)	C23e—C24e—C25e	118.8 (4)
O2b—Mg1b—O5b	89.34 (13)	C23e—C24e—H24e	120.59
O2b—Mg1b—O6b	90.91 (12)	C25e—C24e—H24e	120.59
O3b—Mg1b—O4b	90.62 (13)	C24e—C25e—C26e	120.9 (3)
O3b—Mg1b—O5b	90.56 (12)	C24e—C25e—H25e	119.53
O3b—Mg1b—O6b	90.20 (12)	C26e—C25e—H25e	119.53
O4b—Mg1b—O5b	89.31 (12)	C21e—C26e—C25e	120.5 (3)
O4b—Mg1b—O6b	90.41 (13)	C21e—C26e—H26e	119.75
O5b—Mg1b—O6b	179.19 (12)	C25e—C26e—H26e	119.75
Mg1b—O1b—H11b	129 (4)	N51e-C51e-C52e	122.8 (3)
Mg1b—O2b—H21b	116 (3)	N51e-C51e-C56e	119.3 (2)
Mg1b—O2b—H22b	116 (3)	C52e—C51e—C56e	117.8 (3)
H21b—O2b—H22b	113 (3)	C51e—C52e—C53e	121.1 (3)
Mg1b—O3b—H31b	123 (3)	C51e—C52e—H52e	119.45
Ma1b-O3b-H32b	117 (2)	C53e—C52e—H52e	119.45
H31b—O3b—H32b	113 (3)	C52e—C53e—C54e	121.1 (3)
Ma1b-O4b-H41b	119 (3)	C52e—C53e—H53e	119.45
Mg1b—O4b—H42b	117 (3)	C54e—C53e—H53e	119.45
H41b—O4b—H42b	113 (3)	C53e—C54e—C55e	118.5 (4)
Ma1b-05b-H51b	122 (2)	C53e—C54e—H54e	120.73
Mg1b-05b-H52b	110 (2)	C55e—C54e—H54e	120.73
H51b-05b-H52b	113 (4)	C54e—C55e—C56e	120.6 (3)
Ma1b-06b-H61b	114 6 (18)	C54e—C55e—H55e	119.71
Mg1b-O6b-H62b	123 1 (17)	C56e-C55e-H55e	119.71
H61b_O6b_H62b	113 (3)	C51e_C56e_C55e	120.9 (3)
	91 08 (12)	C51e-C56e-H56e	110.5
01c Mg1c 02c	175 /8 (16)	C550-C560-H560	110.55
$\frac{01c-Mg1c-03c}{01c-Mg1c-04c}$	00.84 (11)	C35e-C50e-1150e	126.2 (3)
01c_Mg1c_04c	90.04(11)	C2f N21f U21f	117 (2)
	92.74 (14)		116 (3)
$\frac{010 - \text{Mg1c} - 000}{020}$	01.60 (11)		10 (3)
$\frac{020 - Mg10 - 030}{020}$	91.00 (11) 179.02 (11)		112 (3)
$\frac{020 - Mg10 - 040}{020}$	90.24 (15)		110 (3)
02c—Mg1c—05c	09.34 (13)		110 (3)
02c—Mg1c—O6c	00.45 (15)		119.0 (3)
03c—Mg1c—04c	86.45 (11)		122.9 (3)
	90.93 (13)		118.1 (3)
03c—Mg1c—06c	86.90 (13)	N21f-02f-01f	122.8 (3)
04c—Mg1c—05c	90.95 (15)	N211-021-031	120.2 (3)
04c—Mg1c—06c	91.18 (15)		117.0 (3)
<u>05c-Mg1c-06c</u>	176.86 (13)		123.8 (3)
Mg1c—O1c—H11c	117 (3)	C2f—C3f—H3f	118.1
Mg1c—O1c—H12c	121 (2)	C4f—C3f—H3f	118.1
H11c-01c-H12c	113 (3)	C3t—C4t—C5t	119.4 (3)
Mg1c—O2c—H21c	120 (2)	C3f—C4f—C41f	116.8 (3)
Mg1c—O2c—H22c	126 (2)	C5t—C4f—C41f	123.7 (3)
H21c—O2c—H22c	113 (3)	N51f—C5f—C4f	121.9 (3)
Mg1c—O3c—H31c			
<b></b> . <b>.</b>	120 (2)	N51f—C5f—C6f	121.1 (3)
Mg1c—O4c—H41c	120 (2) 117 (2)	N51f—C5f—C6f C4f—C5f—C6f	121.1 (3) 117.0 (3)
Mg1c—O4c—H41c Mg1c—O4c—H42c	120 (2) 117 (2) 120 (2)	N51f—C5f—C6f C4f—C5f—C6f C1f—C6f—C5f	121.1 (3) 117.0 (3) 123.7 (4)
Mg1c         O4c         H41c           Mg1c         O4c         H42c           H41c         O4c         H42c	120 (2) 117 (2) 120 (2) 113 (3)	N51f—C5f—C6f C4f—C5f—C6f C1f—C6f—C5f C1f—C6f—H6f	121.1 (3) 117.0 (3) 123.7 (4) 118.13
Mg1c-O4c-H41c Mg1c-O4c-H42c H41c-O4c-H42c Mg1c-O5c-H51c	120 (2)       117 (2)       120 (2)       113 (3)       121 (3)	N51f—C5f—C6f C4f—C5f—C6f C1f—C6f—C5f C1f—C6f—H6f C5f—C6f—H6f	121.1 (3) 117.0 (3) 123.7 (4) 118.13 118.13
Mg1c         O4c         H41c           Mg1c         O4c         H42c           H41c         O4c         H42c           Mg1c         O5c         H51c           Mg1c         O5c         H52c	120 (2)         117 (2)         120 (2)         113 (3)         121 (3)         125 (4)	N51f—C5f—C6f C4f—C5f—C6f C1f—C6f—C5f C1f—C6f—H6f C5f—C6f—H6f O11f—C11f—O12f	121.1 (3)         117.0 (3)         123.7 (4)         118.13         118.13         121.8 (3)

