Supporting Information

Synthesis, Structure, and Magnetism of Non-planar Heptanuclear Lanthanide(III) Complexes

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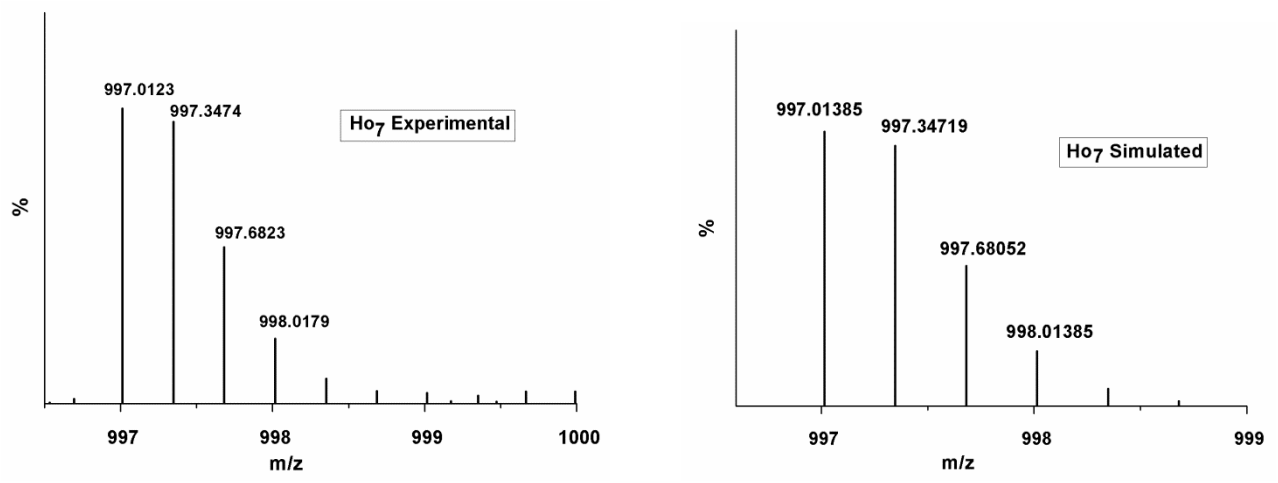


(a) (b)

Figure S1: ESI-MS spectra of **4**, (a) Experimental and (b) Simulated

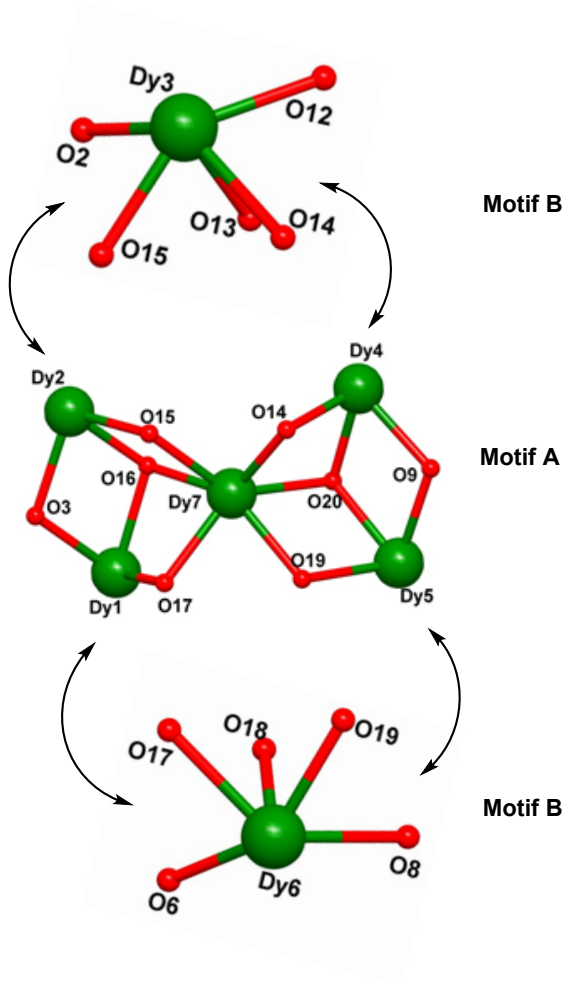
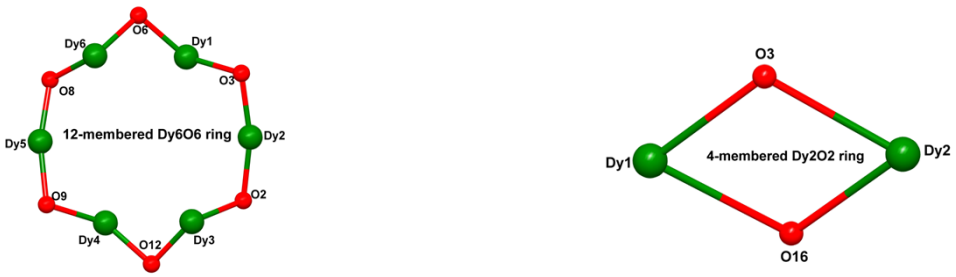


Figure S2: Illustration of the aggregation of three sub-units that leads to the formation of the Dy_7 core in **3**.



(a) (b)

Figure S3: Metallacycles rings of complex **3**, (a) 12-membered Dy6O6 ring and (b) 4-membered Dy2O2 ring.

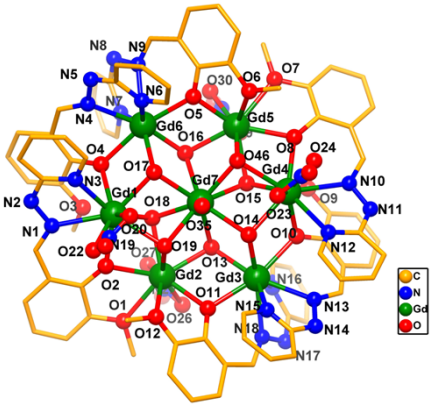
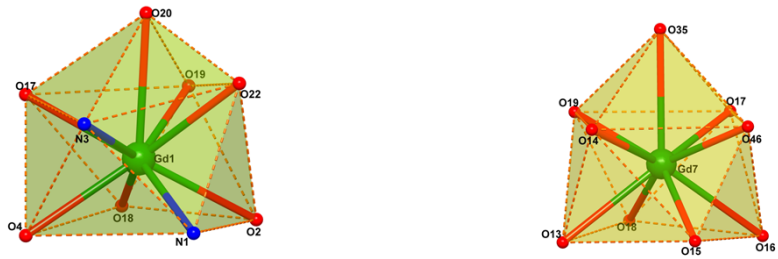
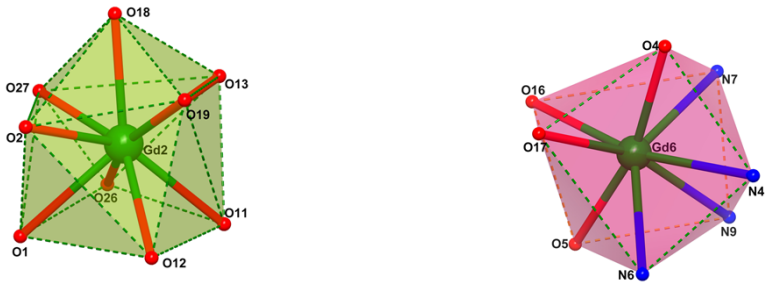


Figure S4: Molecular structure of **1**. All the hydrogen atoms have been omitted for clarity.



(a) (b)



(c) (d)

Figure S5: (a), (b), (c) and (d) coordination geometry around lanthanide ions of complex **1**.

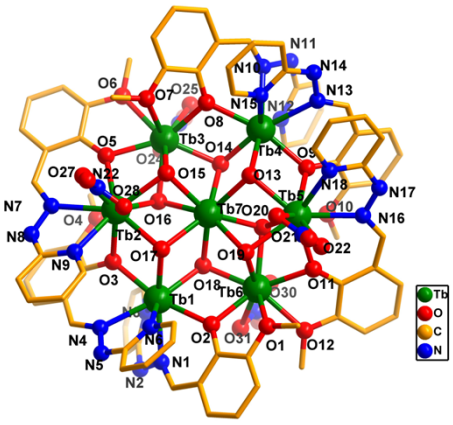


Figure S6: Molecular structure of **2**. All the hydrogen atoms have been omitted for clarity.

(a) (b)

(c) (d)

Figure S7: (a), (b), (c) and (d) coordination geometry around lanthanide ions of complex **2**.

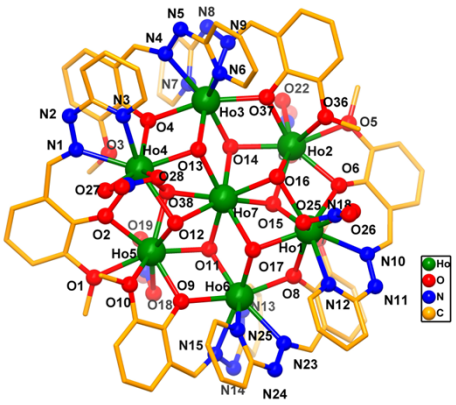
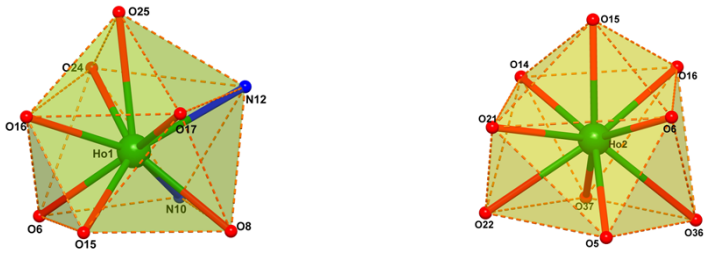
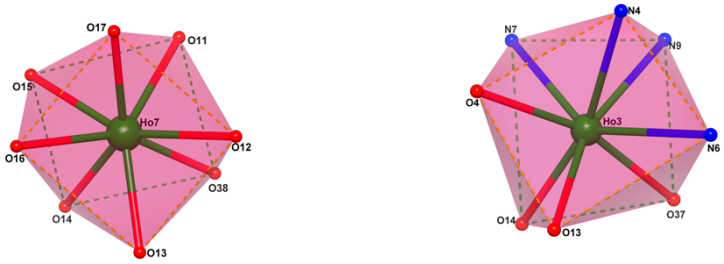


Figure S8: Molecular structure of **4**. All the hydrogen atoms have been omitted for clarity.



(a) (b)



(c) (d)

Figure S9: (a), (b), (c) and (d) coordination geometry around lanthanide ions of complex**4**.

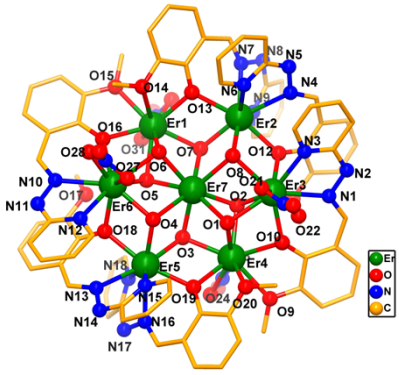


Figure S10: Molecular structure of **5**. All the hydrogen atoms have been omitted for clarity.

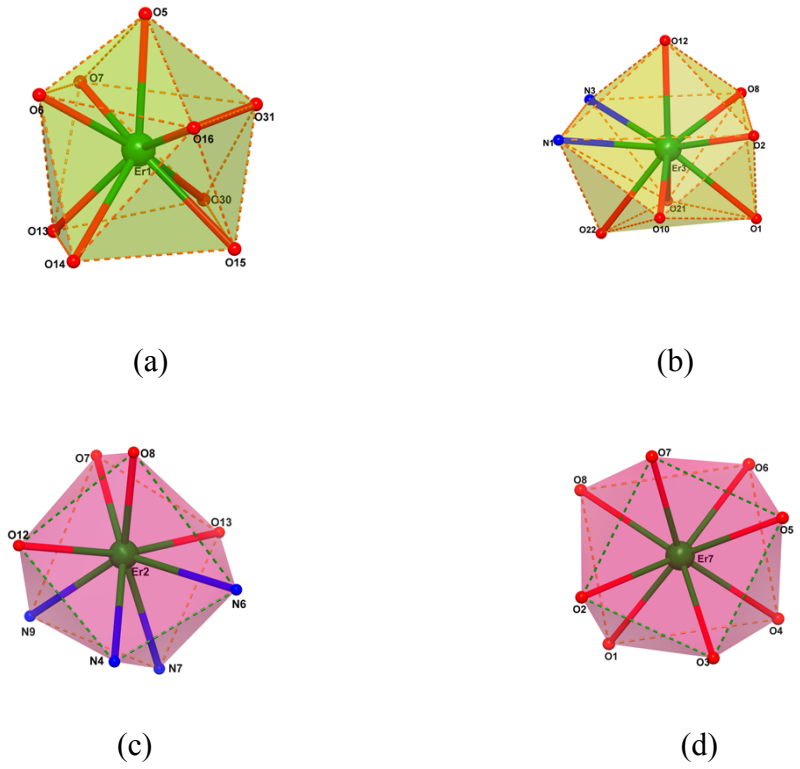


Figure S11: (a), (b), (c) and (d) coordination geometry around lanthanide ions of complex **5**.

Table S1. Bond valence sum (BVS) calculations for O atoms of complex **3**

Atoms	BVS	Assignment
O13	1.127	HO^-
O14	1.107	HO^-
O15	1.078	HO^-
O16	1.114	HO^-
O17	1.096	HO^-
O18	1.132	HO^-
O19	1.100	HO^-
O20	1.130	HO^-

Shape analysis

Table S2: Summary of SHAPE analysis for complex **3**.

EP-9 1 D9h Enneagon
OPY-9 2 C8v Octagonal pyramid
HBPY-9 3 D7h Heptagonal bipyramid
JTC-9 4 C3v Johnson triangular cupola J3
JCCU-9 5 C4v Capped cube J8
CCU-9 6 C4v Spherical-relaxed capped cube
JCSAPR-9 7 C4v Capped square antiprism J10
CSAPR-9 8 C4v Spherical capped square antiprism
JTCTPR-9 9 D3h Tricapped trigonal prism J51
TCTPR-9 10 D3h Spherical tricapped trigonal prism
JTDIC-9 11 C3v Tridiminished icosahedron J63
HH-9 12 C2v Hula-hoop
MFF-9 13 Cs Muffin

Structure [ML9]	EP-9	OPY-9	HBPY-9	JTC-9	JCCU-9	CCU-9
Dy1 ,	32.501,	22.464,	16.274,	15.019,	6.857,	5.519,
Dy3 ,	35.364,	20.050,	18.790,	14.538,	10.812,	9.795,
Dy4 ,	33.730,	23.219,	16.738,	14.978,	7.041,	5.760,
Dy6 ,	34.939,	20.758,	18.347,	14.302,	10.485,	9.565,
Dy7 ,	35.763,	20.375,	17.390,	15.823,	7.750,	7.124,

	JCSAPR-9	CSAPR-9	JTCTPR-9	TCTPR-9	JTDIC-9	HH-9	MFF-9
Dy1 ,	2.945,	**2.057**,	3.414,	3.056,	11.658,	8.889,	2.507
Dy3 ,	1.963,	**1.282**,	3.717,	1.861,	10.829,	12.317,	1.643
Dy4 ,	2.701,	**1.840**,	3.276,	2.633,	11.604,	8.897,	2.030
Dy6 ,	1.943,	**1.339**,	3.611,	1.962,	11.024,	11.873,	1.596
Dy7 ,	1.367,	**1.125**,	2.980,	1.944,	10.668,	10.413,	1.677

OP-8 1 D8h Octagon
HPY-8 2 C7v Heptagonal pyramid
HBPY-8 3 D6h Hexagonal bipyramid
CU-8 4 Oh Cube
SAPR-8 5 D4d Square antiprism
TDD-8 6 D2d Triangular dodecahedron
JGBF-8 7 D2d Johnson gyrobifastigium J26
JETBPY-8 8 D3h Johnson elongated triangular bipyramid J14
JBTPR-8 9 C2v Biaugmented trigonal prism J50
BTPR-8 10 C2v Biaugmented trigonal prism
JSD-8 11 D2d Snub diphenoid J84
TT-8 12 Td Triakis tetrahedron
ETBPY-8 13 D3h Elongated trigonal bipyramid

Structure [ML8]	OP-8	HPY-8	HBPY-8	CU-8	SAPR-8	TDD-8
Dy2 ,	34.036,	21.695,	11.489,	4.025,	2.851,	**2.161**,
Dy5 ,	33.358,	20.881,	11.966,	5.169,	2.603,	**1.816**,

	JGBF-8	JETBPY-8	JBTPR-8	BTPR-8	JSD-8	TT-8	ETBPY-8

Dy2 , 14.831, 25.262, 4.928, 4.355, 6.463, 4.923, 22.221
Dy5 , 15.621, 26.074, 4.609, 4.028, 5.785, 6.040, 23.082

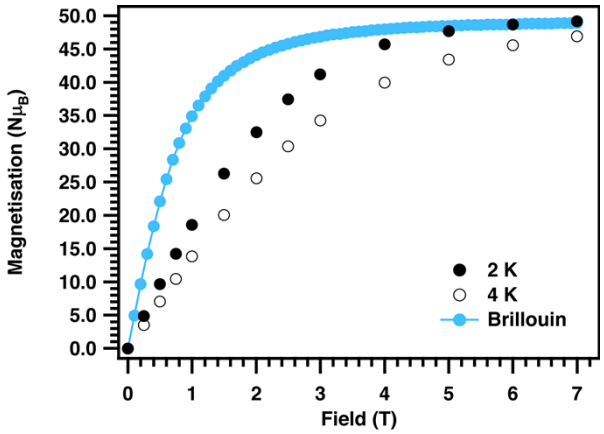


Figure S12: Field-dependent magnetization for compound **1**with a calculated Brillouin curve for seven Gd^{III} centers with $S = 7/2$ (blue symbols; $g = 2$; $T = 2$ K).

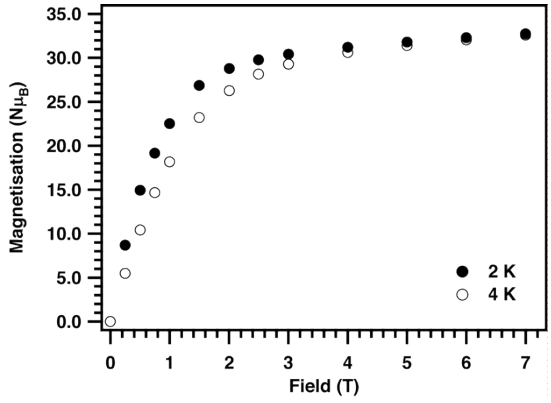


Figure S13: Field-dependent magnetization for compound **2**.

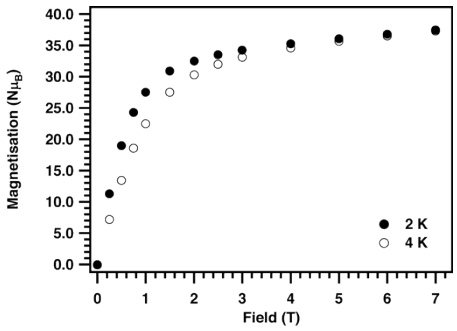


Figure S14: Field-dependent magnetization for compound **3**.

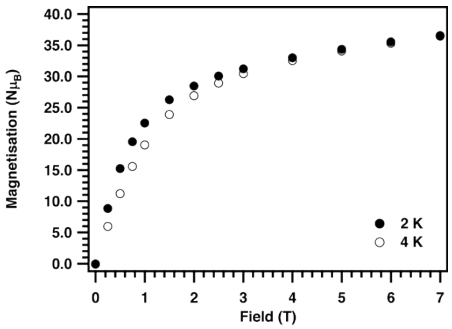


Figure S15: Field-dependent magnetization for compound **4**.

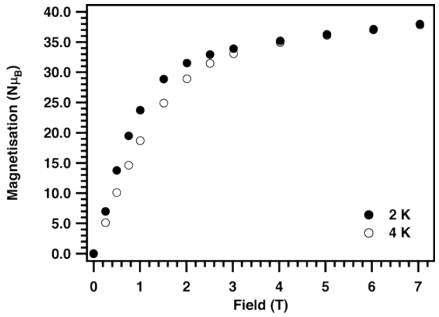


Figure S16: Field-dependent magnetization for compound **5**.

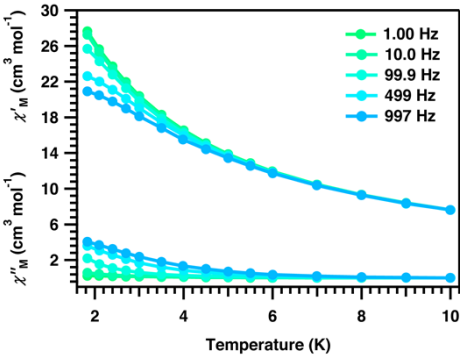
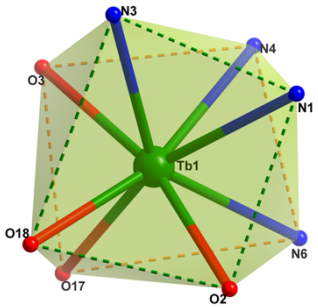
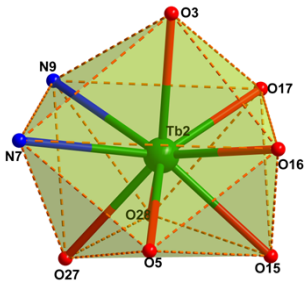
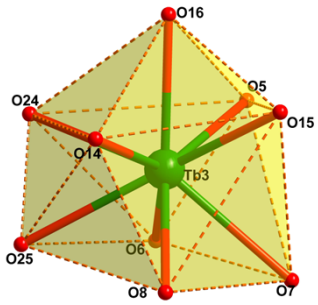
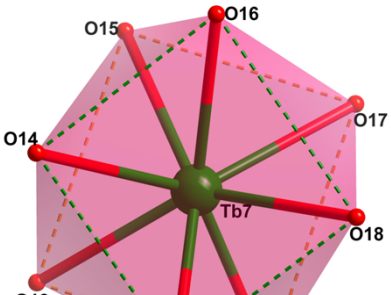


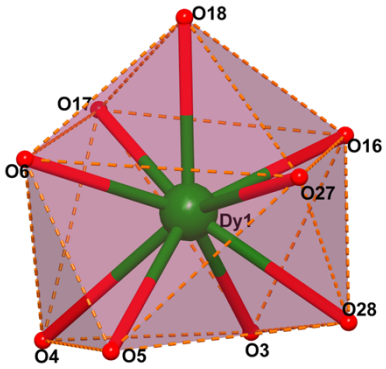
Figure S17: Measure of the in-phase (top) and out-of-phase (bottom) molar magnetic susceptibility for compound **3**, measured under a static field of 0.1 T.