Mg1c—O6c—H61c	125 (3)	O12f—C11f—C1f	118.3 (3)
Mg1c—O6c—H62c	119 (4)	O41f—C41f—O42f	122.6 (3)
H61c—O6c—H62c	113 (4)	O41f—C41f—C4f	120.0 (3)
C2d-N21d-C21d	126.9 (3)	O42f—C41f—C4f	117.4 (3)
C2d-N21d-H21d	117 (3)	N21f-C21f-C22f	119.3 (2)
C21d-N21d-H21d	113 (3)	N21f—C21f—C26f	122.6 (3)
C2d <sup>ii</sup> —C1d—C3d	118.9 (3)	C22f—C21f—C26f	118.0 (3)
C2d <sup>ii</sup> —C1d—C11d	123.2 (3)	C21f—C22f—C23f	120.5 (3)
C3d—C1d—C11d	117.9 (3)	C21f—C22f—H22f	119.73
N21d—C2d—C1d <sup>ii</sup>	121.8 (3)	C23f—C22f—H22f	119.73
N21d—C2d—C3d	120.7 (4)	C22f—C23f—C24f	120.5 (3)
C1d <sup>ii</sup> —C2d—C3d	117.5 (3)	C22f—C23f—H23f	119.74
C1d—C3d—C2d	123.6 (4)	C24f—C23f—H23f	119.73
C1d—C3d—H3d	118.2	C23f—C24f—C25f	119.4 (4)
C2d—C3d—H3d	118.2	C23f—C24f—H24f	120.32
O11d—C11d—O12d	122.9 (4)	C25f—C24f—H24f	120.32
O11d—C11d—C1d	119.6 (4)	C24f—C25f—C26f	120.3 (3)
O12d—C11d—C1d	117.5 (3)	C24f—C25f—H25f	119.83
N21d—C21d—C22d	118.1 (2)	C26f—C25f—H25f	119.83
N21d—C21d—C26d	123.7 (3)	C21f—C26f—C25f	121.2 (3)
C22d—C21d—C26d	118.0 (3)	C21f—C26f—H26f	119.4
C21d—C22d—C23d	120.7 (3)	C25f—C26f—H26f	119.4
C21d—C22d—H22d	119.64	N51f—C51f—C52f	123.2 (3)
C23d—C22d—H22d	119.64	N51f—C51f—C56f	118.7 (3)
C22d—C23d—C24d	121.0 (3)	C52f—C51f—C56f	118.0 (3)
C22d—C23d—H23d	119.52	C51f—C52f—C53f	120.7 (3)
C24d—C23d—H23d	119.52	C51f—C52f—H52f	119.65
C23d—C24d—C25d	118.9 (4)	C53f—C52f—H52f	119.65
C23d—C24d—H24d	120.57	C52f—C53f—C54f	121.0 (3)
C25d—C24d—H24d	120.57	C52f—C53f—H53f	119.49
C24d—C25d—C26d	120.9 (3)	C54f—C53f—H53f	119.49
C24d—C25d—H25d	119.56	C53f—C54f—C55f	118.7 (4)
C26d—C25d—H25d	119.56	C53f—C54f—H54f	120.66
C21d—C26d—C25d	120.5 (3)	C55f—C54f—H54f	120.66
C21d—C26d—H26d	119.74	C54f—C55f—C56f	120.9 (3)
C25d—C26d—H26d	119.74	C54f—C55f—H55f	119.56
C2e-N21e-C21e	126.5 (3)	C56f—C55f—H55f	119.56
C2e-N21e-H21e	113 (2)	C51f—C56f—C55f	120.7 (3)
C21e-N21e-H21e	118 (3)	C51f—C56f—H56f	119.64
C5e-N51e-C51e	126.2 (3)	C55f—C56f—H56f	119.64
C5e-N51e-H51e	117 (3)	H11g—O1a—H12a	113 (4)
C51e-N51e-H51e	114 (3)	H11h—O1h—H12h	113 (5)
C2e—C1e—C6e	119.2 (3)	H11i—O1i—H12i	113 (5)
C2e—C1e—C11e	123.1 (3)	H11m—O1m—H12m	113 (5)
C6e—C1e—C11e	117.6 (3)		- \-/