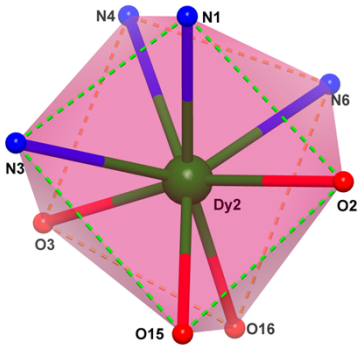
Table S3: Coordination geometry, bond distances (Å) and bond angles (°) of complexes **2** and **3**

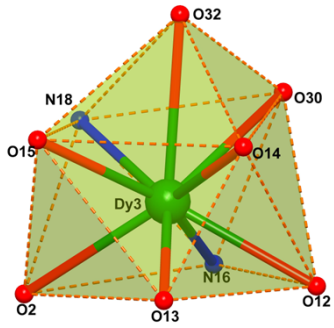
Coordination environment around metal ion	Bond lengths(Å)	Bond angles(°)	
 Complex **2** : Distorted squar-antiprism		O(18)-Tb(1)-O(2)	70.7(3)
		O(18)-Tb(1)-O(17)	73.8(3)
		O(2)-Tb(1)-O(17)	99.4(3)
		O(18)-Tb(1)-O(3)	96.2(3)
		O(2)-Tb(1)-O(3)	166.0(3)
		O(17)-Tb(1)-O(3)	71.4(3)
		O(18)-Tb(1)-N(6)	131.6(3)
		O(2)-Tb(1)-N(6)	73.4(3)
		O(17)-Tb(1)-N(6)	81.4(3)
		O(3)-Tb(1)-N(6)	114.3(3)
	Tb(1)-O(18)2.343(8)	O(18)-Tb(1)-N(1)	112.7(3)
	Tb(1)-O(2)2.350(7)	O(2)-Tb(1)-N(1)	68.0(3)
	Tb(1)-O(17)2.358(8)	O(17)-Tb(1)-N(1)	161.2(3)
	Tb(1)-O(3)2.360(7)	O(3)-Tb(1)-N(1)	123.4(3)
	Tb(1)-N(6)2.523(10)	N(6)-Tb(1)-N(1)	81.6(3)
	Tb(1)-N(1)2.544(10)	O(18)-Tb(1)-N(4)	165.0(3)
	Tb(1)-N(4)2.547(9)	O(2)-Tb(1)-N(4)	123.0(3)
	Tb(1)-N(3)2.549(11)	O(17)-Tb(1)-N(4)	107.2(3)
		O(3)-Tb(1)-N(4)	70.6(3)
		N(6)-Tb(1)-N(4)	62.5(3)
		N(1)-Tb(1)-N(4)	71.4(3)
		O(18)-Tb(1)-N(3)	83.0(3)
		O(2)-Tb(1)-N(3)	107.7(3)
		O(17)-Tb(1)-N(3)	135.8(3)
		O(3)-Tb(1)-N(3)	74.5(3)
		N(6)-Tb(1)-N(3)	139.3(4)
		N(1)-Tb(1)-N(3)	62.9(3)
		N(4)-Tb(1)-N(3)	86.5(3)
	Tb(2)-O(16)2.349(9)	O(16)-Tb(2)-O(17)	75.7(3)
	Tb(2)-O(17)2.406(8)	O(16)-Tb(2)-O(5)	70.3(3)
	Tb(2)-O(5)2.408(9)	O(17)-Tb(2)-O(5)	141.7(3)
	Tb(2)-O(3)2.415(8)	O(16)-Tb(2)-O(3)	76.4(3)
	Tb(2)-O(15)2.469(8)	O(17)-Tb(2)-O(3)	69.6(3)
	Tb(2)-O(27)2.485(9)	O(5)-Tb(2)-O(3)	117.4(3)

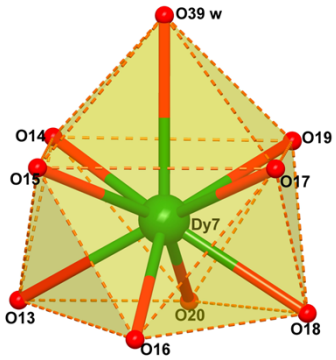
 Complex **2** : Distorted monocapped squar-antiprism	Tb(2)-O(28)2.545(10) Tb(2)-N(7)2.571(10) Tb(2)-N(9)2.593(12)	O(16)-Tb(2)-O(15) O(17)-Tb(2)-O(15) O(5)-Tb(2)-O(15) O(3)-Tb(2)-O(15) O(16)-Tb(2)-O(27) O(17)-Tb(2)-O(27) O(5)-Tb(2)-O(27) O(3)-Tb(2)-O(27) O(15)-Tb(2)-O(27) O(16)-Tb(2)-O(28) O(17)-Tb(2)-O(28) O(5)-Tb(2)-O(28) O(3)-Tb(2)-O(28) O(15)-Tb(2)-O(28) O(27)-Tb(2)-O(28) O(16)-Tb(2)-N(7) O(17)-Tb(2)-N(7) O(5)-Tb(2)-N(7) O(3)-Tb(2)-N(7) O(15)-Tb(2)-N(7) O(27)-Tb(2)-N(7) O(28)-Tb(2)-N(7) O(16)-Tb(2)-N(9) O(17)-Tb(2)-N(9) O(5)-Tb(2)-N(9) O(3)-Tb(2)-N(9) O(15)-Tb(2)-N(9) O(27)-Tb(2)-N(9) O(28)-Tb(2)-N(9)	60.4(3) 74.7(3) 73.4(3) 129.2(3) 138.9(3) 122.6(3) 76.6(3) 142.4(3) 87.5(3) 126.7(3) 72.0(3) 115.6(3) 126.8(3) 70.7(3) 50.6(3) 120.6(3) 143.9(3) 71.6(3) 82.7(3) 141.1(3) 68.4(3) 110.4(3) 149.0(3) 86.1(3) 132.2(3) 73.8(3) 138.3(4) 72.1(3) 68.2(4)
	Tb(3)-O(15) 2.319(10) Tb(3)-O(8) 2.341(8) Tb(3)-O(5) 2.365(8) Tb(3)-O(14) 2.376(7) Tb(3)-O(16) 2.418(7) Tb(3)-O(24) 2.451(11) Tb(3)-O(6)2.477(8) Tb(3)-O(25) 2.523(10) Tb(3)-O(7)2.624(8)	O(15)-Tb(3)-O(8) O(15)-Tb(3)-O(5) O(8)-Tb(3)-O(5) O(15)-Tb(3)-O(14) O(8)-Tb(3)-O(14) O(5)-Tb(3)-O(14) O(15)-Tb(3)-O(16) O(8)-Tb(3)-O(16) O(5)-Tb(3)-O(16)	90.5(3) 77.0(3) 141.2(3) 80.5(3) 69.8(3) 140.8(3) 61.6(3) 135.1(3) 69.9(3)

 Complex **2** : Distorted monocapped squar-antiprism		O(14)-Tb(3)-O(16) 71.3(3) O(15)-Tb(3)-O(24) 136.3(3) O(8)-Tb(3)-O(24) 120.8(3) O(5)-Tb(3)-O(24) 91.6(3) O(14)-Tb(3)-O(24) 83.1(3) O(16)-Tb(3)-O(24) 74.8(3) O(15)-Tb(3)-O(6) 131.8(3) O(8)-Tb(3)-O(6) 99.3(3) O(5)-Tb(3)-O(6) 65.9(3) O(14)-Tb(3)-O(6) 147.1(3) O(16)-Tb(3)-O(6) 125.6(3) O(24)-Tb(3)-O(6) 76.3(3) O(15)-Tb(3)-O(25) 155.0(3) O(8)-Tb(3)-O(25) 71.8(3) O(5)-Tb(3)-O(25) 127.8(3) O(14)-Tb(3)-O(25) 77.0(3) O(16)-Tb(3)-O(25) 119.4(3) O(24)-Tb(3)-O(25) 50.8(3) O(6)-Tb(3)-O(25) 70.1(3) O(15)-Tb(3)-O(7) 74.0(3) O(8)-Tb(3)-O(7) 62.0(3) O(5)-Tb(3)-O(7) 79.2(3) O(14)-Tb(3)-O(7) 124.2(3) O(16)-Tb(3)-O(7) 130.0(3) O(24)-Tb(3)-O(7) 145.7(3) O(6)-Tb(3)-O(7) 69.8(3) O(25)-Tb(3)-O(7) 110.6(3)
	Tb(7)-O(20) 2.356(9) Tb(7)-O(14) 2.389(9) Tb(7)-O(16) 2.389(8) Tb(7)-O(15) 2.407(10) Tb(7)-O(19) 2.416(8) Tb(7)-O(18) 2.418(9) Tb(7)-O(13) 2.440(8) Tb(7)-O(17) 2.465(8)	O(20)-Tb(7)-O(14) 77.8(3) O(20)-Tb(7)-O(16) 122.7(3) O(14)-Tb(7)-O(16) 71.6(3) O(20)-Tb(7)-O(15) 152.6(3) O(14)-Tb(7)-O(15) 78.4(3) O(16)-Tb(7)-O(15) 60.8(3) O(20)-Tb(7)-O(19) 61.8(3) O(14)-Tb(7)-O(19) 131.9(3) O(16)-Tb(7)-O(19) 152.6(3) O(15)-Tb(7)-O(19) 129.7(3) O(20)-Tb(7)-O(18) 70.7(3)

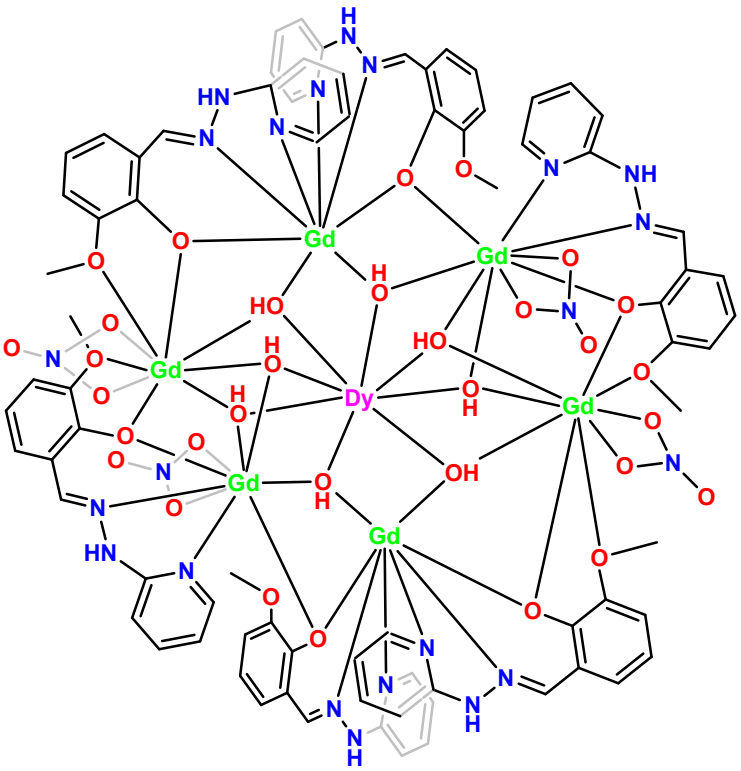
		O(14)-Tb(7)-O(18) 112.7(3) O(16)-Tb(7)-O(18) 78.3(3) O(15)-Tb(7)-O(18) 132.1(3) O(19)-Tb(7)-O(18) 78.7(3) O(20)-Tb(7)-O(13) 74.3(3) O(14)-Tb(7)-O(13) 68.6(3) O(16)-Tb(7)-O(13) 131.3(3) O(15)-Tb(7)-O(13) 84.5(3) O(19)-Tb(7)-O(13) 75.8(3) O(18)-Tb(7)-O(13) 143.4(3) O(20)-Tb(7)-O(17) 132.5(3) O(14)-Tb(7)-O(17) 143.6(3) O(16)-Tb(7)-O(17) 73.9(3) O(15)-Tb(7)-O(17) 74.8(3) O(19)-Tb(7)-O(17) 84.5(3) O(18)-Tb(7)-O(17) 70.6(3) O(13)-Tb(7)-O(17) 131.5(3)
 Complex **3** : Distorted monocapped squar-antiprism	Dy(1)-O(17)2.302(9) Dy(1)-O(3)2.319(7) Dy(1)-O(6)2.335(9) Dy(1)-O(18) 2.373(8) Dy(1)-O(16)2.378(7) Dy(1)-O(27)2.425(11) Dy(1)-O(5)2.494(9) Dy(1)-O(28)2.535(11) Dy(1)-O(4)2.643(8)	O(17)-Dy(1)-O(3) 90.1(3) O(17)-Dy(1)-O(6) 76.3(3) O(3)-Dy(1)-O(6) 140.0(3) O(17)-Dy(1)-O(18) 62.4(3) O(3)-Dy(1)-O(18) 135.6(3) O(6)-Dy(1)-O(18) 70.1(3) O(17)-Dy(1)-O(16) 81.4(3) O(3)-Dy(1)-O(16) 70.3(3) O(6)-Dy(1)-O(16) 141.2(3) O(18)-Dy(1)-O(16) 71.5(3) O(17)-Dy(1)-O(27) 137.5(4) O(3)-Dy(1)-O(27) 120.0(4) O(6)-Dy(1)-O(27) 93.5(4) O(18)-Dy(1)-O(27) 75.3(4) O(16)-Dy(1)-O(27) 82.0(3) O(17)-Dy(1)-O(5) 128.6(3) O(3)-Dy(1)-O(5) 97.8(3) O(6)-Dy(1)-O(5) 65.3(3) O(18)-Dy(1)-O(5) 126.6(3) O(16)-Dy(1)-O(5) 148.7(3) O(27)-Dy(1)-O(5) 79.6(3)

		O(17)-Dy(1)-O(28)	154.3(3)
		O(3)-Dy(1)-O(28)	70.8(3)
		O(6)-Dy(1)-O(28)	129.4(3)
		O(18)-Dy(1)-O(28)	120.0(4)
		O(16)-Dy(1)-O(28)	76.0(3)
		O(27)-Dy(1)-O(28)	51.0(4)
		O(5)-Dy(1)-O(28)	72.7(4)
		O(17)-Dy(1)-O(4)	71.8(3)
		O(3)-Dy(1)-O(4)	62.0(3)
		O(6)-Dy(1)-O(4)	78.0(3)
		O(18)-Dy(1)-O(4)	128.7(3)
		O(16)-Dy(1)-O(4)	124.2(2)
		O(27)-Dy(1)-O(4)	147.1(3)
		O(5)-Dy(1)-O(4)	67.9(3)
		O(28)-Dy(1)-O(4)	111.3(3)
 Complex **3** : Distorted squar-antiprism	Dy(2)-O(16)2.311(7) Dy(2)-O(15)2.335(7) Dy(2)-O(2)2.347(7) Dy(2)-O(3)2.362(7) Dy(2)-N(6)2.498(10) Dy(2)-N(3)2.504(9) Dy(2)-N(1)2.526(9) Dy(2)-N(4)2.541(9)	O(16)-Dy(2)-O(15) O(16)-Dy(2)-O(2) O(15)-Dy(2)-O(2) O(16)-Dy(2)-O(3) O(15)-Dy(2)-O(3) O(2)-Dy(2)-O(3) O(16)-Dy(2)-N(6) O(15)-Dy(2)-N(6) O(2)-Dy(2)-N(6) O(3)-Dy(2)-N(6) O(16)-Dy(2)-N(3) O(15)-Dy(2)-N(3) O(2)-Dy(2)-N(3) O(3)-Dy(2)-N(3) N(6)-Dy(2)-N(3) O(16)-Dy(2)-N(1) O(15)-Dy(2)-N(1) O(2)-Dy(2)-N(1) O(3)-Dy(2)-N(1) N(6)-Dy(2)-N(1) N(3)-Dy(2)-N(1) O(16)-Dy(2)-N(4) O(15)-Dy(2)-N(4)	72.1(3) 95.9(3) 71.4(2) 70.7(3) 99.1(2) 165.8(2) 84.1(3) 135.2(3) 74.2(3) 108.1(3) 129.5(3) 80.5(3) 114.5(3) 73.0(3) 140.9(3) 165.3(3) 107.1(3) 70.4(3) 123.4(3) 86.8(3) 63.5(3) 113.6(3) 161.8(3)

		O(2)-Dy(2)-N(4) 123.3(3) O(3)-Dy(2)-N(4) 68.4(3) N(6)-Dy(2)-N(4) 62.9(3) N(3)-Dy(2)-N(4) 83.1(3) N(1)-Dy(2)-N(4) 71.9(3)
 Complex **3** : Distorted monocapped squar-antiprism	Dy(3)-O(13)2.316(7) Dy(3)-O(12)2.378(7) Dy(3)-O(15)2.387(7) Dy(3)-O(2)2.396(7) Dy(3)-O(14)2.461(7) Dy(3)-O(30)2.481(7) Dy(3)-N(16)2.559(9) Dy(3)-N(18)2.583(9) Dy(3)-O(32)2.591(8)	O(13)-Dy(3)-O(12) 70.3(2) O(13)-Dy(3)-O(15) 75.6(3) O(12)-Dy(3)-O(15) 141.8(2) O(13)-Dy(3)-O(2) 78.4(2) O(12)-Dy(3)-O(2) 118.2(2) O(15)-Dy(3)-O(2) 69.6(2) O(13)-Dy(3)-O(14) 60.3(2) O(12)-Dy(3)-O(14) 73.2(2) O(15)-Dy(3)-O(14) 75.3(2) O(2)-Dy(3)-O(14) 131.1(2) O(13)-Dy(3)-O(30) 138.3(2) O(12)-Dy(3)-O(30) 77.2(2) O(15)-Dy(3)-O(30) 121.5(2) O(2)-Dy(3)-O(30) 141.6(2) O(14)-Dy(3)-O(30) 86.0(2) O(13)-Dy(3)-N(16) 122.6(3) O(12)-Dy(3)-N(16) 72.1(2) O(15)-Dy(3)-N(16) 143.8(2) O(2)-Dy(3)-N(16) 83.0(2) O(14)-Dy(3)-N(16) 140.3(3) O(30)-Dy(3)-N(16) 68.0(2) O(13)-Dy(3)-N(18) 149.8(3) O(12)-Dy(3)-N(18) 133.4(3) O(15)-Dy(3)-N(18) 84.7(3) O(2)-Dy(3)-N(18) 73.4(3) O(14)-Dy(3)-N(18) 136.0(3) O(30)-Dy(3)-N(18) 71.7(2) N(16)-Dy(3)-N(18) 64.5(3) O(13)-Dy(3)-O(32) 125.0(2) O(12)-Dy(3)-O(32) 115.6(2) O(15)-Dy(3)-O(32) 71.4(2) O(2)-Dy(3)-O(32) 126.0(2) O(14)-Dy(3)-O(32) 69.4(2)

		O(30)-Dy(3)-O(32)	50.1(2)
		N(16)-Dy(3)-O(32)	109.8(2)
		N(18)-Dy(3)-O(32)	67.2(3)
 Complex **3** : Distorted monocapped squar-antiprism	Dy(7)-O(14)2.369(8) Dy(7)-O(17)2.380(9) Dy(7)-O(18)2.392(8) Dy(7)-O(13)2.399(8) Dy(7)-O(19)2.431(8) Dy(7)-O(16)2.434(8) Dy(7)-O(15)2.434(7) Dy(7)-O(20)2.437(7) Dy(7)-O(39)2.815(18)	O(14)-Dy(7)-O(17) O(14)-Dy(7)-O(18) O(17)-Dy(7)-O(18) O(14)-Dy(7)-O(13) O(17)-Dy(7)-O(13) O(18)-Dy(7)-O(13) O(14)-Dy(7)-O(19) O(17)-Dy(7)-O(19) O(18)-Dy(7)-O(19) O(13)-Dy(7)-O(19) O(14)-Dy(7)-O(16) O(17)-Dy(7)-O(16) O(18)-Dy(7)-O(16) O(13)-Dy(7)-O(16) O(19)-Dy(7)-O(16) O(14)-Dy(7)-O(15) O(17)-Dy(7)-O(15) O(18)-Dy(7)-O(15) O(13)-Dy(7)-O(15) O(19)-Dy(7)-O(15) O(16)-Dy(7)-O(15) O(14)-Dy(7)-O(20) O(17)-Dy(7)-O(20) O(18)-Dy(7)-O(20) O(13)-Dy(7)-O(20) O(19)-Dy(7)-O(20) O(16)-Dy(7)-O(20) O(15)-Dy(7)-O(20) O(14)-Dy(7)-O(39) O(17)-Dy(7)-O(39) O(18)-Dy(7)-O(39) O(13)-Dy(7)-O(39) O(19)-Dy(7)-O(39) O(16)-Dy(7)-O(39) O(15)-Dy(7)-O(39)	133.8(3) 152.5(3) 61.0(3) 60.5(2) 151.8(3) 119.3(3) 87.4(3) 76.1(3) 73.5(3) 132.0(2) 129.8(2) 78.7(3) 70.3(3) 75.7(2) 142.6(3) 76.1(2) 86.5(2) 131.3(2) 73.2(2) 136.0(3) 68.3(2) 78.3(2) 131.3(2) 76.6(3) 69.8(2) 69.4(3) 109.8(3) 142.0(2) 62.5(4) 71.6(5) 122.3(4) 118.1(3) 64.4(5) 131.1(6) 71.8(5)

		O(20)-Dy(7)-O(39)	119.0(6)



Complex 1

Table S4. Bond lengths (Å) found in **1**

Gd(1)-O(18)	2.360(11)	Gd(6)-N(6)	2.494(12)
Gd(1)-O(2)	2.403(9)	Gd(6)-N(7)	2.533(13)
Gd(1)-O(4)	2.414(8)	Gd(6)-N(4)	2.552(11)
Gd(1)-O(17)	2.427(10)	Gd(6)-N(9)	2.576(10)
Gd(1)-O(19)	2.484(9)	Gd(6)-Gd(5)	3.8877(14)
Gd(1)-O(22)	2.519(9)	Gd(6)-Gd(7)	3.9460(12)
Gd(1)-N(1)	2.579(12)	Gd(7)-O(18)	2.408(10)
Gd(1)-N(3)	2.610(11)	Gd(7)-O(46)	2.436(10)
Gd(1)-O(20)	2.611(10)	Gd(7)-O(19)	2.452(8)
Gd(1)-N(19)	2.984(14)	Gd(7)-O(15)	2.454(13)

Gd(1)-Gd(2)	3.6144(12)	Gd(7)-O(13)	2.462(11)
Gd(1)-Gd(7)	3.6248(13)	Gd(7)-O(17)	2.464(11)
Gd(2)-O(19)	2.334(9)	Gd(7)-O(14)	2.478(11)
Gd(2)-O(13)	2.370(11)	Gd(7)-O(16)	2.486(12)
Gd(2)-O(11)	2.373(9)	Gd(7)-O(35)	2.603(13)
Gd(2)-O(18)	2.399(8)	Gd(7)-Gd(5)	3.5841(13)
Gd(2)-O(2)	2.410(9)	Gd(7)-Gd(4)	3.6088(13)
Gd(2)-O(27)	2.473(11)	Gd(4)-O(15)	2.352(13)
Gd(2)-O(1)	2.497(9)	Gd(4)-O(10)	2.396(11)
Gd(2)-O(26)	2.519(11)	Gd(4)-O(8)	2.403(13)
Gd(2)-O(12)	2.641(10)	Gd(4)-O(14)	2.423(11)
Gd(2)-N(22)	2.901(16)	Gd(4)-O(46)	2.492(10)
Gd(2)-Gd(7)	3.5731(14)	Gd(4)-O(24)	2.562(15)
Gd(3)-O(13)	2.347(12)	Gd(4)-N(10)	2.584(14)
Gd(3)-O(14)	2.365(12)	Gd(4)-O(23)	2.612(17)
Gd(3)-O(11)	2.381(9)	Gd(4)-N(20)	2.98(3)
Gd(3)-O(10)	2.397(10)	Gd(4)-Gd(5)	3.6158(15)
Gd(3)-N(15)	2.522(14)	Gd(5)-O(5)	2.349(10)
Gd(3)-N(13)	2.541(13)	Gd(5)-O(46)	2.352(11)
Gd(3)-N(16)	2.548(14)	Gd(5)-O(16)	2.390(11)
Gd(3)-N(18)	2.558(10)	Gd(5)-O(15)	2.394(11)
Gd(3)-Gd(4)	3.9029(16)	Gd(5)-O(8)	2.432(13)
Gd(3)-Gd(7)	3.9359(13)	Gd(5)-O(29)	2.437(15)
Gd(6)-O(16)	2.320(12)	Gd(5)-O(30)	2.516(16)
Gd(6)-O(17)	2.355(10)	Gd(5)-O(7)	2.516(11)
Gd(6)-O(5)	2.373(9)	Gd(5)-O(6)	2.648(10)
Gd(6)-O(4)	2.386(8)	Gd(5)-N(21)	2.90(2)

Table S5. Bond angles (°) found in **1**

O(18)-Gd(1)-O(2)	72.1(3)	N(7)-Gd(6)-Gd(5)	101.2(3)
O(18)-Gd(1)-O(4)	80.3(3)	N(4)-Gd(6)-Gd(5)	158.9(2)
O(2)-Gd(1)-O(4)	119.1(3)	N(9)-Gd(6)-Gd(5)	92.3(3)
O(18)-Gd(1)-O(17)	74.3(4)	O(16)-Gd(6)-Gd(1)	82.0(3)
O(2)-Gd(1)-O(17)	142.9(3)	O(17)-Gd(6)-Gd(1)	35.5(3)
O(4)-Gd(1)-O(17)	69.3(3)	O(5)-Gd(6)-Gd(1)	134.0(2)
O(18)-Gd(1)-O(19)	59.8(3)	O(4)-Gd(6)-Gd(1)	35.5(2)

O(2)-Gd(1)-O(19)	73.3(3)	N(6)-Gd(6)-Gd(1)	100.0(3)
O(4)-Gd(1)-O(19)	133.1(3)	N(7)-Gd(6)-Gd(1)	105.1(2)
O(17)-Gd(1)-O(19)	76.6(3)	N(4)-Gd(6)-Gd(1)	88.5(2)
O(18)-Gd(1)-O(22)	136.9(3)	N(9)-Gd(6)-Gd(1)	157.1(3)
O(2)-Gd(1)-O(22)	77.3(3)	Gd(5)-Gd(6)-Gd(1)	109.21(2)
O(4)-Gd(1)-O(22)	142.2(3)	O(16)-Gd(6)-Gd(7)	36.2(3)
O(17)-Gd(1)-O(22)	119.8(4)	O(17)-Gd(6)-Gd(7)	36.0(3)
O(19)-Gd(1)-O(22)	82.9(3)	O(5)-Gd(6)-Gd(7)	82.2(2)
O(18)-Gd(1)-N(1)	126.2(4)	O(4)-Gd(6)-Gd(7)	84.4(2)
O(2)-Gd(1)-N(1)	71.1(3)	N(6)-Gd(6)-Gd(7)	105.4(3)
O(4)-Gd(1)-N(1)	84.7(3)	N(7)-Gd(6)-Gd(7)	116.3(3)
O(17)-Gd(1)-N(1)	144.2(3)	N(4)-Gd(6)-Gd(7)	140.6(2)
O(19)-Gd(1)-N(1)	137.9(3)	N(9)-Gd(6)-Gd(7)	146.5(3)
O(22)-Gd(1)-N(1)	68.0(3)	Gd(5)-Gd(6)-Gd(7)	54.45(2)
O(18)-Gd(1)-N(3)	150.7(3)	Gd(1)-Gd(6)-Gd(7)	54.88(2)
O(2)-Gd(1)-N(3)	131.7(3)	O(18)-Gd(7)-O(46)	151.3(3)
O(4)-Gd(1)-N(3)	72.8(3)	O(18)-Gd(7)-O(19)	59.6(3)
O(17)-Gd(1)-N(3)	85.2(4)	O(46)-Gd(7)-O(19)	138.6(4)
O(19)-Gd(1)-N(3)	135.7(4)	O(18)-Gd(7)-O(15)	115.7(4)
O(22)-Gd(1)-N(3)	71.7(3)	O(46)-Gd(7)-O(15)	60.0(4)
N(1)-Gd(1)-N(3)	63.3(4)	O(19)-Gd(7)-O(15)	151.6(3)
O(18)-Gd(1)-O(20)	122.7(3)	O(18)-Gd(7)-O(13)	68.0(4)
O(2)-Gd(1)-O(20)	116.8(3)	O(46)-Gd(7)-O(13)	129.6(4)
O(4)-Gd(1)-O(20)	123.9(3)	O(19)-Gd(7)-O(13)	77.8(4)
O(17)-Gd(1)-O(20)	70.2(3)	O(15)-Gd(7)-O(13)	75.0(4)
O(19)-Gd(1)-O(20)	69.1(3)	O(18)-Gd(7)-O(17)	72.8(3)
O(22)-Gd(1)-O(20)	49.6(3)	O(46)-Gd(7)-O(17)	89.2(3)
N(1)-Gd(1)-O(20)	108.5(3)	O(19)-Gd(7)-O(17)	76.5(3)
N(3)-Gd(1)-O(20)	66.7(3)	O(15)-Gd(7)-O(17)	130.9(3)
O(18)-Gd(1)-N(19)	135.9(3)	O(13)-Gd(7)-O(17)	140.2(4)
O(2)-Gd(1)-N(19)	98.2(3)	O(18)-Gd(7)-O(14)	131.0(3)
O(4)-Gd(1)-N(19)	136.5(3)	O(46)-Gd(7)-O(14)	76.9(3)
O(17)-Gd(1)-N(19)	94.9(4)	O(19)-Gd(7)-O(14)	89.5(3)
O(19)-Gd(1)-N(19)	76.1(3)	O(15)-Gd(7)-O(14)	73.3(4)
O(22)-Gd(1)-N(19)	24.9(3)	O(13)-Gd(7)-O(14)	68.8(4)
N(1)-Gd(1)-N(19)	87.3(4)	O(17)-Gd(7)-O(14)	140.1(4)
N(3)-Gd(1)-N(19)	65.5(3)	O(18)-Gd(7)-O(16)	74.8(3)
O(20)-Gd(1)-N(19)	24.8(3)	O(46)-Gd(7)-O(16)	77.6(4)

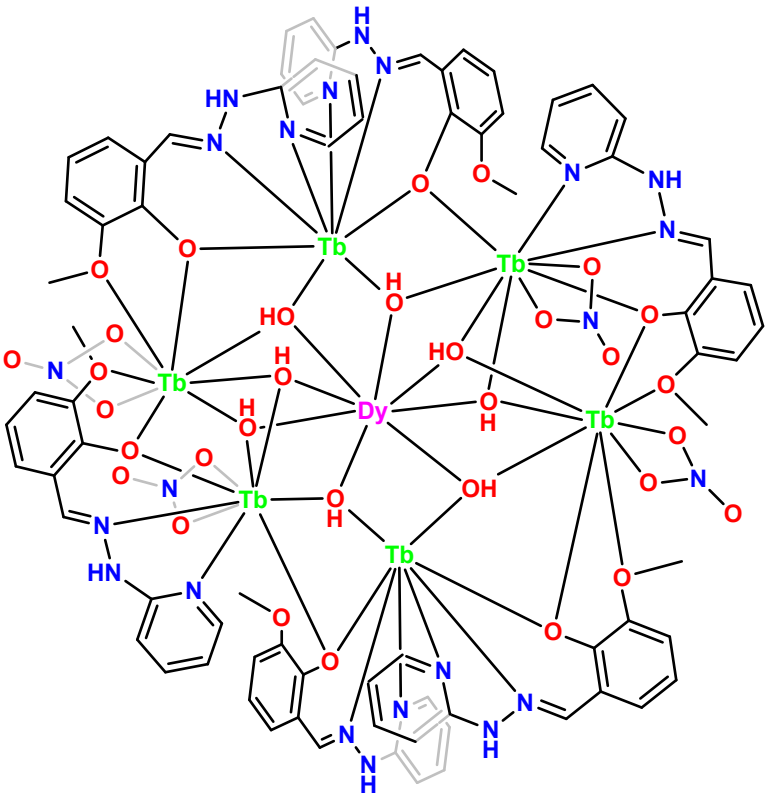
O(18)-Gd(1)-Gd(2)	41.0(2)	O(19)-Gd(7)-O(16)	128.4(3)
O(2)-Gd(1)-Gd(2)	41.4(2)	O(15)-Gd(7)-O(16)	68.9(4)
O(4)-Gd(1)-Gd(2)	118.4(2)	O(13)-Gd(7)-O(16)	107.8(4)
O(17)-Gd(1)-Gd(2)	101.7(3)	O(17)-Gd(7)-O(16)	67.5(4)
O(19)-Gd(1)-Gd(2)	39.8(2)	O(14)-Gd(7)-O(16)	141.4(4)
O(22)-Gd(1)-Gd(2)	96.6(2)	O(18)-Gd(7)-O(35)	120.7(4)
N(1)-Gd(1)-Gd(2)	112.3(3)	O(46)-Gd(7)-O(35)	70.3(4)
N(3)-Gd(1)-Gd(2)	168.3(2)	O(19)-Gd(7)-O(35)	68.3(4)
O(20)-Gd(1)-Gd(2)	106.5(2)	O(15)-Gd(7)-O(35)	123.5(4)
N(19)-Gd(1)-Gd(2)	104.2(2)	O(13)-Gd(7)-O(35)	126.5(4)
O(18)-Gd(1)-Gd(7)	41.0(3)	O(17)-Gd(7)-O(35)	69.3(4)
O(2)-Gd(1)-Gd(7)	100.5(2)	O(14)-Gd(7)-O(35)	70.8(4)
O(4)-Gd(1)-Gd(7)	91.5(2)	O(16)-Gd(7)-O(35)	125.6(4)
O(17)-Gd(1)-Gd(7)	42.6(2)	O(18)-Gd(7)-Gd(2)	41.9(2)
O(19)-Gd(1)-Gd(7)	42.4(2)	O(46)-Gd(7)-Gd(2)	166.4(2)
O(22)-Gd(1)-Gd(7)	120.5(2)	O(19)-Gd(7)-Gd(2)	40.5(2)
N(1)-Gd(1)-Gd(7)	167.2(3)	O(15)-Gd(7)-Gd(2)	115.3(3)
N(3)-Gd(1)-Gd(7)	127.0(2)	O(13)-Gd(7)-Gd(2)	41.3(3)
O(20)-Gd(1)-Gd(7)	83.8(2)	O(17)-Gd(7)-Gd(2)	102.0(2)
N(19)-Gd(1)-Gd(7)	103.7(2)	O(14)-Gd(7)-Gd(2)	89.5(2)
Gd(2)-Gd(1)-Gd(7)	59.15(2)	O(16)-Gd(7)-Gd(2)	113.5(3)
O(19)-Gd(2)-O(13)	82.0(4)	O(35)-Gd(7)-Gd(2)	106.4(3)
O(19)-Gd(2)-O(11)	91.7(3)	O(18)-Gd(7)-Gd(5)	115.2(2)
O(13)-Gd(2)-O(11)	69.8(3)	O(46)-Gd(7)-Gd(5)	40.7(3)
O(19)-Gd(2)-O(18)	61.4(4)	O(19)-Gd(7)-Gd(5)	166.1(2)
O(13)-Gd(2)-O(18)	69.7(3)	O(15)-Gd(7)-Gd(5)	41.7(3)
O(11)-Gd(2)-O(18)	133.8(3)	O(13)-Gd(7)-Gd(5)	113.2(3)
O(19)-Gd(2)-O(2)	75.9(3)	O(17)-Gd(7)-Gd(5)	89.7(2)
O(13)-Gd(2)-O(2)	140.8(3)	O(14)-Gd(7)-Gd(5)	102.3(3)
O(11)-Gd(2)-O(2)	141.7(3)	O(16)-Gd(7)-Gd(5)	41.7(3)
O(18)-Gd(2)-O(2)	71.3(3)	O(35)-Gd(7)-Gd(5)	108.4(3)
O(19)-Gd(2)-O(27)	136.3(3)	Gd(2)-Gd(7)-Gd(5)	145.13(4)
O(13)-Gd(2)-O(27)	86.2(4)	O(18)-Gd(7)-Gd(4)	151.5(3)
O(11)-Gd(2)-O(27)	123.0(3)	O(46)-Gd(7)-Gd(4)	43.5(2)
O(18)-Gd(2)-O(27)	75.0(4)	O(19)-Gd(7)-Gd(4)	130.9(2)
O(2)-Gd(2)-O(27)	88.0(3)	O(15)-Gd(7)-Gd(4)	40.3(3)
O(19)-Gd(2)-O(1)	128.3(3)	O(13)-Gd(7)-Gd(4)	87.4(3)
O(13)-Gd(2)-O(1)	148.8(4)	O(17)-Gd(7)-Gd(4)	132.3(2)

O(11)-Gd(2)-O(1)	98.7(3)	O(14)-Gd(7)-Gd(4)	42.0(3)
O(18)-Gd(2)-O(1)	127.6(3)	O(16)-Gd(7)-Gd(4)	100.7(3)
O(2)-Gd(2)-O(1)	64.9(3)	O(35)-Gd(7)-Gd(4)	85.2(3)
O(27)-Gd(2)-O(1)	76.0(3)	Gd(2)-Gd(7)-Gd(4)	124.02(3)
O(19)-Gd(2)-O(26)	158.1(3)	Gd(5)-Gd(7)-Gd(4)	60.36(3)
O(13)-Gd(2)-O(26)	78.4(4)	O(15)-Gd(4)-O(10)	77.5(4)
O(11)-Gd(2)-O(26)	72.5(3)	O(15)-Gd(4)-O(8)	72.0(4)
O(18)-Gd(2)-O(26)	119.2(4)	O(10)-Gd(4)-O(8)	116.4(4)
O(2)-Gd(2)-O(26)	125.9(3)	O(15)-Gd(4)-O(14)	76.1(4)
O(27)-Gd(2)-O(26)	51.9(3)	O(10)-Gd(4)-O(14)	70.4(4)
O(1)-Gd(2)-O(26)	70.5(3)	O(8)-Gd(4)-O(14)	144.4(4)
O(19)-Gd(2)-O(12)	71.3(3)	O(15)-Gd(4)-O(46)	60.6(4)
O(13)-Gd(2)-O(12)	122.4(4)	O(10)-Gd(4)-O(46)	131.7(4)
O(11)-Gd(2)-O(12)	61.3(3)	O(8)-Gd(4)-O(46)	74.0(4)
O(18)-Gd(2)-O(12)	129.1(3)	O(14)-Gd(4)-O(46)	76.9(3)
O(2)-Gd(2)-O(12)	80.3(3)	O(15)-Gd(4)-O(24)	138.9(4)
O(27)-Gd(2)-O(12)	146.0(3)	O(10)-Gd(4)-O(24)	142.4(4)
O(1)-Gd(2)-O(12)	70.1(3)	O(8)-Gd(4)-O(24)	77.9(5)
O(26)-Gd(2)-O(12)	111.7(3)	O(14)-Gd(4)-O(24)	119.3(5)
O(19)-Gd(2)-N(22)	158.5(4)	O(46)-Gd(4)-O(24)	84.7(4)
O(13)-Gd(2)-N(22)	83.4(4)	O(15)-Gd(4)-N(10)	123.3(5)
O(11)-Gd(2)-N(22)	97.9(4)	O(10)-Gd(4)-N(10)	80.3(4)
O(18)-Gd(2)-N(22)	98.7(4)	O(8)-Gd(4)-N(10)	72.8(5)
O(2)-Gd(2)-N(22)	106.8(4)	O(14)-Gd(4)-N(10)	140.4(4)
O(27)-Gd(2)-N(22)	26.4(4)	O(46)-Gd(4)-N(10)	142.0(4)
O(1)-Gd(2)-N(22)	69.3(3)	O(24)-Gd(4)-N(10)	70.9(5)
O(26)-Gd(2)-N(22)	25.7(3)	O(15)-Gd(4)-O(23)	124.4(4)
O(12)-Gd(2)-N(22)	130.1(3)	O(10)-Gd(4)-O(23)	126.9(4)
O(19)-Gd(2)-Gd(7)	43.0(2)	O(8)-Gd(4)-O(23)	116.4(4)
O(13)-Gd(2)-Gd(7)	43.3(3)	O(14)-Gd(4)-O(23)	70.3(4)
O(11)-Gd(2)-Gd(7)	92.2(2)	O(46)-Gd(4)-O(23)	69.4(4)
O(18)-Gd(2)-Gd(7)	42.1(2)	O(24)-Gd(4)-O(23)	49.2(5)
O(2)-Gd(2)-Gd(7)	101.7(2)	N(10)-Gd(4)-O(23)	110.7(5)
O(27)-Gd(2)-Gd(7)	104.5(2)	O(15)-Gd(4)-N(12)	148.9(3)
O(1)-Gd(2)-Gd(7)	166.6(2)	O(10)-Gd(4)-N(12)	74.2(3)
O(26)-Gd(2)-Gd(7)	120.7(2)	O(8)-Gd(4)-N(12)	133.0(4)
O(12)-Gd(2)-Gd(7)	109.1(2)	O(14)-Gd(4)-N(12)	82.5(3)
N(22)-Gd(2)-Gd(7)	117.0(3)	O(46)-Gd(4)-N(12)	135.4(4)