Symmetry codes: (i) -x+1, -y, -z+2; (ii) -x+1, -y+1, -z+1.

D—H…A	D—H	H…A	D····A	D—H…A
C3d—H3d…O12d	0.95	2.40	2.753 (5)	101.74
N21 <i>d</i> —H21 <i>d</i> …O11 <i>d</i> <sup>ii</sup>	0.85 (4)	2.06 (5)	2.698 (5)	132 (3)
C3e—H3e…O42e	0.95	2.41	2.762 (5)	101.75
C6e—H6e…O12e	0.95	2.39	2.746 (5)	101.75
N21 <i>e</i> —H21 <i>e</i> …O11e	0.80 (3)	2.09 (4)	2.720 (4)	136 (3)
N51 <i>e</i> —H51 <i>e</i> …O41e	0.82 (4)	2.08 (4)	2.702 (4)	133 (3)
C3f—H3f…O42f	0.95	2.35	2.722 (4)	102.79
C6f—H6f…O12f	0.95	2.41	2.768 (4)	102.07
N21f—H21f…O11f	0.82 (3)	2.11 (4)	2.708 (4)	130 (4)
N51 <i>f</i> —H51 <i>f</i> …O41 <i>f</i>	0.84 (4)	2.06 (4)	2.714 (4)	134 (3)
01a—H11a…O12e <sup>i</sup>	0.840 (9)	1.922 (14)	2.745 (3)	166 (3)
01a—H12a…O41 <i>t<sup>™</sup></i>	0.840 (13)	1.895 (15)	2.729 (3)	172 (4)
02a—H21a…O12e <sup>i</sup>	0.84 (2)	2.07 (3)	2.851 (4)	154 (3)
02a—H22a…O1 <i>İ</i> <sup>v</sup>	0.840 (11)	1.940 (18)	2.769 (4)	169 (4)
O3a—H32a…O42f <sup>∛</sup>	0.840 (15)	1.884 (15)	2.724 (3)	178 (5)
O1 <i>b</i> —H11 <i>b</i> …O11 <i>f</i>	0.84 (2)	1.87 (3)	2.690 (4)	163 (5)
O1 <i>b</i> —H12 <i>b</i> …O12 <i>d</i>	0.840 (11)	2.25 (2)	3.071 (4)	166 (5)
O2 <i>b</i> —H21 <i>b</i> …O1 <i>m</i>	0.840 (9)	1.908 (16)	2.719 (3)	162 (3)
O2 <i>b</i> —H22 <i>b</i> …O12 <i>d</i>	0.84 (3)	1.89 (3)	2.720 (4)	169 (4)
O3b—H31b…O1/	0.84 (3)	1.92 (3)	2.754 (6)	174 (2)
O3 <i>b</i> —H32 <i>b</i> …O41 <i>e</i> <sup>vi</sup>	0.840 (19)	1.88 (2)	2.718 (4)	174 (3)
O4b—H41b…O1g	0.840 (7)	1.979 (13)	2.803 (3)	166 (4)
O4 <i>b</i> —H42 <i>b</i> …O12 <i>t</i> <sup>i</sup> <sup>v</sup>	0.84 (3)	1.95 (3)	2.771 (4)	166 (2)
O5b—H52b…O12f	0.840 (14)	1.886 (14)	2.716 (3)	170 (5)
06 <i>b</i> —H61 <i>b</i> …O42e <sup>vi</sup>	0.840 (14)	1.991 (14)	2.806 (3)	163 (3)
01c—H11c…O12d <sup>vii</sup>	0.84 (2)	1.85 (2)	2.689 (4)	176 (4)
01c—H12c…O1k	0.84 (5)	2.16 (4)	2.951 (5)	157 (3)
02c—H21c…O11e <sup>v</sup>	0.840 (16)	1.905 (16)	2.741 (3)	173 (3)