O(19)-Gd(2)-Gd(1)	43.0(2)	O(24)-Gd(4)-N(12)	71.7(4)
O(13)-Gd(2)-Gd(1)	102.1(3)	N(10)-Gd(4)-N(12)	64.0(4)
O(11)-Gd(2)-Gd(1)	134.3(2)	O(23)-Gd(4)-N(12)	66.5(4)
O(18)-Gd(2)-Gd(1)	40.2(3)	O(15)-Gd(4)-N(20)	139.4(5)
O(2)-Gd(2)-Gd(1)	41.3(2)	O(10)-Gd(4)-N(20)	137.6(5)
O(27)-Gd(2)-Gd(1)	100.2(2)	O(8)-Gd(4)-N(20)	98.5(5)
O(1)-Gd(2)-Gd(1)	106.1(2)	O(14)-Gd(4)-N(20)	95.5(5)
O(26)-Gd(2)-Gd(1)	152.1(2)	O(46)-Gd(4)-N(20)	78.9(4)
O(12)-Gd(2)-Gd(1)	91.8(2)	O(24)-Gd(4)-N(20)	23.9(4)
N(22)-Gd(2)-Gd(1)	126.5(3)	N(10)-Gd(4)-N(20)	88.5(5)
Gd(7)-Gd(2)-Gd(1)	60.57(3)	O(23)-Gd(4)-N(20)	25.6(5)
O(13)-Gd(3)-O(14)	72.6(4)	N(12)-Gd(4)-N(20)	64.2(4)
O(13)-Gd(3)-O(11)	70.0(3)	O(15)-Gd(4)-Gd(7)	42.4(3)
O(14)-Gd(3)-O(11)	100.4(4)	O(10)-Gd(4)-Gd(7)	90.6(2)
O(13)-Gd(3)-O(10)	96.0(4)	O(8)-Gd(4)-Gd(7)	101.3(3)
O(14)-Gd(3)-O(10)	71.3(4)	O(14)-Gd(4)-Gd(7)	43.2(3)
O(11)-Gd(3)-O(10)	165.7(3)	O(46)-Gd(4)-Gd(7)	42.3(2)
O(13)-Gd(3)-N(15)	131.7(5)	O(24)-Gd(4)-Gd(7)	121.9(4)
O(14)-Gd(3)-N(15)	81.9(4)	N(10)-Gd(4)-Gd(7)	165.1(4)
O(11)-Gd(3)-N(15)	75.4(4)	O(23)-Gd(4)-Gd(7)	84.2(3)
O(10)-Gd(3)-N(15)	113.9(4)	N(12)-Gd(4)-Gd(7)	125.0(2)
O(13)-Gd(3)-N(13)	164.4(4)	N(20)-Gd(4)-Gd(7)	106.1(4)
O(14)-Gd(3)-N(13)	106.0(4)	O(15)-Gd(4)-Gd(5)	40.8(3)
O(11)-Gd(3)-N(13)	124.9(3)	O(10)-Gd(4)-Gd(5)	115.3(3)
O(10)-Gd(3)-N(13)	69.3(4)	O(8)-Gd(4)-Gd(5)	41.9(3)
N(15)-Gd(3)-N(13)	62.0(5)	O(14)-Gd(4)-Gd(5)	102.6(3)
O(13)-Gd(3)-N(16)	89.2(4)	O(46)-Gd(4)-Gd(5)	40.3(3)
O(14)-Gd(3)-N(16)	140.9(4)	O(24)-Gd(4)-Gd(5)	98.5(3)
O(11)-Gd(3)-N(16)	105.5(4)	N(10)-Gd(4)-Gd(5)	113.9(4)
O(10)-Gd(3)-N(16)	76.7(4)	O(23)-Gd(4)-Gd(5)	107.0(3)
N(15)-Gd(3)-N(16)	132.8(4)	N(12)-Gd(4)-Gd(5)	170.2(2)
N(13)-Gd(3)-N(16)	82.5(5)	N(20)-Gd(4)-Gd(5)	106.6(4)
O(13)-Gd(3)-N(18)	117.6(4)	Gd(7)-Gd(4)-Gd(5)	59.48(2)
O(14)-Gd(3)-N(18)	158.0(4)	O(5)-Gd(5)-O(46)	89.3(4)
O(11)-Gd(3)-N(18)	68.2(3)	O(5)-Gd(5)-O(16)	68.6(3)
O(10)-Gd(3)-N(18)	123.4(4)	O(46)-Gd(5)-O(16)	81.2(4)
N(15)-Gd(3)-N(18)	77.1(4)	O(5)-Gd(5)-O(15)	133.7(4)
N(13)-Gd(3)-N(18)	69.5(4)	O(46)-Gd(5)-O(15)	62.1(4)

N(16)-Gd(3)-N(18)	61.0(4)	O(16)-Gd(5)-O(15)	71.5(4)
O(13)-Gd(3)-Gd(2)	34.9(3)	O(5)-Gd(5)-O(8)	140.1(4)
O(14)-Gd(3)-Gd(2)	84.1(3)	O(46)-Gd(5)-O(8)	76.0(4)
O(11)-Gd(3)-Gd(2)	35.3(2)	O(16)-Gd(5)-O(8)	141.7(4)
O(10)-Gd(3)-Gd(2)	130.6(2)	O(15)-Gd(5)-O(8)	70.8(4)
N(15)-Gd(3)-Gd(2)	103.7(3)	O(5)-Gd(5)-O(29)	120.8(5)
N(13)-Gd(3)-Gd(2)	160.1(3)	O(46)-Gd(5)-O(29)	136.8(5)
N(16)-Gd(3)-Gd(2)	100.6(3)	O(16)-Gd(5)-O(29)	82.4(5)
N(18)-Gd(3)-Gd(2)	94.6(3)	O(15)-Gd(5)-O(29)	74.9(5)
O(13)-Gd(3)-Gd(4)	82.3(2)	O(8)-Gd(5)-O(29)	93.6(5)
O(14)-Gd(3)-Gd(4)	35.9(3)	O(5)-Gd(5)-O(30)	71.6(5)
O(11)-Gd(3)-Gd(4)	135.0(2)	O(46)-Gd(5)-O(30)	155.6(4)
O(10)-Gd(3)-Gd(4)	35.5(3)	O(16)-Gd(5)-O(30)	77.9(5)
N(15)-Gd(3)-Gd(4)	100.3(3)	O(15)-Gd(5)-O(30)	121.3(5)
N(13)-Gd(3)-Gd(4)	88.0(3)	O(8)-Gd(5)-O(30)	128.4(5)
N(16)-Gd(3)-Gd(4)	109.0(3)	O(29)-Gd(5)-O(30)	52.0(5)
N(18)-Gd(3)-Gd(4)	155.9(3)	O(5)-Gd(5)-O(7)	99.3(4)
Gd(2)-Gd(3)-Gd(4)	109.16(2)	O(46)-Gd(5)-O(7)	127.1(4)
O(13)-Gd(3)-Gd(7)	36.0(3)	O(16)-Gd(5)-O(7)	150.2(4)
O(14)-Gd(3)-Gd(7)	36.6(3)	O(15)-Gd(5)-O(7)	126.9(5)
O(11)-Gd(3)-Gd(7)	83.6(2)	O(8)-Gd(5)-O(7)	64.3(5)
O(10)-Gd(3)-Gd(7)	83.1(2)	O(29)-Gd(5)-O(7)	81.1(5)
N(15)-Gd(3)-Gd(7)	108.7(3)	O(30)-Gd(5)-O(7)	72.4(5)
N(13)-Gd(3)-Gd(7)	140.8(3)	O(5)-Gd(5)-O(6)	62.1(3)
N(16)-Gd(3)-Gd(7)	118.4(3)	O(46)-Gd(5)-O(6)	70.6(3)
N(18)-Gd(3)-Gd(7)	149.0(3)	O(16)-Gd(5)-O(6)	122.4(4)
Gd(2)-Gd(3)-Gd(7)	54.41(2)	O(15)-Gd(5)-O(6)	127.9(4)
Gd(4)-Gd(3)-Gd(7)	54.82(2)	O(8)-Gd(5)-O(6)	78.0(4)
O(16)-Gd(6)-O(17)	72.1(4)	O(29)-Gd(5)-O(6)	148.9(4)
O(16)-Gd(6)-O(5)	69.3(4)	O(30)-Gd(5)-O(6)	110.9(5)
O(17)-Gd(6)-O(5)	99.8(3)	O(7)-Gd(5)-O(6)	68.2(4)
O(16)-Gd(6)-O(4)	97.5(3)	O(5)-Gd(5)-N(21)	96.4(6)
O(17)-Gd(6)-O(4)	70.9(3)	O(46)-Gd(5)-N(21)	155.3(5)
O(5)-Gd(6)-O(4)	166.1(3)	O(16)-Gd(5)-N(21)	78.6(5)
O(16)-Gd(6)-N(6)	128.7(4)	O(15)-Gd(5)-N(21)	97.8(6)
O(17)-Gd(6)-N(6)	80.6(4)	O(8)-Gd(5)-N(21)	112.5(6)
O(5)-Gd(6)-N(6)	73.8(4)	O(29)-Gd(5)-N(21)	25.7(6)
O(4)-Gd(6)-N(6)	113.6(3)	O(30)-Gd(5)-N(21)	26.3(5)

O(16)-Gd(6)-N(7)	87.8(4)	O(7)-Gd(5)-N(21)	75.8(5)
O(17)-Gd(6)-N(7)	136.4(4)	O(6)-Gd(5)-N(21)	133.0(5)
O(5)-Gd(6)-N(7)	108.8(4)	O(5)-Gd(5)-Gd(7)	91.1(2)
O(4)-Gd(6)-N(7)	74.0(3)	O(46)-Gd(5)-Gd(7)	42.4(3)
N(6)-Gd(6)-N(7)	138.3(4)	O(16)-Gd(5)-Gd(7)	43.7(3)
O(16)-Gd(6)-N(4)	165.8(4)	O(15)-Gd(5)-Gd(7)	43.0(3)
O(17)-Gd(6)-N(4)	105.8(4)	O(8)-Gd(5)-Gd(7)	101.4(3)
O(5)-Gd(6)-N(4)	124.6(3)	O(29)-Gd(5)-Gd(7)	102.2(4)
O(4)-Gd(6)-N(4)	68.9(3)	O(30)-Gd(5)-Gd(7)	120.8(4)
N(6)-Gd(6)-N(4)	63.4(4)	O(7)-Gd(5)-Gd(7)	165.6(3)
N(7)-Gd(6)-N(4)	84.4(4)	O(6)-Gd(5)-Gd(7)	108.8(2)
O(16)-Gd(6)-N(9)	114.0(4)	N(21)-Gd(5)-Gd(7)	113.2(4)
O(17)-Gd(6)-N(9)	162.2(4)	O(5)-Gd(5)-Gd(4)	132.1(3)
O(5)-Gd(6)-N(9)	68.8(3)	O(46)-Gd(5)-Gd(4)	43.2(3)
O(4)-Gd(6)-N(9)	122.6(3)	O(16)-Gd(5)-Gd(4)	102.5(3)
N(6)-Gd(6)-N(9)	83.0(4)	O(15)-Gd(5)-Gd(4)	39.9(3)
N(7)-Gd(6)-N(9)	61.4(4)	O(8)-Gd(5)-Gd(4)	41.3(3)
N(4)-Gd(6)-N(9)	72.4(3)	O(29)-Gd(5)-Gd(4)	103.3(4)
O(16)-Gd(6)-Gd(5)	35.0(3)	O(30)-Gd(5)-Gd(4)	155.3(4)
O(17)-Gd(6)-Gd(5)	84.3(2)	O(7)-Gd(5)-Gd(4)	105.5(3)
O(5)-Gd(6)-Gd(5)	34.4(2)	O(6)-Gd(5)-Gd(4)	90.0(2)
O(4)-Gd(6)-Gd(5)	132.2(2)	N(21)-Gd(5)-Gd(4)	129.0(5)
N(6)-Gd(6)-Gd(5)	101.2(3)	Gd(7)-Gd(5)-Gd(4)	60.16(3)



Complex 2

Table S6. Bond lengths (Å) found in **2**

Tb(1)-O(18)	2.343(8)	Tb(4)-N(12)	2.497(13)
Tb(1)-O(2)	2.350(7)	Tb(4)-N(15)	2.502(11)
Tb(1)-O(17)	2.358(8)	Tb(4)-N(13)	2.546(10)
Tb(1)-O(3)	2.360(7)	Tb(4)-N(10)	2.564(10)
Tb(1)-N(6)	2.523(10)	Tb(4)-Tb(5)	3.8523(14)
Tb(1)-N(1)	2.544(10)	Tb(4)-Tb(7)	3.8720(11)
Tb(1)-N(4)	2.547(9)	Tb(5)-O(11)	2.360(8)
Tb(1)-N(3)	2.549(11)	Tb(5)-O(20)	2.381(9)
Tb(1)-Tb(6)	3.8510(11)	Tb(5)-O(13)	2.382(7)
Tb(1)-Tb(7)	3.8724(11)	Tb(5)-O(9)	2.434(9)
Tb(1)-Tb(2)	3.8952(12)	Tb(5)-O(19)	2.457(8)
Tb(2)-O(16)	2.349(9)	Tb(5)-O(22)	2.481(9)
Tb(2)-O(17)	2.406(8)	Tb(5)-N(18)	2.555(11)
Tb(2)-O(5)	2.408(9)	Tb(5)-N(16)	2.557(10)
Tb(2)-O(3)	2.415(8)	Tb(5)-O(21)	2.571(9)
Tb(2)-O(15)	2.469(8)	Tb(5)-N(21)	2.957(12)
Tb(2)-O(27)	2.485(9)	Tb(5)-Tb(7)	3.5627(10)

Tb(2)-O(28)	2.545(10)	Tb(5)-Tb(6)	3.5797(11)
Tb(2)-N(7)	2.571(10)	Tb(6)-O(19)	2.314(9)
Tb(2)-N(9)	2.593(12)	Tb(6)-O(2)	2.358(8)
Tb(2)-N(22)	2.936(12)	Tb(6)-O(18)	2.384(8)
Tb(2)-Tb(7)	3.5962(11)	Tb(6)-O(11)	2.387(8)
Tb(2)-Tb(3)	3.6035(11)	Tb(6)-O(20)	2.403(9)
Tb(3)-O(15)	2.319(10)	Tb(6)-O(30)	2.454(11)
Tb(3)-O(8)	2.341(8)	Tb(6)-O(31)	2.491(10)
Tb(3)-O(5)	2.365(8)	Tb(6)-O(12)	2.492(9)
Tb(3)-O(14)	2.376(7)	Tb(6)-O(1)	2.575(10)
Tb(3)-O(16)	2.418(7)	Tb(6)-N(20)	2.887(14)
Tb(3)-O(24)	2.451(11)	Tb(6)-Tb(7)	3.5069(12)
Tb(3)-O(6)	2.477(8)	Tb(7)-O(20)	2.356(9)
Tb(3)-O(25)	2.523(10)	Tb(7)-O(14)	2.389(9)
Tb(3)-O(7)	2.624(8)	Tb(7)-O(16)	2.389(8)
Tb(3)-N(19)	2.892(14)	Tb(7)-O(15)	2.407(10)
Tb(3)-Tb(7)	3.5129(13)	Tb(7)-O(19)	2.416(8)
Tb(4)-O(14)	2.316(8)	Tb(7)-O(18)	2.418(9)
Tb(4)-O(13)	2.324(9)	Tb(7)-O(13)	2.440(8)
Tb(4)-O(8)	2.344(8)	Tb(7)-O(17)	2.465(8)
Tb(4)-O(9)	2.346(7)		

Table S7. Bond angles (°) found in **2**

O(18)-Tb(1)-O(2)	70.7(3)	N(15)-Tb(4)-Tb(3)	102.6(2)
O(18)-Tb(1)-O(17)	73.8(3)	N(13)-Tb(4)-Tb(3)	159.7(2)
O(2)-Tb(1)-O(17)	99.4(3)	N(10)-Tb(4)-Tb(3)	93.5(2)
O(18)-Tb(1)-O(3)	96.2(3)	O(14)-Tb(4)-Tb(5)	83.3(2)
O(2)-Tb(1)-O(3)	166.0(3)	O(13)-Tb(4)-Tb(5)	35.55(19)
O(17)-Tb(1)-O(3)	71.4(3)	O(8)-Tb(4)-Tb(5)	133.52(19)
O(18)-Tb(1)-N(6)	131.6(3)	O(9)-Tb(4)-Tb(5)	37.1(2)
O(2)-Tb(1)-N(6)	73.4(3)	N(12)-Tb(4)-Tb(5)	109.8(3)
O(17)-Tb(1)-N(6)	81.4(3)	N(15)-Tb(4)-Tb(5)	99.8(2)
O(3)-Tb(1)-N(6)	114.3(3)	N(13)-Tb(4)-Tb(5)	88.4(2)
O(18)-Tb(1)-N(1)	112.7(3)	N(10)-Tb(4)-Tb(5)	157.0(2)
O(2)-Tb(1)-N(1)	68.0(3)	Tb(3)-Tb(4)-Tb(5)	109.146(19)
O(17)-Tb(1)-N(1)	161.2(3)	O(14)-Tb(4)-Tb(7)	35.2(2)
O(3)-Tb(1)-N(1)	123.4(3)	O(13)-Tb(4)-Tb(7)	36.7(2)
N(6)-Tb(1)-N(1)	81.6(3)	O(8)-Tb(4)-Tb(7)	83.96(19)
O(18)-Tb(1)-N(4)	165.0(3)	O(9)-Tb(4)-Tb(7)	81.86(19)
O(2)-Tb(1)-N(4)	123.0(3)	N(12)-Tb(4)-Tb(7)	111.6(3)
O(17)-Tb(1)-N(4)	107.2(3)	N(15)-Tb(4)-Tb(7)	111.5(3)
O(3)-Tb(1)-N(4)	70.6(3)	N(13)-Tb(4)-Tb(7)	142.5(2)
N(6)-Tb(1)-N(4)	62.5(3)	N(10)-Tb(4)-Tb(7)	147.2(2)
N(1)-Tb(1)-N(4)	71.4(3)	Tb(3)-Tb(4)-Tb(7)	54.255(19)
O(18)-Tb(1)-N(3)	83.0(3)	Tb(5)-Tb(4)-Tb(7)	54.93(2)
O(2)-Tb(1)-N(3)	107.7(3)	O(11)-Tb(5)-O(20)	70.3(3)
O(17)-Tb(1)-N(3)	135.8(3)	O(11)-Tb(5)-O(13)	142.4(3)
O(3)-Tb(1)-N(3)	74.5(3)	O(20)-Tb(5)-O(13)	74.9(3)
N(6)-Tb(1)-N(3)	139.3(4)	O(11)-Tb(5)-O(9)	112.2(3)
N(1)-Tb(1)-N(3)	62.9(3)	O(20)-Tb(5)-O(9)	74.0(3)
N(4)-Tb(1)-N(3)	86.5(3)	O(13)-Tb(5)-O(9)	70.0(3)
O(18)-Tb(1)-Tb(6)	35.8(2)	O(11)-Tb(5)-O(19)	74.9(3)
O(2)-Tb(1)-Tb(6)	35.18(19)	O(20)-Tb(5)-O(19)	60.9(3)
O(17)-Tb(1)-Tb(6)	83.13(19)	O(13)-Tb(5)-O(19)	76.1(3)
O(3)-Tb(1)-Tb(6)	131.24(18)	O(9)-Tb(5)-O(19)	129.0(3)
N(6)-Tb(1)-Tb(6)	101.4(2)	O(11)-Tb(5)-O(22)	77.0(3)
N(1)-Tb(1)-Tb(6)	92.6(2)	O(20)-Tb(5)-O(22)	138.6(3)
N(4)-Tb(1)-Tb(6)	158.2(2)	O(13)-Tb(5)-O(22)	124.6(3)
N(3)-Tb(1)-Tb(6)	99.5(2)	O(9)-Tb(5)-O(22)	144.0(3)
O(18)-Tb(1)-Tb(7)	36.2(2)	O(19)-Tb(5)-O(22)	86.9(3)
O(2)-Tb(1)-Tb(7)	83.83(19)	O(11)-Tb(5)-N(18)	132.8(3)

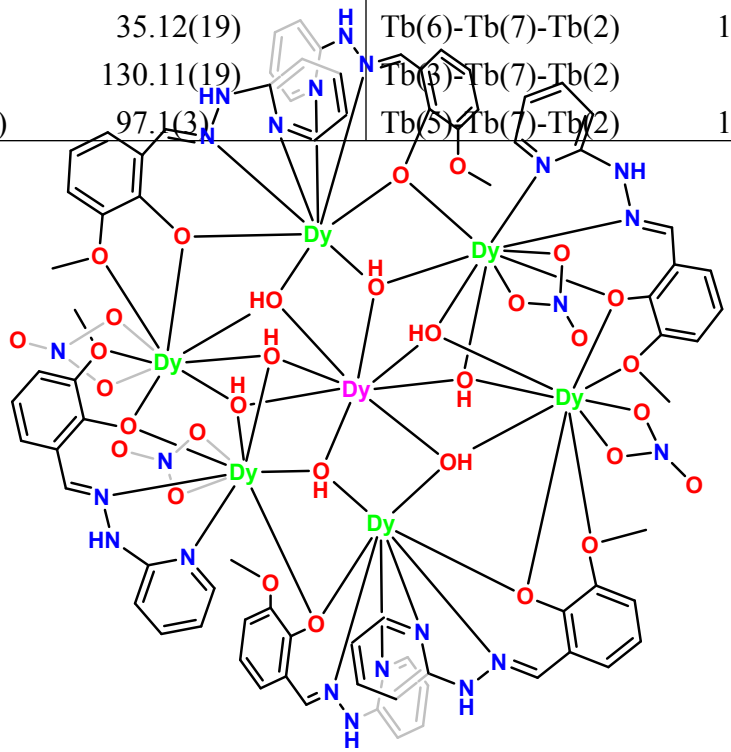
O(17)-Tb(1)-Tb(7)	37.5(2)	O(20)-Tb(5)-N(18)	147.8(3)
O(3)-Tb(1)-Tb(7)	82.57(18)	O(13)-Tb(5)-N(18)	84.7(3)
N(6)-Tb(1)-Tb(7)	109.3(2)	O(9)-Tb(5)-N(18)	75.8(3)
N(1)-Tb(1)-Tb(7)	145.8(2)	O(19)-Tb(5)-N(18)	137.7(3)
N(4)-Tb(1)-Tb(7)	142.6(2)	O(22)-Tb(5)-N(18)	73.5(3)
N(3)-Tb(1)-Tb(7)	111.3(3)	O(11)-Tb(5)-N(16)	72.5(3)
Tb(6)-Tb(1)-Tb(7)	54.007(17)	O(20)-Tb(5)-N(16)	119.4(3)
O(18)-Tb(1)-Tb(2)	83.7(2)	O(13)-Tb(5)-N(16)	139.7(3)
O(2)-Tb(1)-Tb(2)	134.11(19)	O(9)-Tb(5)-N(16)	78.1(3)
O(17)-Tb(1)-Tb(2)	35.6(2)	O(19)-Tb(5)-N(16)	144.1(3)
O(3)-Tb(1)-Tb(2)	35.80(19)	O(22)-Tb(5)-N(16)	71.6(3)
N(6)-Tb(1)-Tb(2)	99.4(2)	N(18)-Tb(5)-N(16)	63.6(3)
N(1)-Tb(1)-Tb(2)	157.4(2)	O(11)-Tb(5)-O(21)	116.0(3)
N(4)-Tb(1)-Tb(2)	88.9(2)	O(20)-Tb(5)-O(21)	126.3(3)
N(3)-Tb(1)-Tb(2)	106.1(2)	O(13)-Tb(5)-O(21)	74.5(3)
Tb(6)-Tb(1)-Tb(2)	109.151(19)	O(9)-Tb(5)-O(21)	131.6(3)
Tb(7)-Tb(1)-Tb(2)	55.16(2)	O(19)-Tb(5)-O(21)	69.6(3)
O(16)-Tb(2)-O(17)	75.7(3)	O(22)-Tb(5)-O(21)	50.2(3)
O(16)-Tb(2)-O(5)	70.3(3)	N(18)-Tb(5)-O(21)	69.1(3)
O(17)-Tb(2)-O(5)	141.7(3)	N(16)-Tb(5)-O(21)	112.5(3)
O(16)-Tb(2)-O(3)	76.4(3)	O(11)-Tb(5)-N(21)	97.6(4)
O(17)-Tb(2)-O(3)	69.6(3)	O(20)-Tb(5)-N(21)	139.9(3)
O(5)-Tb(2)-O(3)	117.4(3)	O(13)-Tb(5)-N(21)	100.0(3)
O(16)-Tb(2)-O(15)	60.4(3)	O(9)-Tb(5)-N(21)	142.7(3)
O(17)-Tb(2)-O(15)	74.7(3)	O(19)-Tb(5)-N(21)	79.2(3)
O(5)-Tb(2)-O(15)	73.4(3)	O(22)-Tb(5)-N(21)	24.6(3)
O(3)-Tb(2)-O(15)	129.2(3)	N(18)-Tb(5)-N(21)	67.4(3)
O(16)-Tb(2)-O(27)	138.9(3)	N(16)-Tb(5)-N(21)	90.5(3)
O(17)-Tb(2)-O(27)	122.6(3)	O(21)-Tb(5)-N(21)	25.7(3)
O(5)-Tb(2)-O(27)	76.6(3)	O(11)-Tb(5)-Tb(7)	99.66(19)
O(3)-Tb(2)-O(27)	142.4(3)	O(20)-Tb(5)-Tb(7)	41.0(2)
O(15)-Tb(2)-O(27)	87.5(3)	O(13)-Tb(5)-Tb(7)	43.0(2)
O(16)-Tb(2)-O(28)	126.7(3)	O(9)-Tb(5)-Tb(7)	87.72(17)
O(17)-Tb(2)-O(28)	72.0(3)	O(19)-Tb(5)-Tb(7)	42.57(19)
O(5)-Tb(2)-O(28)	115.6(3)	O(22)-Tb(5)-Tb(7)	126.2(2)
O(3)-Tb(2)-O(28)	126.8(3)	N(18)-Tb(5)-Tb(7)	127.5(2)
O(15)-Tb(2)-O(28)	70.7(3)	N(16)-Tb(5)-Tb(7)	159.3(3)
O(27)-Tb(2)-O(28)	50.6(3)	O(21)-Tb(5)-Tb(7)	88.2(2)

O(16)-Tb(2)-N(7)	120.6(3)	N(21)-Tb(5)-Tb(7)	109.7(2)
O(17)-Tb(2)-N(7)	143.9(3)	O(11)-Tb(5)-Tb(6)	41.34(19)
O(5)-Tb(2)-N(7)	71.6(3)	O(20)-Tb(5)-Tb(6)	41.8(2)
O(3)-Tb(2)-N(7)	82.7(3)	O(13)-Tb(5)-Tb(6)	101.8(2)
O(15)-Tb(2)-N(7)	141.1(3)	O(9)-Tb(5)-Tb(6)	112.98(18)
O(27)-Tb(2)-N(7)	68.4(3)	O(19)-Tb(5)-Tb(6)	39.9(2)
O(28)-Tb(2)-N(7)	110.4(3)	O(22)-Tb(5)-Tb(6)	96.9(2)
O(16)-Tb(2)-N(9)	149.0(3)	N(18)-Tb(5)-Tb(6)	170.3(2)
O(17)-Tb(2)-N(9)	86.1(3)	N(16)-Tb(5)-Tb(6)	113.1(2)
O(5)-Tb(2)-N(9)	132.2(3)	O(21)-Tb(5)-Tb(6)	105.6(2)
O(3)-Tb(2)-N(9)	73.8(3)	N(21)-Tb(5)-Tb(6)	104.2(2)
O(15)-Tb(2)-N(9)	138.3(4)	Tb(7)-Tb(5)-Tb(6)	58.81(2)
O(27)-Tb(2)-N(9)	72.1(3)	O(19)-Tb(6)-O(2)	89.4(3)
O(28)-Tb(2)-N(9)	68.2(4)	O(19)-Tb(6)-O(18)	81.4(3)
N(7)-Tb(2)-N(9)	63.7(4)	O(2)-Tb(6)-O(18)	69.9(3)
O(16)-Tb(2)-N(22)	140.3(3)	O(19)-Tb(6)-O(11)	77.1(3)
O(17)-Tb(2)-N(22)	97.5(3)	O(2)-Tb(6)-O(11)	142.3(3)
O(5)-Tb(2)-N(22)	97.3(3)	O(18)-Tb(6)-O(11)	139.7(3)
O(3)-Tb(2)-N(22)	138.6(3)	O(19)-Tb(6)-O(20)	62.6(3)
O(15)-Tb(2)-N(22)	80.0(3)	O(2)-Tb(6)-O(20)	134.1(3)
O(27)-Tb(2)-N(22)	25.0(3)	O(18)-Tb(6)-O(20)	70.4(3)
O(28)-Tb(2)-N(22)	25.7(3)	O(11)-Tb(6)-O(20)	69.5(3)
N(7)-Tb(2)-N(22)	88.0(3)	O(19)-Tb(6)-O(30)	137.9(4)
N(9)-Tb(2)-N(22)	66.0(3)	O(2)-Tb(6)-O(30)	119.4(3)
O(16)-Tb(2)-Tb(7)	41.04(19)	O(18)-Tb(6)-O(30)	81.1(3)
O(17)-Tb(2)-Tb(7)	43.1(2)	O(11)-Tb(6)-O(30)	92.6(3)
O(5)-Tb(2)-Tb(7)	98.67(19)	O(20)-Tb(6)-O(30)	75.5(4)
O(3)-Tb(2)-Tb(7)	88.14(17)	O(19)-Tb(6)-O(31)	154.2(3)
O(15)-Tb(2)-Tb(7)	41.8(2)	O(2)-Tb(6)-O(31)	70.3(3)
O(27)-Tb(2)-Tb(7)	126.0(2)	O(18)-Tb(6)-O(31)	76.8(3)
O(28)-Tb(2)-Tb(7)	88.1(2)	O(11)-Tb(6)-O(31)	128.7(3)
N(7)-Tb(2)-Tb(7)	161.4(3)	O(20)-Tb(6)-O(31)	120.9(4)
N(9)-Tb(2)-Tb(7)	129.0(3)	O(30)-Tb(6)-O(31)	51.4(4)
N(22)-Tb(2)-Tb(7)	109.3(2)	O(19)-Tb(6)-O(12)	131.2(3)
O(16)-Tb(2)-Tb(3)	41.63(18)	O(2)-Tb(6)-O(12)	102.2(3)
O(17)-Tb(2)-Tb(3)	101.4(2)	O(18)-Tb(6)-O(12)	147.2(3)
O(5)-Tb(2)-Tb(3)	40.53(19)	O(11)-Tb(6)-O(12)	64.9(3)
O(3)-Tb(2)-Tb(3)	115.92(19)	O(20)-Tb(6)-O(12)	123.7(3)

O(15)-Tb(2)-Tb(3)	39.6(2)	O(30)-Tb(6)-O(12)	75.5(4)
O(27)-Tb(2)-Tb(3)	97.3(2)	O(31)-Tb(6)-O(12)	70.6(4)
O(28)-Tb(2)-Tb(3)	106.5(2)	O(19)-Tb(6)-O(1)	75.5(3)
N(7)-Tb(2)-Tb(3)	111.6(3)	O(2)-Tb(6)-O(1)	62.4(3)
N(9)-Tb(2)-Tb(3)	169.3(2)	O(18)-Tb(6)-O(1)	126.5(3)
N(22)-Tb(2)-Tb(3)	105.0(2)	O(11)-Tb(6)-O(1)	80.1(3)
Tb(7)-Tb(2)-Tb(3)	58.41(2)	O(20)-Tb(6)-O(1)	132.2(3)
O(15)-Tb(3)-O(8)	90.5(3)	O(30)-Tb(6)-O(1)	143.6(4)
O(15)-Tb(3)-O(5)	77.0(3)	O(31)-Tb(6)-O(1)	106.9(4)
O(8)-Tb(3)-O(5)	141.2(3)	O(12)-Tb(6)-O(1)	69.1(3)
O(15)-Tb(3)-O(14)	80.5(3)	O(19)-Tb(6)-N(20)	156.8(4)
O(8)-Tb(3)-O(14)	69.8(3)	O(2)-Tb(6)-N(20)	95.2(4)
O(5)-Tb(3)-O(14)	140.8(3)	O(18)-Tb(6)-N(20)	78.8(4)
O(15)-Tb(3)-O(16)	61.6(3)	O(11)-Tb(6)-N(20)	111.1(4)
O(8)-Tb(3)-O(16)	135.1(3)	O(20)-Tb(6)-N(20)	99.0(4)
O(5)-Tb(3)-O(16)	69.9(3)	O(30)-Tb(6)-N(20)	25.8(4)
O(14)-Tb(3)-O(16)	71.3(3)	O(31)-Tb(6)-N(20)	25.7(4)
O(15)-Tb(3)-O(24)	136.3(3)	O(12)-Tb(6)-N(20)	70.0(4)
O(8)-Tb(3)-O(24)	120.8(3)	O(1)-Tb(6)-N(20)	126.6(4)
O(5)-Tb(3)-O(24)	91.6(3)	O(19)-Tb(6)-Tb(7)	43.3(2)
O(14)-Tb(3)-O(24)	83.1(3)	O(2)-Tb(6)-Tb(7)	92.44(18)
O(16)-Tb(3)-O(24)	74.8(3)	O(18)-Tb(6)-Tb(7)	43.5(2)
O(15)-Tb(3)-O(6)	131.8(3)	O(11)-Tb(6)-Tb(7)	100.63(18)
O(8)-Tb(3)-O(6)	99.3(3)	O(20)-Tb(6)-Tb(7)	42.0(2)
O(5)-Tb(3)-O(6)	65.9(3)	O(30)-Tb(6)-Tb(7)	101.4(3)
O(14)-Tb(3)-O(6)	147.1(3)	O(31)-Tb(6)-Tb(7)	119.5(3)
O(16)-Tb(3)-O(6)	125.6(3)	O(12)-Tb(6)-Tb(7)	164.7(2)
O(24)-Tb(3)-O(6)	76.3(3)	O(1)-Tb(6)-Tb(7)	115.0(2)
O(15)-Tb(3)-O(25)	155.0(3)	N(20)-Tb(6)-Tb(7)	113.6(3)
O(8)-Tb(3)-O(25)	71.8(3)	O(19)-Tb(6)-Tb(5)	42.91(19)
O(5)-Tb(3)-O(25)	127.8(3)	O(2)-Tb(6)-Tb(5)	131.7(2)
O(14)-Tb(3)-O(25)	77.0(3)	O(18)-Tb(6)-Tb(5)	102.6(2)
O(16)-Tb(3)-O(25)	119.4(3)	O(11)-Tb(6)-Tb(5)	40.77(18)
O(24)-Tb(3)-O(25)	50.8(3)	O(20)-Tb(6)-Tb(5)	41.3(2)
O(6)-Tb(3)-O(25)	70.1(3)	O(30)-Tb(6)-Tb(5)	105.5(3)
O(15)-Tb(3)-O(7)	74.0(3)	O(31)-Tb(6)-Tb(5)	156.9(3)
O(8)-Tb(3)-O(7)	62.0(3)	O(12)-Tb(6)-Tb(5)	105.6(2)
O(5)-Tb(3)-O(7)	79.2(3)	O(1)-Tb(6)-Tb(5)	92.1(2)

O(14)-Tb(3)-O(7)	124.2(3)	N(20)-Tb(6)-Tb(5)	131.3(3)
O(16)-Tb(3)-O(7)	130.0(3)	Tb(7)-Tb(6)-Tb(5)	60.35(2)
O(24)-Tb(3)-O(7)	145.7(3)	O(20)-Tb(7)-O(14)	77.8(3)
O(6)-Tb(3)-O(7)	69.8(3)	O(20)-Tb(7)-O(16)	122.7(3)
O(25)-Tb(3)-O(7)	110.6(3)	O(14)-Tb(7)-O(16)	71.6(3)
O(15)-Tb(3)-N(19)	154.8(4)	O(20)-Tb(7)-O(15)	152.6(3)
O(8)-Tb(3)-N(19)	95.7(3)	O(14)-Tb(7)-O(15)	78.4(3)
O(5)-Tb(3)-N(19)	111.2(4)	O(16)-Tb(7)-O(15)	60.8(3)
O(14)-Tb(3)-N(19)	78.9(3)	O(20)-Tb(7)-O(19)	61.8(3)
O(16)-Tb(3)-N(19)	97.9(3)	O(14)-Tb(7)-O(19)	131.9(3)
O(24)-Tb(3)-N(19)	26.0(3)	O(16)-Tb(7)-O(19)	152.6(3)
O(6)-Tb(3)-N(19)	71.2(3)	O(15)-Tb(7)-O(19)	129.7(3)
O(25)-Tb(3)-N(19)	24.8(3)	O(20)-Tb(7)-O(18)	70.7(3)
O(7)-Tb(3)-N(19)	130.2(3)	O(14)-Tb(7)-O(18)	112.7(3)
O(15)-Tb(3)-Tb(7)	42.9(2)	O(16)-Tb(7)-O(18)	78.3(3)
O(8)-Tb(3)-Tb(7)	92.63(19)	O(15)-Tb(7)-O(18)	132.1(3)
O(5)-Tb(3)-Tb(7)	101.8(2)	O(19)-Tb(7)-O(18)	78.7(3)
O(14)-Tb(3)-Tb(7)	42.6(2)	O(20)-Tb(7)-O(13)	74.3(3)
O(16)-Tb(3)-Tb(7)	42.72(18)	O(14)-Tb(7)-O(13)	68.6(3)
O(24)-Tb(3)-Tb(7)	101.5(2)	O(16)-Tb(7)-O(13)	131.3(3)
O(6)-Tb(3)-Tb(7)	167.25(19)	O(15)-Tb(7)-O(13)	84.5(3)
O(25)-Tb(3)-Tb(7)	118.44(19)	O(19)-Tb(7)-O(13)	75.8(3)
O(7)-Tb(3)-Tb(7)	112.70(19)	O(18)-Tb(7)-O(13)	143.4(3)
N(19)-Tb(3)-Tb(7)	112.2(3)	O(20)-Tb(7)-O(17)	132.5(3)
O(15)-Tb(3)-Tb(2)	42.8(2)	O(14)-Tb(7)-O(17)	143.6(3)
O(8)-Tb(3)-Tb(2)	132.6(2)	O(16)-Tb(7)-O(17)	73.9(3)
O(5)-Tb(3)-Tb(2)	41.4(2)	O(15)-Tb(7)-O(17)	74.8(3)
O(14)-Tb(3)-Tb(2)	102.2(2)	O(19)-Tb(7)-O(17)	84.5(3)
O(16)-Tb(3)-Tb(2)	40.2(2)	O(18)-Tb(7)-O(17)	70.6(3)
O(24)-Tb(3)-Tb(2)	103.4(2)	O(13)-Tb(7)-O(17)	131.5(3)
O(6)-Tb(3)-Tb(2)	107.3(2)	O(20)-Tb(7)-Tb(6)	43.1(2)
O(25)-Tb(3)-Tb(2)	154.3(2)	O(14)-Tb(7)-Tb(6)	118.11(19)
O(7)-Tb(3)-Tb(2)	91.36(18)	O(16)-Tb(7)-Tb(6)	120.53(19)
N(19)-Tb(3)-Tb(2)	129.5(3)	O(15)-Tb(7)-Tb(6)	163.4(2)
Tb(7)-Tb(3)-Tb(2)	60.69(2)	O(19)-Tb(7)-Tb(6)	41.0(2)
O(14)-Tb(4)-O(13)	71.9(3)	O(18)-Tb(7)-Tb(6)	42.7(2)
O(14)-Tb(4)-O(8)	70.7(3)	O(13)-Tb(7)-Tb(6)	102.57(18)
O(13)-Tb(4)-O(8)	98.6(3)	O(17)-Tb(7)-Tb(6)	89.48(17)

O(14)-Tb(4)-O(9)	94.8(3)	O(20)-Tb(7)-Tb(3)	119.5(2)
O(13)-Tb(4)-O(9)	72.6(3)	O(14)-Tb(7)-Tb(3)	42.35(18)
O(8)-Tb(4)-O(9)	165.0(3)	O(16)-Tb(7)-Tb(3)	43.38(18)
O(14)-Tb(4)-N(12)	83.2(4)	O(15)-Tb(7)-Tb(3)	41.0(2)
O(13)-Tb(4)-N(12)	137.8(3)	O(19)-Tb(7)-Tb(3)	162.8(2)
O(8)-Tb(4)-N(12)	104.7(3)	O(18)-Tb(7)-Tb(3)	118.3(2)
O(9)-Tb(4)-N(12)	76.4(3)	O(13)-Tb(7)-Tb(3)	87.97(18)
O(14)-Tb(4)-N(15)	132.6(3)	O(17)-Tb(7)-Tb(3)	102.61(18)
O(13)-Tb(4)-N(15)	83.6(3)	Tb(6)-Tb(7)-Tb(3)	152.43(4)
O(8)-Tb(4)-N(15)	73.8(3)	O(20)-Tb(7)-Tb(5)	41.5(2)
O(9)-Tb(4)-N(15)	116.0(3)	O(14)-Tb(7)-Tb(5)	89.01(18)
N(12)-Tb(4)-N(15)	136.4(4)	O(16)-Tb(7)-Tb(5)	158.7(2)
O(14)-Tb(4)-N(13)	163.3(3)	O(15)-Tb(7)-Tb(5)	124.9(2)
O(13)-Tb(4)-N(13)	108.8(3)	O(19)-Tb(7)-Tb(5)	43.46(18)
O(8)-Tb(4)-N(13)	124.7(3)	O(18)-Tb(7)-Tb(5)	102.38(19)
O(9)-Tb(4)-N(13)	70.2(3)	O(13)-Tb(7)-Tb(5)	41.74(18)
N(12)-Tb(4)-N(13)	86.0(4)	O(17)-Tb(7)-Tb(5)	126.7(2)
N(15)-Tb(4)-N(13)	63.1(4)	Tb(6)-Tb(7)-Tb(5)	60.838(19)
O(14)-Tb(4)-N(10)	115.1(3)	Tb(3)-Tb(7)-Tb(5)	124.48(2)
O(13)-Tb(4)-N(10)	160.2(3)	O(20)-Tb(7)-Tb(2)	157.9(2)
O(8)-Tb(4)-N(10)	68.5(3)	O(14)-Tb(7)-Tb(2)	102.13(18)
O(9)-Tb(4)-N(10)	123.1(3)	O(16)-Tb(7)-Tb(2)	40.2(2)
N(12)-Tb(4)-N(10)	61.8(3)	O(15)-Tb(7)-Tb(2)	43.2(2)
N(15)-Tb(4)-N(10)	78.4(3)	O(19)-Tb(7)-Tb(2)	125.22(19)
N(13)-Tb(4)-N(10)	70.2(3)	O(18)-Tb(7)-Tb(2)	89.57(19)
O(14)-Tb(4)-Tb(3)	35.76(19)	O(13)-Tb(7)-Tb(2)	126.70(19)
O(13)-Tb(4)-Tb(3)	82.26(19)	O(17)-Tb(7)-Tb(2)	41.79(18)
O(8)-Tb(4)-Tb(3)	35.12(19)	Tb(6)-Tb(7)-Tb(2)	125.41(2)
O(9)-Tb(4)-Tb(3)	130.11(19)	Tb(3)-Tb(7)-Tb(2)	60.899(17)
N(12)-Tb(4)-Tb(3)	97.1(3)	Tb(5)-Tb(7)-Tb(2)	159.20(3)



Complex 3

Table S8. Bond lengths (Å) found in **3**

Dy(1)-O(17)	2.302(9)	Dy(4)-O(13)	2.391(7)
Dy(1)-O(3)	2.319(7)	Dy(4)-O(22)	2.439(8)
Dy(1)-O(6)	2.335(9)	Dy(4)-O(11)	2.467(7)
Dy(1)-O(18)	2.373(8)	Dy(4)-O(21)	2.504(7)
Dy(1)-O(16)	2.378(7)	Dy(4)-O(10)	2.592(7)
Dy(1)-O(27)	2.425(11)	Dy(4)-N(19)	2.896(11)
Dy(1)-O(5)	2.494(9)	Dy(4)-Dy(7)	3.5002(13)
Dy(1)-O(28)	2.535(11)	Dy(5)-O(20)	2.331(7)
Dy(1)-O(4)	2.643(8)	Dy(5)-O(8)	2.339(7)
Dy(1)-N(20)	2.893(17)	Dy(5)-O(19)	2.346(8)
Dy(1)-Dy(7)	3.4981(12)	Dy(5)-O(9)	2.352(7)
Dy(1)-Dy(6)	3.5675(12)	Dy(5)-N(10)	2.505(10)
Dy(2)-O(16)	2.311(7)	Dy(5)-N(12)	2.509(9)
Dy(2)-O(15)	2.335(7)	Dy(5)-N(13)	2.524(10)
Dy(2)-O(2)	2.347(7)	Dy(5)-N(15)	2.529(10)
Dy(2)-O(3)	2.362(7)	Dy(5)-Dy(6)	3.8500(14)
Dy(2)-N(6)	2.498(10)	Dy(5)-Dy(7)	3.8853(11)
Dy(2)-N(3)	2.504(9)	Dy(6)-O(18)	2.333(10)
Dy(2)-N(1)	2.526(9)	Dy(6)-O(19)	2.356(8)
Dy(2)-N(4)	2.541(9)	Dy(6)-O(6)	2.361(9)
Dy(2)-Dy(3)	3.8645(12)	Dy(6)-O(8)	2.393(8)

Dy(2)-Dy(7)	3.8913(10)	Dy(6)-O(17)	2.467(8)
Dy(3)-O(13)	2.316(7)	Dy(6)-O(24)	2.532(11)
Dy(3)-O(12)	2.378(7)	Dy(6)-N(7)	2.554(12)
Dy(3)-O(15)	2.387(7)	Dy(6)-N(9)	2.575(14)
Dy(3)-O(2)	2.396(7)	Dy(6)-O(25)	2.627(12)
Dy(3)-O(14)	2.461(7)	Dy(6)-Dy(7)	3.5481(10)
Dy(3)-O(30)	2.481(7)	Dy(7)-O(14)	2.369(8)
Dy(3)-N(16)	2.559(9)	Dy(7)-O(17)	2.380(9)
Dy(3)-N(18)	2.583(9)	Dy(7)-O(18)	2.392(8)
Dy(3)-O(32)	2.591(8)	Dy(7)-O(13)	2.399(8)
Dy(3)-Dy(7)	3.5619(11)	Dy(7)-O(19)	2.431(8)
Dy(3)-Dy(4)	3.5775(10)	Dy(7)-O(16)	2.434(8)
Dy(4)-O(14)	2.306(7)	Dy(7)-O(15)	2.434(7)
Dy(4)-O(9)	2.338(7)	Dy(7)-O(20)	2.437(7)
Dy(4)-O(20)	2.339(7)	Dy(7)-O(39)	2.815(18)
Dy(4)-O(12)	2.346(7)		