02c—H22c…O42e"	0.840 (11)	1.862 (10)	2.694 (4)	171 (3)
03c—H31c…O12e <sup>viii</sup>	0.840 (15)	1.831 (17)	2.668 (4)	175 (3)
O3c—H32c…O42t <sup>™</sup>	0.84 (3)	1.98 (3)	2.817 (4)	174 (3)
O4c—H41c…O11d <sup>™</sup>	0.840 (12)	1.859 (14)	2.695 (3)	173 (3)
O4c—H42c…O42t <sup>™</sup>	0.840 (16)	2.049 (16)	2.850 (3)	159 (3)
<u>05c—H51c…O1j</u>	0.84 (4)	1.88 (4)	2.709 (5)	174 (3)
O6c—H62c…O1 <i>m</i> <sup>™</sup>	0.84 (3)	1.84 (3)	2.678 (4)	173 (5)
01g—H11g…O12f	0.84 (5)	2.00 (5)	2.822 (5)	165 (4)
01g—H12g…O5b <sup>™</sup>	0.840 (10)	2.17 (3)	2.915 (4)	148 (5)
01 <i>h</i> —H11 <i>h</i> …O11e	0.84 (5)	2.02 (5)	2.845 (5)	169 (5)
O1 <i>h</i> —H12 <i>h</i> …O3c <sup>™</sup>	0.84 (4)	2.33 (4)	2.934 (5)	129 (4)
01 <i>i</i> —H11 <i>i</i> …O1g	0.84 (5)	2.00 (5)	2.808 (5)	162 (4)
01 <i>i</i> —H12 <i>i</i> …O41 <i>f</i> <sup>™</sup>	0.84 (8)	2.21 (8)	3.049 (5)	176 (7)
01 <i>j</i> —H11 <i>j</i> …O1 <i>i</i>	0.94 (6)	1.92 (5)	2.835 (4)	163 (7)
O1 <i>j</i> —H12 <i>j</i> …O1 <i>b</i>	0.84 (8)	1.94 (8)	2.776 (5)	171 (6)
01 <i>k</i> —H11 <i>k</i> …O11 <i>d</i>	0.84 (7)	2.30 (8)	3.121 (5)	164 (7)
O1 <i>k</i> —H12 <i>k</i> …O1j <sup>™</sup>	0.84 (3)	2.02 (3)	2.855 (4)	173 (6)
01/H12/····O1h	0.84 (3)	2.01 (3)	2.846 (5)	172 (6)
<u>01<i>m</i></u> −H11 <i>m</i> …O42 <i>e</i> <sup>vi</sup>	0.84 (5)	1.94 (6)	2.755 (5)	165 (4)
()1m H12m O1h	() 84 (4)	1 88 (5)	2 704 (5)	167 (1)

Table S3d. Hydrogen-bond geometry (Å, °) for  $[Mg(OH_2)_6(C_{20}H_{14}N_2O_4)]$ ·2.8H<sub>2</sub>O (II).



**Figure S3b.** Representation of hydrogen bonds (dashed lines) for  $[Mg(OH_2)_6(C_{20}H_{14}N_2O_4)] \cdot 2.8H_2O$  (**II**) focused on both the  $Mg^{2+}$  (a) and the 2,5-(dianilino)terephthalate dianion (b) environments. Symmetry codes: (i) -x+1, -y, -z+2; (ii) -x+1, -y+1, -z+1; (iii) x+1, y, z+1; (iv) -x+1, -y, -z+1; (v) -x, -y, -z+1; (vi) x+1, y, z; (vii) -x+2, -y+1, -z+1; (viii) x, y, z-1; (ix) x, y, z+1.