Table S9. Bond angles (°) found in **3**

O(17)-Dy(1)-O(3)	90.1(3)	O(22)-Dy(4)-O(10)	144.6(3)
O(17)-Dy(1)-O(6)	76.3(3)	O(11)-Dy(4)-O(10)	69.5(2)
O(3)-Dy(1)-O(6)	140.0(3)	O(21)-Dy(4)-O(10)	111.9(2)
O(17)-Dy(1)-O(18)	62.4(3)	O(14)-Dy(4)-N(19)	156.6(3)
O(3)-Dy(1)-O(18)	135.6(3)	O(9)-Dy(4)-N(19)	97.5(3)
O(6)-Dy(1)-O(18)	70.1(3)	O(20)-Dy(4)-N(19)	81.3(3)
O(17)-Dy(1)-O(16)	81.4(3)	O(12)-Dy(4)-N(19)	107.9(3)
O(3)-Dy(1)-O(16)	70.3(3)	O(13)-Dy(4)-N(19)	97.9(3)
O(6)-Dy(1)-O(16)	141.2(3)	O(22)-Dy(4)-N(19)	26.4(3)
O(18)-Dy(1)-O(16)	71.5(3)	O(11)-Dy(4)-N(19)	69.1(3)
O(17)-Dy(1)-O(27)	137.5(4)	O(21)-Dy(4)-N(19)	25.8(2)
O(3)-Dy(1)-O(27)	120.0(4)	O(10)-Dy(4)-N(19)	129.8(3)
O(6)-Dy(1)-O(27)	93.5(4)	O(14)-Dy(4)-Dy(7)	42.22(19)
O(18)-Dy(1)-O(27)	75.3(4)	O(9)-Dy(4)-Dy(7)	93.26(17)
O(16)-Dy(1)-O(27)	82.0(3)	O(20)-Dy(4)-Dy(7)	43.98(17)
O(17)-Dy(1)-O(5)	128.6(3)	O(12)-Dy(4)-Dy(7)	101.37(17)
O(3)-Dy(1)-O(5)	97.8(3)	O(13)-Dy(4)-Dy(7)	43.14(18)
O(6)-Dy(1)-O(5)	65.3(3)	O(22)-Dy(4)-Dy(7)	103.6(2)

O(18)-Dy(1)-O(5)	126.6(3)	O(11)-Dy(4)-Dy(7)	167.32(15)
O(16)-Dy(1)-O(5)	148.7(3)	O(21)-Dy(4)-Dy(7)	118.90(18)
O(27)-Dy(1)-O(5)	79.6(3)	O(10)-Dy(4)-Dy(7)	111.27(17)
O(17)-Dy(1)-O(28)	154.3(3)	N(19)-Dy(4)-Dy(7)	115.4(2)
O(3)-Dy(1)-O(28)	70.8(3)	O(14)-Dy(4)-Dy(3)	43.05(17)
O(6)-Dy(1)-O(28)	129.4(3)	O(9)-Dy(4)-Dy(3)	133.92(17)
O(18)-Dy(1)-O(28)	120.0(4)	O(20)-Dy(4)-Dy(3)	102.82(17)
O(16)-Dy(1)-O(28)	76.0(3)	O(12)-Dy(4)-Dy(3)	41.12(17)
O(27)-Dy(1)-O(28)	51.0(4)	O(13)-Dy(4)-Dy(3)	39.77(16)
O(5)-Dy(1)-O(28)	72.7(4)	O(22)-Dy(4)-Dy(3)	100.88(18)
O(17)-Dy(1)-O(4)	71.8(3)	O(11)-Dy(4)-Dy(3)	107.15(16)
O(3)-Dy(1)-O(4)	62.0(3)	O(21)-Dy(4)-Dy(3)	152.92(17)
O(6)-Dy(1)-O(4)	78.0(3)	O(10)-Dy(4)-Dy(3)	91.36(15)
O(18)-Dy(1)-O(4)	128.7(3)	N(19)-Dy(4)-Dy(3)	127.3(2)
O(16)-Dy(1)-O(4)	124.2(2)	Dy(7)-Dy(4)-Dy(3)	60.42(2)
O(27)-Dy(1)-O(4)	147.1(3)	O(20)-Dy(5)-O(8)	95.3(3)
O(5)-Dy(1)-O(4)	67.9(3)	O(20)-Dy(5)-O(19)	72.7(3)
O(28)-Dy(1)-O(4)	111.3(3)	O(8)-Dy(5)-O(19)	71.1(3)
O(17)-Dy(1)-N(20)	154.4(4)	O(20)-Dy(5)-O(9)	70.3(2)
O(3)-Dy(1)-N(20)	95.5(4)	O(8)-Dy(5)-O(9)	165.1(2)
O(6)-Dy(1)-N(20)	113.1(4)	O(19)-Dy(5)-O(9)	100.2(2)
O(18)-Dy(1)-N(20)	97.3(4)	O(20)-Dy(5)-N(10)	163.7(3)
O(16)-Dy(1)-N(20)	77.0(3)	O(8)-Dy(5)-N(10)	69.9(3)
O(27)-Dy(1)-N(20)	25.3(4)	O(19)-Dy(5)-N(10)	107.1(3)
O(5)-Dy(1)-N(20)	75.5(4)	O(9)-Dy(5)-N(10)	124.9(3)
O(28)-Dy(1)-N(20)	25.7(4)	O(20)-Dy(5)-N(12)	132.0(3)
O(4)-Dy(1)-N(20)	132.5(4)	O(8)-Dy(5)-N(12)	115.5(3)
O(17)-Dy(1)-Dy(7)	42.5(2)	O(19)-Dy(5)-N(12)	83.1(3)
O(3)-Dy(1)-Dy(7)	92.97(17)	O(9)-Dy(5)-N(12)	74.3(3)
O(6)-Dy(1)-Dy(7)	101.0(2)	N(10)-Dy(5)-N(12)	63.0(3)
O(18)-Dy(1)-Dy(7)	43.0(2)	O(20)-Dy(5)-N(13)	116.8(3)
O(16)-Dy(1)-Dy(7)	43.99(18)	O(8)-Dy(5)-N(13)	123.0(3)
O(27)-Dy(1)-Dy(7)	102.4(3)	O(19)-Dy(5)-N(13)	159.5(3)
O(5)-Dy(1)-Dy(7)	166.3(3)	O(9)-Dy(5)-N(13)	68.9(3)
O(28)-Dy(1)-Dy(7)	119.2(3)	N(10)-Dy(5)-N(13)	69.1(3)
O(4)-Dy(1)-Dy(7)	110.46(18)	N(12)-Dy(5)-N(13)	77.3(3)
N(20)-Dy(1)-Dy(7)	112.0(3)	O(20)-Dy(5)-N(15)	86.1(3)
O(17)-Dy(1)-Dy(6)	43.38(19)	O(8)-Dy(5)-N(15)	76.7(3)

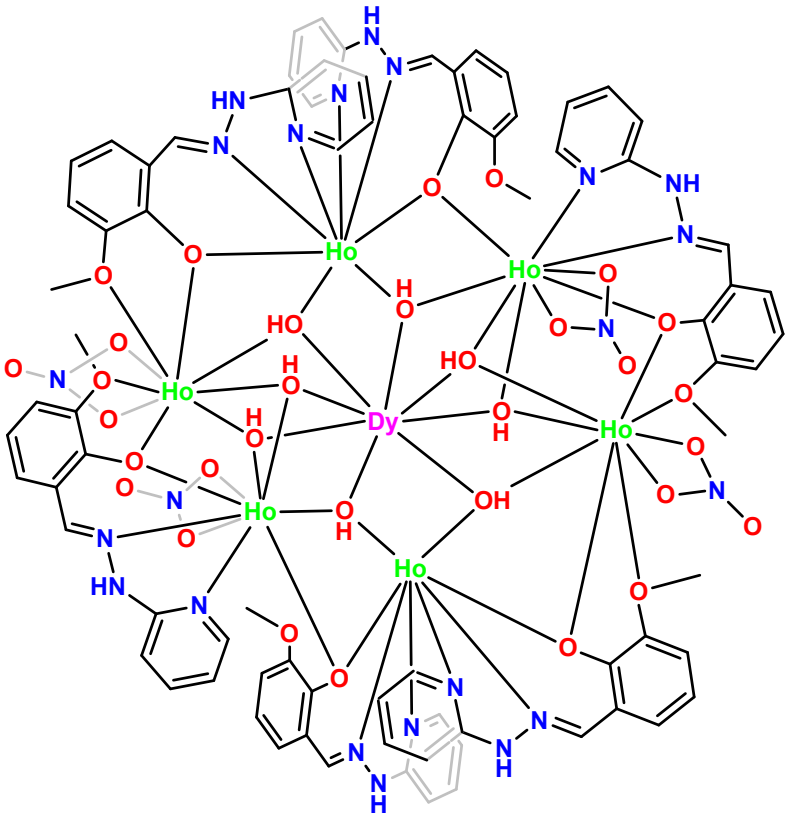
O(3)-Dy(1)-Dy(6)	132.82(19)	O(19)-Dy(5)-N(15)	139.1(3)
O(6)-Dy(1)-Dy(6)	40.8(2)	O(9)-Dy(5)-N(15)	104.9(3)
O(18)-Dy(1)-Dy(6)	40.3(2)	N(10)-Dy(5)-N(15)	84.1(3)
O(16)-Dy(1)-Dy(6)	102.85(18)	N(12)-Dy(5)-N(15)	134.5(3)
O(27)-Dy(1)-Dy(6)	104.2(3)	N(13)-Dy(5)-N(15)	61.3(3)
O(5)-Dy(1)-Dy(6)	106.0(3)	O(20)-Dy(5)-Dy(4)	35.16(17)
O(28)-Dy(1)-Dy(6)	155.2(3)	O(8)-Dy(5)-Dy(4)	129.92(18)
O(4)-Dy(1)-Dy(6)	90.07(16)	O(19)-Dy(5)-Dy(4)	83.11(18)
N(20)-Dy(1)-Dy(6)	129.5(4)	O(9)-Dy(5)-Dy(4)	35.32(16)
Dy(7)-Dy(1)-Dy(6)	60.28(2)	N(10)-Dy(5)-Dy(4)	160.2(2)
O(16)-Dy(2)-O(15)	72.1(3)	N(12)-Dy(5)-Dy(4)	102.6(2)
O(16)-Dy(2)-O(2)	95.9(3)	N(13)-Dy(5)-Dy(4)	95.3(2)
O(15)-Dy(2)-O(2)	71.4(2)	N(15)-Dy(5)-Dy(4)	99.4(2)
O(16)-Dy(2)-O(3)	70.7(3)	O(20)-Dy(5)-Dy(6)	82.85(17)
O(15)-Dy(2)-O(3)	99.1(2)	O(8)-Dy(5)-Dy(6)	36.03(18)
O(2)-Dy(2)-O(3)	165.8(2)	O(19)-Dy(5)-Dy(6)	35.12(19)
O(16)-Dy(2)-N(6)	84.1(3)	O(9)-Dy(5)-Dy(6)	134.34(16)
O(15)-Dy(2)-N(6)	135.2(3)	N(10)-Dy(5)-Dy(6)	88.2(2)
O(2)-Dy(2)-N(6)	74.2(3)	N(12)-Dy(5)-Dy(6)	100.5(2)
O(3)-Dy(2)-N(6)	108.1(3)	N(13)-Dy(5)-Dy(6)	155.8(2)
O(16)-Dy(2)-N(3)	129.5(3)	N(15)-Dy(5)-Dy(6)	109.4(2)
O(15)-Dy(2)-N(3)	80.5(3)	Dy(4)-Dy(5)-Dy(6)	108.621(17)
O(2)-Dy(2)-N(3)	114.5(3)	O(20)-Dy(5)-Dy(7)	36.35(18)
O(3)-Dy(2)-N(3)	73.0(3)	O(8)-Dy(5)-Dy(7)	82.27(17)
N(6)-Dy(2)-N(3)	140.9(3)	O(19)-Dy(5)-Dy(7)	36.32(19)
O(16)-Dy(2)-N(1)	165.3(3)	O(9)-Dy(5)-Dy(7)	83.78(16)
O(15)-Dy(2)-N(1)	107.1(3)	N(10)-Dy(5)-Dy(7)	141.4(2)
O(2)-Dy(2)-N(1)	70.4(3)	N(12)-Dy(5)-Dy(7)	109.5(2)
O(3)-Dy(2)-N(1)	123.4(3)	N(13)-Dy(5)-Dy(7)	149.2(2)
N(6)-Dy(2)-N(1)	86.8(3)	N(15)-Dy(5)-Dy(7)	115.7(2)
N(3)-Dy(2)-N(1)	63.5(3)	Dy(4)-Dy(5)-Dy(7)	54.023(19)
O(16)-Dy(2)-N(4)	113.6(3)	Dy(6)-Dy(5)-Dy(7)	54.60(2)
O(15)-Dy(2)-N(4)	161.8(3)	O(18)-Dy(6)-O(19)	75.9(3)
O(2)-Dy(2)-N(4)	123.3(3)	O(18)-Dy(6)-O(6)	70.3(3)
O(3)-Dy(2)-N(4)	68.4(3)	O(19)-Dy(6)-O(6)	142.0(3)
N(6)-Dy(2)-N(4)	62.9(3)	O(18)-Dy(6)-O(8)	76.6(3)
N(3)-Dy(2)-N(4)	83.1(3)	O(19)-Dy(6)-O(8)	70.0(3)
N(1)-Dy(2)-N(4)	71.9(3)	O(6)-Dy(6)-O(8)	116.9(3)

O(16)-Dy(2)-Dy(1)	35.97(19)	O(18)-Dy(6)-O(17)	60.5(3)
O(15)-Dy(2)-Dy(1)	82.84(17)	O(19)-Dy(6)-O(17)	75.8(3)
O(2)-Dy(2)-Dy(1)	131.34(17)	O(6)-Dy(6)-O(17)	72.7(3)
O(3)-Dy(2)-Dy(1)	34.86(17)	O(8)-Dy(6)-O(17)	130.3(3)
N(6)-Dy(2)-Dy(1)	99.7(2)	O(18)-Dy(6)-O(24)	140.1(3)
N(3)-Dy(2)-Dy(1)	100.4(2)	O(19)-Dy(6)-O(24)	119.7(4)
N(1)-Dy(2)-Dy(1)	158.3(2)	O(6)-Dy(6)-O(24)	79.2(4)
N(4)-Dy(2)-Dy(1)	92.5(2)	O(8)-Dy(6)-O(24)	141.9(3)
O(16)-Dy(2)-Dy(3)	81.97(18)	O(17)-Dy(6)-O(24)	86.5(3)
O(15)-Dy(2)-Dy(3)	35.51(17)	O(18)-Dy(6)-N(7)	122.1(4)
O(2)-Dy(2)-Dy(3)	35.86(16)	O(19)-Dy(6)-N(7)	141.5(4)
O(3)-Dy(2)-Dy(3)	133.60(17)	O(6)-Dy(6)-N(7)	73.9(4)
N(6)-Dy(2)-Dy(3)	105.4(2)	O(8)-Dy(6)-N(7)	81.1(3)
N(3)-Dy(2)-Dy(3)	99.4(2)	O(17)-Dy(6)-N(7)	142.3(4)
N(1)-Dy(2)-Dy(3)	89.3(2)	O(24)-Dy(6)-N(7)	70.3(4)
N(4)-Dy(2)-Dy(3)	157.8(2)	O(18)-Dy(6)-N(9)	149.1(3)
Dy(1)-Dy(2)-Dy(3)	108.591(18)	O(19)-Dy(6)-N(9)	83.8(4)
O(16)-Dy(2)-Dy(7)	35.94(19)	O(6)-Dy(6)-N(9)	134.1(4)
O(15)-Dy(2)-Dy(7)	36.16(17)	O(8)-Dy(6)-N(9)	74.6(3)
O(2)-Dy(2)-Dy(7)	83.31(16)	O(17)-Dy(6)-N(9)	136.1(4)
O(3)-Dy(2)-Dy(7)	82.91(17)	O(24)-Dy(6)-N(9)	70.5(4)
N(6)-Dy(2)-Dy(7)	112.7(2)	N(7)-Dy(6)-N(9)	63.9(5)
N(3)-Dy(2)-Dy(7)	106.3(2)	O(18)-Dy(6)-O(25)	125.8(3)
N(1)-Dy(2)-Dy(7)	141.8(2)	O(19)-Dy(6)-O(25)	72.0(3)
N(4)-Dy(2)-Dy(7)	146.0(2)	O(6)-Dy(6)-O(25)	115.1(3)
Dy(1)-Dy(2)-Dy(7)	53.922(18)	O(8)-Dy(6)-O(25)	127.9(3)
Dy(3)-Dy(2)-Dy(7)	54.68(2)	O(17)-Dy(6)-O(25)	69.9(3)
O(13)-Dy(3)-O(12)	70.3(2)	O(24)-Dy(6)-O(25)	47.9(4)
O(13)-Dy(3)-O(15)	75.6(3)	N(7)-Dy(6)-O(25)	110.1(4)
O(12)-Dy(3)-O(15)	141.8(2)	N(9)-Dy(6)-O(25)	66.9(4)
O(13)-Dy(3)-O(2)	78.4(2)	O(18)-Dy(6)-Dy(7)	42.0(2)
O(12)-Dy(3)-O(2)	118.2(2)	O(19)-Dy(6)-Dy(7)	43.00(19)
O(15)-Dy(3)-O(2)	69.6(2)	O(6)-Dy(6)-Dy(7)	99.1(2)
O(13)-Dy(3)-O(14)	60.3(2)	O(8)-Dy(6)-Dy(7)	89.34(17)
O(12)-Dy(3)-O(14)	73.2(2)	O(17)-Dy(6)-Dy(7)	42.0(2)
O(15)-Dy(3)-O(14)	75.3(2)	O(24)-Dy(6)-Dy(7)	123.7(3)
O(2)-Dy(3)-O(14)	131.1(2)	N(7)-Dy(6)-Dy(7)	163.6(3)
O(13)-Dy(3)-O(30)	138.3(2)	N(9)-Dy(6)-Dy(7)	126.3(4)

O(12)-Dy(3)-O(30)	77.2(2)	O(25)-Dy(6)-Dy(7)	86.4(2)
O(15)-Dy(3)-O(30)	121.5(2)	O(18)-Dy(6)-Dy(1)	41.14(19)
O(2)-Dy(3)-O(30)	141.6(2)	O(19)-Dy(6)-Dy(1)	101.88(19)
O(14)-Dy(3)-O(30)	86.0(2)	O(6)-Dy(6)-Dy(1)	40.3(2)
O(13)-Dy(3)-N(16)	122.6(3)	O(8)-Dy(6)-Dy(1)	115.3(2)
O(12)-Dy(3)-N(16)	72.1(2)	O(17)-Dy(6)-Dy(1)	39.8(2)
O(15)-Dy(3)-N(16)	143.8(2)	O(24)-Dy(6)-Dy(1)	99.2(3)
O(2)-Dy(3)-N(16)	83.0(2)	N(7)-Dy(6)-Dy(1)	113.5(4)
O(14)-Dy(3)-N(16)	140.3(3)	N(9)-Dy(6)-Dy(1)	169.7(3)
O(30)-Dy(3)-N(16)	68.0(2)	O(25)-Dy(6)-Dy(1)	106.4(2)
O(13)-Dy(3)-N(18)	149.8(3)	Dy(7)-Dy(6)-Dy(1)	58.89(2)
O(12)-Dy(3)-N(18)	133.4(3)	O(18)-Dy(6)-Dy(5)	73.46(19)
O(15)-Dy(3)-N(18)	84.7(3)	O(19)-Dy(6)-Dy(5)	34.95(18)
O(2)-Dy(3)-N(18)	73.4(3)	O(6)-Dy(6)-Dy(5)	139.5(2)
O(14)-Dy(3)-N(18)	136.0(3)	O(8)-Dy(6)-Dy(5)	35.08(17)
O(30)-Dy(3)-N(18)	71.7(2)	O(17)-Dy(6)-Dy(5)	104.35(19)
N(16)-Dy(3)-N(18)	64.5(3)	O(24)-Dy(6)-Dy(5)	141.2(3)
O(13)-Dy(3)-O(32)	125.0(2)	N(7)-Dy(6)-Dy(5)	112.4(3)
O(12)-Dy(3)-O(32)	115.6(2)	N(9)-Dy(6)-Dy(5)	76.5(3)
O(15)-Dy(3)-O(32)	71.4(2)	O(25)-Dy(6)-Dy(5)	100.5(3)
O(2)-Dy(3)-O(32)	126.0(2)	Dy(7)-Dy(6)-Dy(5)	63.206(17)
O(14)-Dy(3)-O(32)	69.4(2)	Dy(1)-Dy(6)-Dy(5)	113.03(3)
O(30)-Dy(3)-O(32)	50.1(2)	O(14)-Dy(7)-O(17)	133.8(3)
N(16)-Dy(3)-O(32)	109.8(2)	O(14)-Dy(7)-O(18)	152.5(3)
N(18)-Dy(3)-O(32)	67.2(3)	O(17)-Dy(7)-O(18)	61.0(3)
O(13)-Dy(3)-Dy(7)	41.81(19)	O(14)-Dy(7)-O(13)	60.5(2)
O(12)-Dy(3)-Dy(7)	98.99(16)	O(17)-Dy(7)-O(13)	151.8(3)
O(15)-Dy(3)-Dy(7)	42.87(16)	O(18)-Dy(7)-O(13)	119.3(3)
O(2)-Dy(3)-Dy(7)	90.31(16)	O(14)-Dy(7)-O(19)	87.4(3)
O(14)-Dy(3)-Dy(7)	41.50(18)	O(17)-Dy(7)-O(19)	76.1(3)
O(30)-Dy(3)-Dy(7)	123.53(16)	O(18)-Dy(7)-O(19)	73.5(3)
N(16)-Dy(3)-Dy(7)	164.35(19)	O(13)-Dy(7)-O(19)	132.0(2)
N(18)-Dy(3)-Dy(7)	127.0(2)	O(14)-Dy(7)-O(16)	129.8(2)
O(32)-Dy(3)-Dy(7)	85.54(17)	O(17)-Dy(7)-O(16)	78.7(3)
O(13)-Dy(3)-Dy(4)	41.31(17)	O(18)-Dy(7)-O(16)	70.3(3)
O(12)-Dy(3)-Dy(4)	40.44(16)	O(13)-Dy(7)-O(16)	75.7(2)
O(15)-Dy(3)-Dy(4)	101.58(16)	O(19)-Dy(7)-O(16)	142.6(3)
O(2)-Dy(3)-Dy(4)	117.40(17)	O(14)-Dy(7)-O(15)	76.1(2)

O(14)-Dy(3)-Dy(4)	39.76(17)	O(17)-Dy(7)-O(15)	86.5(2)
O(30)-Dy(3)-Dy(4)	97.16(16)	O(18)-Dy(7)-O(15)	131.3(2)
N(16)-Dy(3)-Dy(4)	112.15(19)	O(13)-Dy(7)-O(15)	73.2(2)
N(18)-Dy(3)-Dy(4)	168.83(19)	O(19)-Dy(7)-O(15)	136.0(3)
O(32)-Dy(3)-Dy(4)	105.78(17)	O(16)-Dy(7)-O(15)	68.3(2)
Dy(7)-Dy(3)-Dy(4)	58.72(2)	O(14)-Dy(7)-O(20)	78.3(2)
O(13)-Dy(3)-Dy(2)	73.32(18)	O(17)-Dy(7)-O(20)	131.3(2)
O(12)-Dy(3)-Dy(2)	139.41(17)	O(18)-Dy(7)-O(20)	76.6(3)
O(15)-Dy(3)-Dy(2)	34.63(16)	O(13)-Dy(7)-O(20)	69.8(2)
O(2)-Dy(3)-Dy(2)	35.02(17)	O(19)-Dy(7)-O(20)	69.4(3)
O(14)-Dy(3)-Dy(2)	103.64(18)	O(16)-Dy(7)-O(20)	109.8(3)
O(30)-Dy(3)-Dy(2)	143.34(16)	O(15)-Dy(7)-O(20)	142.0(2)
N(16)-Dy(3)-Dy(2)	115.20(18)	O(14)-Dy(7)-O(39)	62.5(4)
N(18)-Dy(3)-Dy(2)	77.43(19)	O(17)-Dy(7)-O(39)	71.6(5)
O(32)-Dy(3)-Dy(2)	99.75(16)	O(18)-Dy(7)-O(39)	122.3(4)
Dy(7)-Dy(3)-Dy(2)	63.044(16)	O(13)-Dy(7)-O(39)	118.1(3)
Dy(4)-Dy(3)-Dy(2)	112.96(2)	O(19)-Dy(7)-O(39)	64.4(5)
O(14)-Dy(4)-O(9)	91.6(2)	O(16)-Dy(7)-O(39)	131.1(6)
O(14)-Dy(4)-O(20)	81.6(3)	O(15)-Dy(7)-O(39)	71.8(5)
O(9)-Dy(4)-O(20)	70.4(2)	O(20)-Dy(7)-O(39)	119.0(6)
O(14)-Dy(4)-O(12)	76.7(2)	O(14)-Dy(7)-Dy(1)	164.90(17)
O(9)-Dy(4)-O(12)	141.2(2)	O(17)-Dy(7)-Dy(1)	40.8(2)
O(20)-Dy(4)-O(12)	141.0(2)	O(18)-Dy(7)-Dy(1)	42.57(19)
O(14)-Dy(4)-O(13)	61.5(3)	O(13)-Dy(7)-Dy(1)	117.70(17)
O(9)-Dy(4)-O(13)	136.0(2)	O(19)-Dy(7)-Dy(1)	102.19(18)
O(20)-Dy(4)-O(13)	71.6(2)	O(16)-Dy(7)-Dy(1)	42.75(17)
O(12)-Dy(4)-O(13)	69.6(2)	O(15)-Dy(7)-Dy(1)	88.94(16)
O(14)-Dy(4)-O(22)	135.8(3)	O(20)-Dy(7)-Dy(1)	115.92(17)
O(9)-Dy(4)-O(22)	122.9(2)	O(39)-Dy(7)-Dy(1)	111.0(5)
O(20)-Dy(4)-O(22)	85.1(3)	O(14)-Dy(7)-Dy(4)	40.85(17)
O(12)-Dy(4)-O(22)	88.4(3)	O(17)-Dy(7)-Dy(4)	165.1(2)
O(13)-Dy(4)-O(22)	74.3(3)	O(18)-Dy(7)-Dy(4)	117.6(2)
O(14)-Dy(4)-O(11)	131.0(3)	O(13)-Dy(7)-Dy(4)	42.95(16)
O(9)-Dy(4)-O(11)	97.9(2)	O(19)-Dy(7)-Dy(4)	89.27(18)
O(20)-Dy(4)-O(11)	146.6(2)	O(16)-Dy(7)-Dy(4)	115.41(18)
O(12)-Dy(4)-O(11)	66.1(2)	O(15)-Dy(7)-Dy(4)	102.71(16)
O(13)-Dy(4)-O(11)	126.1(2)	O(20)-Dy(7)-Dy(4)	41.78(16)
O(22)-Dy(4)-O(11)	75.2(3)	O(39)-Dy(7)-Dy(4)	100.0(5)

O(14)-Dy(4)-O(21)	155.5(2)	Dy(1)-Dy(7)-Dy(4)	149.02(3)
O(9)-Dy(4)-O(21)	71.9(2)	O(14)-Dy(7)-Dy(6)	127.87(17)
O(20)-Dy(4)-O(21)	76.0(2)	O(17)-Dy(7)-Dy(6)	43.92(18)
O(12)-Dy(4)-O(21)	127.5(2)	O(18)-Dy(7)-Dy(6)	40.7(2)
O(13)-Dy(4)-O(21)	118.7(2)	O(13)-Dy(7)-Dy(6)	155.18(16)
O(22)-Dy(4)-O(21)	52.1(2)	O(19)-Dy(7)-Dy(6)	41.36(18)
O(11)-Dy(4)-O(21)	70.7(2)	O(16)-Dy(7)-Dy(6)	102.18(17)
O(14)-Dy(4)-O(10)	73.4(3)	O(15)-Dy(7)-Dy(6)	129.67(17)
O(9)-Dy(4)-O(10)	62.0(2)	O(20)-Dy(7)-Dy(6)	88.32(16)
O(20)-Dy(4)-O(10)	124.5(2)	O(39)-Dy(7)-Dy(6)	82.3(3)
O(12)-Dy(4)-O(10)	79.2(2)	Dy(1)-Dy(7)-Dy(6)	60.83(2)
O(13)-Dy(4)-O(10)	129.4(2)	Dy(4)-Dy(7)-Dy(6)	124.23(2)



Complex 4

Table S10. Bond lengths (Å) found in **4**

Ho(1)-O(6)	2.339(7)	Ho(4)-O(27)	2.452(7)
Ho(1)-O(15)	2.342(7)	Ho(4)-O(12)	2.485(8)
Ho(1)-O(17)	2.351(6)	Ho(4)-O(28)	2.496(8)
Ho(1)-O(8)	2.409(7)	Ho(4)-N(1)	2.554(9)
Ho(1)-O(16)	2.440(6)	Ho(4)-N(3)	2.570(8)
Ho(1)-O(24)	2.458(7)	Ho(4)-N(19)	2.902(10)
Ho(1)-N(10)	2.519(9)	Ho(4)-Ho(7)	3.5571(10)
Ho(1)-N(12)	2.547(9)	Ho(4)-Ho(5)	3.5716(10)
Ho(1)-O(25)	2.571(8)	Ho(5)-O(12)	2.292(8)
Ho(1)-Ho(7)	3.5215(9)	Ho(5)-O(9)	2.308(6)
Ho(1)-Ho(2)	3.5489(10)	Ho(5)-O(2)	2.329(7)
Ho(1)-Ho(6)	3.8049(13)	Ho(5)-O(11)	2.332(7)
Ho(2)-O(16)	2.290(6)	Ho(5)-O(38)	2.397(7)
Ho(2)-O(37)	2.309(7)	Ho(5)-O(19)	2.435(8)
Ho(2)-O(15)	2.355(6)	Ho(5)-O(1)	2.449(6)
Ho(2)-O(14)	2.366(6)	Ho(5)-O(18)	2.533(7)
Ho(2)-O(6)	2.375(6)	Ho(5)-O(10)	2.616(7)
Ho(2)-O(21)	2.448(9)	Ho(5)-N(16)	2.921(10)
Ho(2)-O(5)	2.478(7)	Ho(5)-Ho(7)	3.4786(12)
Ho(2)-O(22)	2.502(8)	Ho(6)-O(11)	2.300(7)
Ho(2)-O(36)	2.541(7)	Ho(6)-O(9)	2.320(6)
Ho(2)-N(17)	2.893(11)	Ho(6)-O(8)	2.326(6)
Ho(2)-Ho(7)	3.4640(10)	Ho(6)-O(17)	2.332(7)
Ho(3)-O(14)	2.296(6)	Ho(6)-N(23)	2.486(8)
Ho(3)-O(37)	2.335(6)	Ho(6)-N(13)	2.503(9)
Ho(3)-O(13)	2.338(6)	Ho(6)-N(25)	2.512(8)
Ho(3)-O(4)	2.365(6)	Ho(6)-N(15)	2.512(9)
Ho(3)-N(6)	2.506(8)	Ho(6)-Ho(7)	3.8497(10)
Ho(3)-N(7)	2.509(8)	Ho(7)-O(15)	2.304(6)
Ho(3)-N(4)	2.516(15)	Ho(7)-O(38)	2.344(7)
Ho(3)-N(9)	2.523(9)	Ho(7)-O(14)	2.377(7)
Ho(3)-Ho(7)	3.8327(9)	Ho(7)-O(11)	2.386(7)
Ho(3)-Ho(4)	3.8675(11)	Ho(7)-O(12)	2.399(8)
Ho(4)-O(38)	2.343(7)	Ho(7)-O(16)	2.399(6)
Ho(4)-O(4)	2.382(6)	Ho(7)-O(13)	2.422(6)
Ho(4)-O(13)	2.389(6)	Ho(7)-O(17)	2.435(7)
Ho(4)-O(2)	2.414(7)		

Table S11. Bond angles (°) found in **4**

O(6)-Ho(1)-O(15)	69.7(2)	O(12)-Ho(4)-N(3)	139.3(3)
O(6)-Ho(1)-O(17)	142.9(2)	O(28)-Ho(4)-N(3)	69.8(3)
O(15)-Ho(1)-O(17)	75.8(2)	N(1)-Ho(4)-N(3)	64.4(3)
O(6)-Ho(1)-O(8)	110.7(2)	O(38)-Ho(4)-N(19)	141.2(2)
O(15)-Ho(1)-O(8)	74.4(2)	O(4)-Ho(4)-N(19)	139.6(2)
O(17)-Ho(1)-O(8)	71.2(2)	O(13)-Ho(4)-N(19)	98.6(2)
O(6)-Ho(1)-O(16)	75.3(2)	O(2)-Ho(4)-N(19)	98.3(3)
O(15)-Ho(1)-O(16)	60.1(2)	O(27)-Ho(4)-N(19)	25.8(2)
O(17)-Ho(1)-O(16)	76.2(2)	O(12)-Ho(4)-N(19)	80.8(3)
O(8)-Ho(1)-O(16)	129.0(2)	O(28)-Ho(4)-N(19)	25.8(2)
O(6)-Ho(1)-O(24)	77.2(3)	N(1)-Ho(4)-N(19)	88.9(3)
O(15)-Ho(1)-O(24)	138.0(2)	N(3)-Ho(4)-N(19)	66.4(3)
O(17)-Ho(1)-O(24)	124.5(2)	O(38)-Ho(4)-Ho(7)	40.63(17)
O(8)-Ho(1)-O(24)	143.5(2)	O(4)-Ho(4)-Ho(7)	87.28(15)
O(16)-Ho(1)-O(24)	87.4(2)	O(13)-Ho(4)-Ho(7)	42.69(15)
O(6)-Ho(1)-N(10)	72.9(2)	O(2)-Ho(4)-Ho(7)	98.24(16)
O(15)-Ho(1)-N(10)	119.6(3)	O(27)-Ho(4)-Ho(7)	127.19(17)
O(17)-Ho(1)-N(10)	138.8(3)	O(12)-Ho(4)-Ho(7)	42.31(18)
O(8)-Ho(1)-N(10)	76.8(2)	O(28)-Ho(4)-Ho(7)	88.61(17)
O(16)-Ho(1)-N(10)	145.0(2)	N(1)-Ho(4)-Ho(7)	159.1(2)
O(24)-Ho(1)-N(10)	71.7(3)	N(3)-Ho(4)-Ho(7)	129.2(2)
O(6)-Ho(1)-N(12)	133.5(3)	N(19)-Ho(4)-Ho(7)	110.74(18)
O(15)-Ho(1)-N(12)	148.9(2)	O(38)-Ho(4)-Ho(5)	41.67(16)
O(17)-Ho(1)-N(12)	83.6(3)	O(4)-Ho(4)-Ho(5)	114.53(16)
O(8)-Ho(1)-N(12)	77.1(3)	O(13)-Ho(4)-Ho(5)	101.02(15)
O(16)-Ho(1)-N(12)	136.5(3)	O(2)-Ho(4)-Ho(5)	40.26(16)
O(24)-Ho(1)-N(12)	73.0(3)	O(27)-Ho(4)-Ho(5)	96.86(16)
N(10)-Ho(1)-N(12)	64.3(3)	O(12)-Ho(4)-Ho(5)	39.59(18)
O(6)-Ho(1)-O(25)	115.8(2)	O(28)-Ho(4)-Ho(5)	105.83(19)
O(15)-Ho(1)-O(25)	125.8(2)	N(1)-Ho(4)-Ho(5)	110.66(19)
O(17)-Ho(1)-O(25)	74.5(2)	N(3)-Ho(4)-Ho(5)	169.94(19)
O(8)-Ho(1)-O(25)	133.3(2)	N(19)-Ho(4)-Ho(5)	105.63(19)
O(16)-Ho(1)-O(25)	69.3(2)	Ho(7)-Ho(4)-Ho(5)	58.415(19)
O(24)-Ho(1)-O(25)	50.1(3)	O(12)-Ho(5)-O(9)	89.3(3)
N(10)-Ho(1)-O(25)	112.6(3)	O(12)-Ho(5)-O(2)	78.8(3)

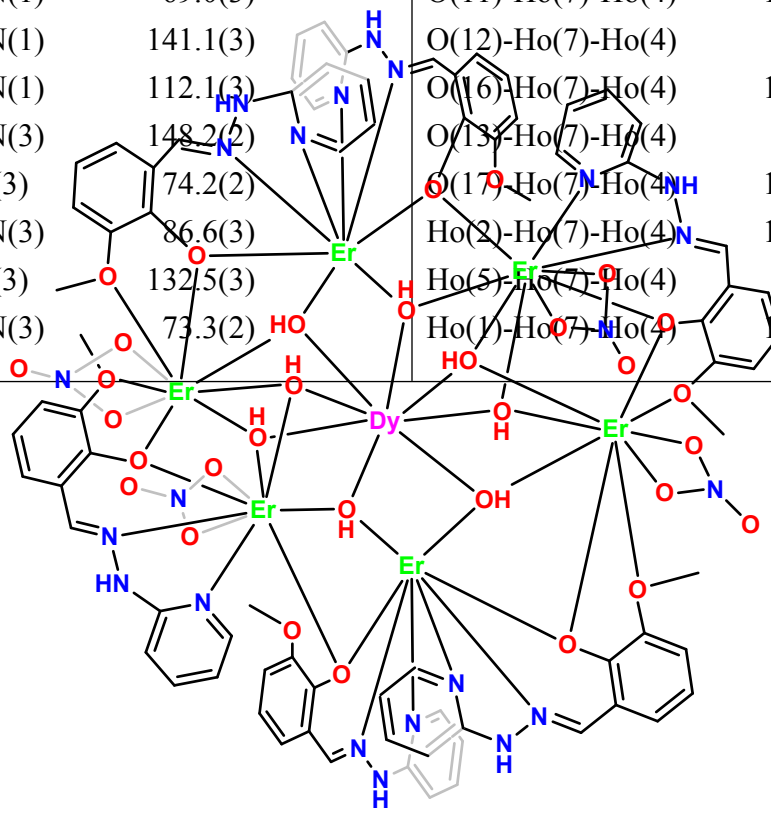
N(12)-Ho(1)-O(25)	68.3(3)	O(9)-Ho(5)-O(2)	141.9(2)
O(6)-Ho(1)-Ho(7)	99.57(16)	O(12)-Ho(5)-O(11)	80.7(3)
O(15)-Ho(1)-Ho(7)	40.30(15)	O(9)-Ho(5)-O(11)	69.6(2)
O(17)-Ho(1)-Ho(7)	43.57(17)	O(2)-Ho(5)-O(11)	141.2(2)
O(8)-Ho(1)-Ho(7)	87.59(15)	O(12)-Ho(5)-O(38)	62.5(3)
O(16)-Ho(1)-Ho(7)	42.86(15)	O(9)-Ho(5)-O(38)	134.7(2)
O(24)-Ho(1)-Ho(7)	127.28(18)	O(2)-Ho(5)-O(38)	70.2(2)
N(10)-Ho(1)-Ho(7)	158.4(2)	O(11)-Ho(5)-O(38)	71.2(2)
N(12)-Ho(1)-Ho(7)	126.9(2)	O(12)-Ho(5)-O(19)	136.6(3)
O(25)-Ho(1)-Ho(7)	88.89(17)	O(9)-Ho(5)-O(19)	120.9(2)
O(6)-Ho(1)-Ho(2)	41.55(16)	O(2)-Ho(5)-O(19)	90.9(3)
O(15)-Ho(1)-Ho(2)	41.06(15)	O(11)-Ho(5)-O(19)	82.0(3)
O(17)-Ho(1)-Ho(2)	102.19(17)	O(38)-Ho(5)-O(19)	74.3(2)
O(8)-Ho(1)-Ho(2)	112.46(16)	O(12)-Ho(5)-O(1)	133.3(3)
O(16)-Ho(1)-Ho(2)	39.80(15)	O(9)-Ho(5)-O(1)	99.0(2)
O(24)-Ho(1)-Ho(2)	96.99(18)	O(2)-Ho(5)-O(1)	66.5(2)
N(10)-Ho(1)-Ho(2)	113.7(2)	O(11)-Ho(5)-O(1)	145.2(3)
N(12)-Ho(1)-Ho(2)	170.0(2)	O(38)-Ho(5)-O(1)	126.3(2)
O(25)-Ho(1)-Ho(2)	105.01(17)	O(19)-Ho(5)-O(1)	76.1(3)
Ho(7)-Ho(1)-Ho(2)	58.670(18)	O(12)-Ho(5)-O(18)	153.6(2)
O(6)-Ho(1)-Ho(6)	136.78(18)	O(9)-Ho(5)-O(18)	71.1(2)
O(15)-Ho(1)-Ho(6)	73.54(15)	O(2)-Ho(5)-O(18)	127.5(2)
O(17)-Ho(1)-Ho(6)	35.49(16)	O(11)-Ho(5)-O(18)	76.1(2)
O(8)-Ho(1)-Ho(6)	35.78(15)	O(38)-Ho(5)-O(18)	119.6(2)
O(16)-Ho(1)-Ho(6)	105.07(15)	O(19)-Ho(5)-O(18)	51.7(2)
O(24)-Ho(1)-Ho(6)	145.48(18)	O(1)-Ho(5)-O(18)	69.2(2)
N(10)-Ho(1)-Ho(6)	108.02(19)	O(12)-Ho(5)-O(10)	73.9(3)
N(12)-Ho(1)-Ho(6)	76.15(19)	O(9)-Ho(5)-O(10)	62.5(2)
O(25)-Ho(1)-Ho(6)	103.75(17)	O(2)-Ho(5)-O(10)	79.4(2)
Ho(7)-Ho(1)-Ho(6)	63.258(13)	O(11)-Ho(5)-O(10)	125.2(2)
Ho(2)-Ho(1)-Ho(6)	113.30(2)	O(38)-Ho(5)-O(10)	130.4(2)
O(16)-Ho(2)-O(37)	88.8(2)	O(19)-Ho(5)-O(10)	145.7(3)
O(16)-Ho(2)-O(15)	62.1(2)	O(1)-Ho(5)-O(10)	69.9(2)
O(37)-Ho(2)-O(15)	133.4(2)	O(18)-Ho(5)-O(10)	110.0(2)
O(16)-Ho(2)-O(14)	81.0(2)	O(12)-Ho(5)-N(16)	154.4(3)
O(37)-Ho(2)-O(14)	69.2(2)	O(9)-Ho(5)-N(16)	95.9(3)
O(15)-Ho(2)-O(14)	70.8(2)	O(2)-Ho(5)-N(16)	110.5(3)
O(16)-Ho(2)-O(6)	77.5(2)	O(11)-Ho(5)-N(16)	77.7(3)