#### 4. DFT calculations

		DRX			DFT			
Atom	x	У	Z	x	у	Z	(Ang.)	
O11a	0.37413 (18)	0.75585 (17)	0.23134 (13)	0.37672	0.75831	0.23141	0.03	
O12a	0.58286 (18)	0.58030 (17)	0.19178 (13)	0.58368	0.57915	0.18889	0.03	
N21a	0.7710 (2)	0.2653 (2)	0.56877 (17)	0.77404	0.26885	0.57246	0.04	
C1a	0.4833 (3)	0.5700 (2)	0.38413 (19)	0.48347	0.56865	0.38281	0.02	
C2a	0.6312 (3)	0.3790 (2)	0.5343 (2)	0.63382	0.38053	0.53638	0.03	
C3a	0.6100 (3)	0.4505 (2)	0.4207 (2)	0.61185	0.45002	0.42089	0.02	
C11a	0.4786 (3)	0.6406 (2)	0.2611 (2)	0.47980	0.64008	0.26072	0.01	
C21a	0.8441 (3)	0.1879 (3)	0.4645 (2)	0.84676	0.19024	0.46903	0.05	
C22a	0.7453 (3)	0.0571 (3)	0.3722 (2)	0.74409	0.05923	0.37516	0.04	
C23a	0.8177 (3)	0.9859 (3)	0.2733 (2)	0.81408	0.98844	0.27310	0.04	
C24a	0.9875 (3)	0.0447 (3)	0.2656 (2)	0.98507	0.04829	0.26381	0.04	
C25a	0.0854 (3)	0.1755 (3)	0.3564 (2)	0.08700	0.17969	0.35688	0.04	
C26a	0.0131 (3)	0.2469 (3)	0.4568 (2)	0.01748	0.25038	0.45946	0.04	
H21a	0.734 (3)	0.201 (3)	0.618 (3)	0.73920	0.19444	0.63197	0.14	
H22a	0.628003	0.016271	0.376832	0.60884	0.01412	0.38077	0.16	
H23a	0.750022	0.895643	0.209919	0.73400	0.88648	0.20021	0.14	
H24a	0.036885	0.994613	0.19741	0.03853	0.99290	0.18364	0.15	
H25a	0.201797	0.217037	0.350789	0.22059	0.22681	0.34977	0.17	
H26a	0.081053	0.33683	0.520383	0.09548	0.35319	0.53262	0.18	
H3a	0.686019	0.415904	0.365122	0.69909	0.41137	0.35721	0.15	
O1b	0.4557 (2)	0.72309 (19)	0.97006 (18)	0.45825	0.72307	0.97070	0.02	
O2b	0.2831 (3)	0.0645 (2)	0.07668 (17)	0.27908	0.07183	0.07344	0.08	
O3b	0.0202 (2)	0.7220 (2)	0.98574 (18)	0.02003	0.71952	0.98584	0.02	
Li1b	0.2784 (5)	0.8319 (4)	0.0588 (4)	0.27683	0.83779	0.05694	0.06	
H11b	0.507 (4)	0.672 (4)	0.041 (3)	0.51769	0.66987	0.05143	0.11	
H12b	0.430 (3)	0.644 (4)	0.899 (3)	0.43207	0.63040	0.89582	0.14	
H21b	0.387 (4)	0.125 (4)	0.071 (3)	0.38164	0.13935	0.06101	0.16	
H22b	0.187 (4)	0.119 (4)	0.060 (3)	0.17079	0.14242	0.05871	0.23	
H31b	0.998 (3)	0.675 (3)	0.054 (3)	0.99322	0.66741	0.05773	0.10	
H32b	0.016 (4)	0.638 (4)	0.921 (3)	0.01879	0.62754	0.91384	0.11	
O1c	0.9540 (3)	0.5667 (2)	0.18607 (17)	0.95388	0.56797	0.18337	0.03	
H11c	0.037 (4)	0.609 (4)	0.257 (3)	0.04443	0.61783	0.27118	0.15	
H12c	0.837 (4)	0.570 (4)	0.200 (3)	0.82659	0.57676	0.19463	0.12	

**Table S4a.** Experimental, DFT optimized fractional atomic coordinates, and atomic displacement (in Å) during DFT optimization for  $[(\text{Li}(OH_2)_3)_2(C_{20}H_{14}N_2O_4)]\cdot 2H_2O$  (**Ia**, form  $\alpha$ ).

	DRX			DFT	Displacement		
Atom	x	У	Z	х	У	Z	(Ang.)
O11a	0.20752 (13)	0.5768 (3)	0.04897 (11)	0.20843	0.57654	0.05008	0.02
O12a	0.29928 (12)	0.8726 (3)	0.01691 (9)	0.30165	0.87257	0.01475	0.05
N21a	0.00787 (17)	0.3872 (3)	0.91189 (12)	0.00523	0.38227	0.90863	0.07
C1a	0.09908 (19)	0.8856 (4)	0.01788 (13)	0.10061	0.88698	0.01768	0.02
C2a	0.00377 (19)	0.1948 (4)	0.95493 (13)	0.00278	0.19386	0.95328	0.03
СЗа	0.1005 (2)	0.0790 (4)	0.97546 (13)	0.10026	0.07828	0.97343	0.03
C11a	0.20846 (19)	0.7688 (4)	0.02927 (13)	0.20955	0.77103	0.02895	0.02
C21a	0.08091 (19)	0.4489 (4)	0.85043 (14)	0.07990	0.44719	0.84943	0.02
C22a	0.0739 (2)	0.6586 (4)	0.82151 (15)	0.07209	0.65890	0.82035	0.03
C23a	0.1410 (2)	0.7272 (5)	0.75842 (15)	0.14315	0.73267	0.75970	0.05
C24a	0.2187 (2)	0.5929 (5)	0.72366 (15)	0.22415	0.59920	0.72612	0.09
C25a	0.2246 (2)	0.3852 (5)	0.75105 (16)	0.23026	0.38795	0.75298	0.08
C26a	0.1574 (2)	0.3130 (4)	0.81332 (15)	0.15950	0.31228	0.81360	0.03
H3a	0.170585	0.134886	0.959747	0.18061	0.13962	0.95487	0.15
H21a	0.944 (2)	0.477 (4)	0.9174 (16)	0.93331	0.46936	0.91478	0.14
H22a	0.022501	0.754389	0.845518	0.00947	0.76464	0.84593	0.17
H23a	0.133754	0.868887	0.738446	0.13565	0.89647	0.73824	0.17
H24a	0.26697	0.642761	0.681889	0.28066	0.65801	0.67950	0.20
H25a	0.27592	0.290219	0.726529	0.29148	0.27983	0.72722	0.20
H26a	0.163024	0.169256	0.83123	0.16463	0.14612	0.83159	0.15
O1b	0.48808 (16)	0.7008 (3)	0.09258 (11)	0.48861	0.69633	0.09247	0.03
O2b	0.37169 (15)	0.2848 (3)	0.05189 (11)	0.37291	0.28740	0.04635	0.09
O3b	0.61718 (16)	0.2613 (3)	0.13076 (12)	0.61470	0.25186	0.13403	0.09
O4b	0.45602 (17)	0.4400 (4)	0.25620 (12)	0.45398	0.43026	0.25975	0.09
Li1b	0.4753 (3)	0.4094 (7)	0.1362 (3)	0.47291	0.40592	0.13869	0.05
H11b	0.534 (2)	0.707 (5)	0.053 (2)	0.54429	0.69943	0.04749	0.16
H12b	0.420 (3)	0.758 (6)	0.067 (2)	0.41921	0.75719	0.06550	0.02
H21b	0.320 (3)	0.382 (6)	0.049 (2)	0.31033	0.39438	0.04403	0.15
H22b	0.341 (3)	0.149 (6)	0.042 (2)	0.33858	0.14427	0.03993	0.06
H31b	0.649 (3)	0.210 (6)	0.080 (2)	0.64612	0.20089	0.08062	0.08
H32b	0.669 (2)	0.318 (5)	0.1589 (19)	0.67692	0.31793	0.16612	0.17
H41b	0.421 (3)	0.541 (5)	0.286 (2)	0.42429	0.55014	0.29242	0.12
H42b	0.477 (3)	0.348 (6)	0.293 (2)	0.47474	0.32777	0.30430	0.22

**Table S4b.** Experimental, DFT optimized fractional atomic coordinates, and atomic displacement (in Å) during DFT optimization for  $[(\text{Li}(OH_2)_4)_2(C_{20}H_{14}N_2O_4)]$  (**Ib**, form  $\beta$ ).



**Figure S4a.** Total Density of states (DOS) for compound **Ia** (form  $\alpha$ ) (top) and compound **Ib** (form  $\beta$ ) (bottom).



**Figure S4b.** Isosurface of the partial charge density calculated for the HOMO (left) and LUMO (right) for compound **Ia** (form  $\alpha$ ).



**Figure S4c.** Imaginary part of the calculated dielectric constant for compound **Ia** (form  $\alpha$ ) (top) and compound **Ib** (form  $\beta$ ) (bottom).