O(37)-Ho(2)-O(6)	143.0(2)	O(38)-Ho(5)-N(16)	97.2(3)
O(15)-Ho(2)-O(6)	68.9(2)	O(19)-Ho(5)-N(16)	26.0(2)
O(14)-Ho(2)-O(6)	139.5(2)	O(1)-Ho(5)-N(16)	70.7(3)
O(16)-Ho(2)-O(21)	137.3(3)	O(18)-Ho(5)-N(16)	25.7(2)
O(37)-Ho(2)-O(21)	121.0(3)	O(10)-Ho(5)-N(16)	130.4(3)
O(15)-Ho(2)-O(21)	75.3(3)	O(12)-Ho(5)-Ho(7)	43.33(19)
O(14)-Ho(2)-O(21)	82.4(3)	O(9)-Ho(5)-Ho(7)	92.78(16)
O(6)-Ho(2)-O(21)	90.7(3)	O(2)-Ho(5)-Ho(7)	102.19(17)
O(16)-Ho(2)-O(5)	131.1(3)	O(11)-Ho(5)-Ho(7)	43.11(18)
O(37)-Ho(2)-O(5)	102.1(2)	O(38)-Ho(5)-Ho(7)	42.20(16)
O(15)-Ho(2)-O(5)	124.5(2)	O(19)-Ho(5)-Ho(7)	100.41(19)
O(14)-Ho(2)-O(5)	147.5(3)	O(1)-Ho(5)-Ho(7)	167.86(15)
O(6)-Ho(2)-O(5)	65.3(2)	O(18)-Ho(5)-Ho(7)	118.06(16)
O(21)-Ho(2)-O(5)	75.7(3)	O(10)-Ho(5)-Ho(7)	113.72(17)
O(16)-Ho(2)-O(22)	154.4(2)	N(16)-Ho(5)-Ho(7)	111.20(19)
O(37)-Ho(2)-O(22)	70.4(2)	O(12)-Ho(5)-Ho(4)	43.70(19)
O(15)-Ho(2)-O(22)	122.3(3)	O(9)-Ho(5)-Ho(4)	132.37(17)
O(14)-Ho(2)-O(22)	77.8(3)	O(2)-Ho(5)-Ho(4)	42.06(17)
O(6)-Ho(2)-O(22)	128.2(2)	O(11)-Ho(5)-Ho(4)	102.63(17)
O(21)-Ho(2)-O(22)	53.2(3)	O(38)-Ho(5)-Ho(4)	40.54(17)
O(5)-Ho(2)-O(22)	69.9(3)	O(19)-Ho(5)-Ho(4)	103.38(16)
O(16)-Ho(2)-O(36)	75.3(2)	O(1)-Ho(5)-Ho(4)	108.51(16)
O(37)-Ho(2)-O(36)	63.6(2)	O(18)-Ho(5)-Ho(4)	155.11(17)
O(15)-Ho(2)-O(36)	131.0(2)	O(10)-Ho(5)-Ho(4)	91.25(15)
O(14)-Ho(2)-O(36)	126.9(2)	N(16)-Ho(5)-Ho(4)	129.4(2)
O(6)-Ho(2)-O(36)	79.7(2)	Ho(7)-Ho(5)-Ho(4)	60.58(2)
O(21)-Ho(2)-O(36)	143.2(3)	O(11)-Ho(6)-O(9)	70.0(2)
O(5)-Ho(2)-O(36)	68.0(3)	O(11)-Ho(6)-O(8)	94.8(2)
O(22)-Ho(2)-O(36)	106.6(3)	O(9)-Ho(6)-O(8)	164.1(2)
O(16)-Ho(2)-N(17)	157.6(3)	O(11)-Ho(6)-O(17)	72.5(3)
O(37)-Ho(2)-N(17)	95.9(3)	O(9)-Ho(6)-O(17)	97.3(2)
O(15)-Ho(2)-N(17)	99.9(3)	O(8)-Ho(6)-O(17)	73.0(2)
O(14)-Ho(2)-N(17)	80.2(3)	O(11)-Ho(6)-N(23)	163.1(3)
O(6)-Ho(2)-N(17)	109.9(3)	O(9)-Ho(6)-N(23)	125.2(3)
O(21)-Ho(2)-N(17)	26.9(3)	O(8)-Ho(6)-N(23)	70.5(3)
O(5)-Ho(2)-N(17)	69.3(3)	O(17)-Ho(6)-N(23)	109.4(3)
O(22)-Ho(2)-N(17)	26.4(3)	O(11)-Ho(6)-N(13)	81.9(3)
O(36)-Ho(2)-N(17)	126.3(3)	O(9)-Ho(6)-N(13)	105.5(3)

O(16)-Ho(2)-Ho(7)	43.61(16)	O(8)-Ho(6)-N(13)	75.7(3)
O(37)-Ho(2)-Ho(7)	92.23(16)	O(17)-Ho(6)-N(13)	137.2(3)
O(15)-Ho(2)-Ho(7)	41.40(15)	N(23)-Ho(6)-N(13)	86.3(3)
O(14)-Ho(2)-Ho(7)	43.22(16)	O(11)-Ho(6)-N(25)	132.6(3)
O(6)-Ho(2)-Ho(7)	100.39(17)	O(9)-Ho(6)-N(25)	73.7(3)
O(21)-Ho(2)-Ho(7)	100.9(2)	O(8)-Ho(6)-N(25)	116.5(3)
O(5)-Ho(2)-Ho(7)	164.98(17)	O(17)-Ho(6)-N(25)	83.2(3)
O(22)-Ho(2)-Ho(7)	120.1(2)	N(23)-Ho(6)-N(25)	63.6(3)
O(36)-Ho(2)-Ho(7)	115.64(18)	N(13)-Ho(6)-N(25)	137.6(3)
N(17)-Ho(2)-Ho(7)	114.1(2)	O(11)-Ho(6)-N(15)	114.4(3)
O(16)-Ho(2)-Ho(1)	43.01(16)	O(9)-Ho(6)-N(15)	69.3(2)
O(37)-Ho(2)-Ho(1)	131.24(17)	O(8)-Ho(6)-N(15)	123.3(3)
O(15)-Ho(2)-Ho(1)	40.80(17)	O(17)-Ho(6)-N(15)	159.7(3)
O(14)-Ho(2)-Ho(1)	102.53(16)	N(23)-Ho(6)-N(15)	70.0(3)
O(6)-Ho(2)-Ho(1)	40.78(17)	N(13)-Ho(6)-N(15)	62.8(3)
O(21)-Ho(2)-Ho(1)	104.31(19)	N(25)-Ho(6)-N(15)	78.5(3)
O(5)-Ho(2)-Ho(1)	105.95(18)	O(11)-Ho(6)-Ho(5)	35.29(18)
O(22)-Ho(2)-Ho(1)	157.48(18)	O(9)-Ho(6)-Ho(5)	34.82(15)
O(36)-Ho(2)-Ho(1)	91.37(17)	O(8)-Ho(6)-Ho(5)	129.56(16)
N(17)-Ho(2)-Ho(1)	131.1(2)	O(17)-Ho(6)-Ho(5)	81.73(16)
Ho(7)-Ho(2)-Ho(1)	60.270(19)	N(23)-Ho(6)-Ho(5)	159.9(2)
O(14)-Ho(3)-O(37)	70.0(2)	N(13)-Ho(6)-Ho(5)	96.8(2)
O(14)-Ho(3)-O(13)	72.7(2)	N(25)-Ho(6)-Ho(5)	102.5(2)
O(37)-Ho(3)-O(13)	98.0(2)	N(15)-Ho(6)-Ho(5)	93.73(19)
O(14)-Ho(3)-O(4)	95.0(2)	O(11)-Ho(6)-Ho(1)	83.92(17)
O(37)-Ho(3)-O(4)	163.9(2)	O(9)-Ho(6)-Ho(1)	132.54(16)
O(13)-Ho(3)-O(4)	71.1(2)	O(8)-Ho(6)-Ho(1)	37.26(17)
O(14)-Ho(3)-N(6)	131.3(3)	O(17)-Ho(6)-Ho(1)	35.82(16)
O(37)-Ho(3)-N(6)	73.9(2)	N(23)-Ho(6)-Ho(1)	88.6(2)
O(13)-Ho(3)-N(6)	81.3(2)	N(13)-Ho(6)-Ho(1)	109.29(19)
O(4)-Ho(3)-N(6)	114.8(2)	N(25)-Ho(6)-Ho(1)	99.6(2)
O(14)-Ho(3)-N(7)	82.2(2)	N(15)-Ho(6)-Ho(1)	157.12(19)
O(37)-Ho(3)-N(7)	107.6(2)	Ho(5)-Ho(6)-Ho(1)	108.819(16)
O(13)-Ho(3)-N(7)	135.2(2)	O(11)-Ho(6)-Ho(7)	35.50(19)
O(4)-Ho(3)-N(7)	74.9(2)	O(9)-Ho(6)-Ho(7)	83.58(15)
N(6)-Ho(3)-N(7)	140.5(3)	O(8)-Ho(6)-Ho(7)	81.20(16)
O(14)-Ho(3)-N(4)	164.5(4)	O(17)-Ho(6)-Ho(7)	37.06(17)
O(37)-Ho(3)-N(4)	124.4(4)	N(23)-Ho(6)-Ho(7)	142.9(2)

O(13)-Ho(3)-N(4)	108.1(4)	N(13)-Ho(6)-Ho(7)	110.0(2)
O(4)-Ho(3)-N(4)	71.3(4)	N(25)-Ho(6)-Ho(7)	112.0(2)
N(6)-Ho(3)-N(4)	63.1(4)	N(15)-Ho(6)-Ho(7)	147.17(19)
N(7)-Ho(3)-N(4)	87.2(4)	Ho(5)-Ho(6)-Ho(7)	54.134(18)
O(14)-Ho(3)-N(9)	112.8(2)	Ho(1)-Ho(6)-Ho(7)	54.777(19)
O(37)-Ho(3)-N(9)	68.8(2)	O(15)-Ho(7)-O(38)	124.5(2)
O(13)-Ho(3)-N(9)	161.2(3)	O(15)-Ho(7)-O(14)	71.4(2)
O(4)-Ho(3)-N(9)	124.5(2)	O(38)-Ho(7)-O(14)	79.3(2)
N(6)-Ho(3)-N(9)	82.0(3)	O(15)-Ho(7)-O(11)	79.6(2)
N(7)-Ho(3)-N(9)	63.4(3)	O(38)-Ho(7)-O(11)	71.2(2)
N(4)-Ho(3)-N(9)	71.7(4)	O(14)-Ho(7)-O(11)	114.6(2)
O(14)-Ho(3)-Ho(2)	35.66(16)	O(15)-Ho(7)-O(12)	151.9(2)
O(37)-Ho(3)-Ho(2)	34.49(17)	O(38)-Ho(7)-O(12)	61.8(3)
O(13)-Ho(3)-Ho(2)	82.24(16)	O(14)-Ho(7)-O(12)	133.5(2)
O(4)-Ho(3)-Ho(2)	129.91(15)	O(11)-Ho(7)-O(12)	77.4(3)
N(6)-Ho(3)-Ho(2)	101.54(18)	O(15)-Ho(7)-O(16)	61.2(2)
N(7)-Ho(3)-Ho(2)	98.55(18)	O(38)-Ho(7)-O(16)	153.1(2)
N(4)-Ho(3)-Ho(2)	158.8(3)	O(14)-Ho(7)-O(16)	78.6(2)
N(9)-Ho(3)-Ho(2)	92.55(18)	O(11)-Ho(7)-O(16)	132.7(2)
O(14)-Ho(3)-Ho(7)	35.61(17)	O(12)-Ho(7)-O(16)	127.7(3)
O(37)-Ho(3)-Ho(7)	82.98(16)	O(15)-Ho(7)-O(13)	131.7(2)
O(13)-Ho(3)-Ho(7)	37.13(16)	O(38)-Ho(7)-O(13)	74.5(2)
O(4)-Ho(3)-Ho(7)	81.24(15)	O(14)-Ho(7)-O(13)	69.9(2)
N(6)-Ho(3)-Ho(7)	109.37(19)	O(11)-Ho(7)-O(13)	143.5(2)
N(7)-Ho(3)-Ho(7)	109.93(18)	O(12)-Ho(7)-O(13)	75.7(2)
N(4)-Ho(3)-Ho(7)	142.7(3)	O(16)-Ho(7)-O(13)	83.6(2)
N(9)-Ho(3)-Ho(7)	145.58(18)	O(15)-Ho(7)-O(17)	74.8(2)
Ho(2)-Ho(3)-Ho(7)	53.849(16)	O(38)-Ho(7)-O(17)	130.9(2)
O(14)-Ho(3)-Ho(4)	83.53(17)	O(14)-Ho(7)-O(17)	144.4(2)
O(37)-Ho(3)-Ho(4)	132.77(16)	O(11)-Ho(7)-O(17)	69.2(2)
O(13)-Ho(3)-Ho(4)	35.53(16)	O(12)-Ho(7)-O(17)	82.0(2)
O(4)-Ho(3)-Ho(4)	35.58(16)	O(16)-Ho(7)-O(17)	75.4(2)
N(6)-Ho(3)-Ho(4)	98.57(17)	O(13)-Ho(7)-O(17)	129.7(2)
N(7)-Ho(3)-Ho(4)	106.55(18)	O(15)-Ho(7)-Ho(2)	42.53(15)
N(4)-Ho(3)-Ho(4)	88.8(3)	O(38)-Ho(7)-Ho(2)	121.74(17)
N(9)-Ho(3)-Ho(4)	157.89(19)	O(14)-Ho(7)-Ho(2)	42.97(15)
Ho(2)-Ho(3)-Ho(4)	108.828(17)	O(11)-Ho(7)-Ho(2)	119.40(18)
Ho(7)-Ho(3)-Ho(4)	55.024(19)	O(12)-Ho(7)-Ho(2)	163.16(18)

O(38)-Ho(4)-O(4)	75.1(2)	O(16)-Ho(7)-Ho(2)	41.16(16)
O(38)-Ho(4)-O(13)	75.2(2)	O(13)-Ho(7)-Ho(2)	89.18(15)
O(4)-Ho(4)-O(13)	69.9(2)	O(17)-Ho(7)-Ho(2)	102.71(15)
O(38)-Ho(4)-O(2)	69.6(2)	O(15)-Ho(7)-Ho(5)	121.09(16)
O(4)-Ho(4)-O(2)	115.2(2)	O(38)-Ho(7)-Ho(5)	43.38(16)
O(13)-Ho(4)-O(2)	140.9(2)	O(14)-Ho(7)-Ho(5)	119.76(16)
O(38)-Ho(4)-O(27)	138.5(2)	O(11)-Ho(7)-Ho(5)	41.91(17)
O(4)-Ho(4)-O(27)	143.1(2)	O(12)-Ho(7)-Ho(5)	40.96(19)
O(13)-Ho(4)-O(27)	124.4(2)	O(16)-Ho(7)-Ho(5)	161.64(16)
O(2)-Ho(4)-O(27)	76.5(2)	O(13)-Ho(7)-Ho(5)	102.87(15)
O(38)-Ho(4)-O(12)	60.5(2)	O(17)-Ho(7)-Ho(5)	87.49(15)
O(4)-Ho(4)-O(12)	128.7(2)	Ho(2)-Ho(7)-Ho(5)	153.83(3)
O(13)-Ho(4)-O(12)	74.7(2)	O(15)-Ho(7)-Ho(1)	41.13(17)
O(2)-Ho(4)-O(12)	73.5(2)	O(38)-Ho(7)-Ho(1)	159.18(18)
O(27)-Ho(4)-O(12)	87.8(2)	O(14)-Ho(7)-Ho(1)	103.07(15)
O(38)-Ho(4)-O(28)	126.5(2)	O(11)-Ho(7)-Ho(1)	89.38(17)
O(4)-Ho(4)-O(28)	129.1(2)	O(12)-Ho(7)-Ho(1)	122.46(19)
O(13)-Ho(4)-O(28)	73.2(2)	O(16)-Ho(7)-Ho(1)	43.77(15)
O(2)-Ho(4)-O(28)	115.6(2)	O(13)-Ho(7)-Ho(1)	125.97(16)
O(27)-Ho(4)-O(28)	51.3(2)	O(17)-Ho(7)-Ho(1)	41.70(15)
O(12)-Ho(4)-O(28)	70.2(3)	Ho(2)-Ho(7)-Ho(1)	61.059(17)
O(38)-Ho(4)-N(1)	118.8(3)	Ho(5)-Ho(7)-Ho(1)	123.961(18)
O(4)-Ho(4)-N(1)	81.6(2)	O(15)-Ho(7)-Ho(4)	159.50(17)
O(13)-Ho(4)-N(1)	144.1(2)	O(38)-Ho(7)-Ho(4)	40.62(18)
O(2)-Ho(4)-N(1)	71.0(2)	O(14)-Ho(7)-Ho(4)	89.75(15)
O(27)-Ho(4)-N(1)	69.0(3)	O(11)-Ho(7)-Ho(4)	101.87(17)
O(12)-Ho(4)-N(1)	141.1(3)	O(12)-Ho(7)-Ho(4)	44.20(18)
O(28)-Ho(4)-N(1)	112.1(3)	O(16)-Ho(7)-Ho(4)	124.21(16)
O(38)-Ho(4)-N(3)	148.2(2)	O(13)-Ho(7)-Ho(4)	41.96(15)
O(4)-Ho(4)-N(3)	74.2(2)	O(17)-Ho(7)-Ho(4)	125.07(16)
O(13)-Ho(4)-N(3)	86.6(3)	Ho(2)-Ho(7)-Ho(4)	125.771(19)
O(2)-Ho(4)-N(3)	132.5(3)	Ho(5)-Ho(7)-Ho(4)	61.001(14)
O(27)-Ho(4)-N(3)	73.3(2)	Ho(1)-Ho(7)-Ho(4)	157.73(3)



Complex 5

Table S12. Bond lengths (Å) found in **5**

Er(1)-O(6)	2.281(11)	Er(4)-O(3)	2.360(10)
Er(1)-O(13)	2.302(10)	Er(4)-O(26)	2.395(15)
Er(1)-O(16)	2.324(10)	Er(4)-O(9)	2.482(12)
Er(1)-O(7)	2.325(9)	Er(4)-O(24)	2.535(17)
Er(1)-O(5)	2.374(10)	Er(4)-O(20)	2.595(11)
Er(1)-O(31)	2.381(12)	Er(4)-N(20)	2.87(3)
Er(1)-O(15)	2.459(9)	Er(4)-Er(7)	3.4423(14)
Er(1)-O(30)	2.503(11)	Er(5)-O(3)	2.280(9)
Er(1)-O(14)	2.624(11)	Er(5)-O(19)	2.323(9)
Er(1)-N(19)	2.879(18)	Er(5)-O(4)	2.332(10)
Er(1)-Er(7)	3.4487(14)	Er(5)-O(18)	2.347(9)
Er(1)-Er(6)	3.5450(12)	Er(5)-N(13)	2.491(13)
Er(2)-O(8)	2.305(10)	Er(5)-N(15)	2.495(12)
Er(2)-O(7)	2.323(10)	Er(5)-N(18)	2.499(15)
Er(2)-O(13)	2.336(9)	Er(5)-N(16)	2.530(13)
Er(2)-O(12)	2.338(10)	Er(5)-Er(6)	3.8317(13)

Er(2)-N(9)	2.470(14)	Er(5)-Er(7)	3.8429(13)
Er(2)-N(4)	2.501(13)	Er(6)-O(5)	2.318(10)
Er(2)-N(7)	2.523(13)	Er(6)-O(16)	2.348(9)
Er(2)-N(6)	2.524(14)	Er(6)-O(18)	2.368(10)
Er(2)-Er(3)	3.8050(15)	Er(6)-O(4)	2.378(9)
Er(2)-Er(7)	3.8348(13)	Er(6)-O(6)	2.455(10)
Er(3)-O(2)	2.332(13)	Er(6)-O(28)	2.456(10)
Er(3)-O(10)	2.345(12)	Er(6)-N(10)	2.527(12)
Er(3)-O(8)	2.356(10)	Er(6)-O(27)	2.543(12)
Er(3)-O(12)	2.370(11)	Er(6)-N(12)	2.568(12)
Er(3)-O(1)	2.423(11)	Er(6)-N(21)	2.922(14)
Er(3)-N(1)	2.495(14)	Er(6)-Er(7)	3.5322(12)
Er(3)-O(22)	2.505(17)	Er(7)-O(2)	2.318(10)
Er(3)-N(3)	2.533(16)	Er(7)-O(5)	2.341(10)
Er(3)-O(21)	2.573(17)	Er(7)-O(1)	2.356(11)
Er(3)-Er(7)	3.5139(12)	Er(7)-O(6)	2.369(11)
Er(3)-Er(4)	3.5278(14)	Er(7)-O(3)	2.384(11)
Er(4)-O(1)	2.264(12)	Er(7)-O(7)	2.398(11)
Er(4)-O(19)	2.293(10)	Er(7)-O(8)	2.428(11)
Er(4)-O(10)	2.320(11)	Er(7)-O(4)	2.447(10)
Er(4)-O(2)	2.336(11)		

Table S13. Bond angles (°) found in **5**

O(6)-Er(1)-O(13)	91.0(4)	O(26)-Er(4)-O(20)	145.2(5)
O(6)-Er(1)-O(16)	77.1(3)	O(9)-Er(4)-O(20)	69.1(4)
O(13)-Er(1)-O(16)	141.6(4)	O(24)-Er(4)-O(20)	110.2(5)
O(6)-Er(1)-O(7)	82.0(4)	O(1)-Er(4)-N(20)	153.5(5)
O(13)-Er(1)-O(7)	70.8(3)	O(19)-Er(4)-N(20)	95.7(6)
O(16)-Er(1)-O(7)	140.6(3)	O(10)-Er(4)-N(20)	112.1(6)
O(6)-Er(1)-O(5)	62.3(4)	O(2)-Er(4)-N(20)	96.4(7)
O(13)-Er(1)-O(5)	136.0(3)	O(3)-Er(4)-N(20)	77.3(5)
O(16)-Er(1)-O(5)	69.5(3)	O(26)-Er(4)-N(20)	25.1(6)
O(7)-Er(1)-O(5)	71.3(3)	O(9)-Er(4)-N(20)	72.3(5)
O(6)-Er(1)-O(31)	135.9(4)	O(24)-Er(4)-N(20)	26.9(6)
O(13)-Er(1)-O(31)	123.1(4)	O(20)-Er(4)-N(20)	131.7(6)
O(16)-Er(1)-O(31)	88.0(4)	O(1)-Er(4)-Er(7)	42.9(3)

O(7)-Er(1)-O(31)	84.3(4)	O(19)-Er(4)-Er(7)	93.1(2)
O(5)-Er(1)-O(31)	73.7(4)	O(10)-Er(4)-Er(7)	101.5(3)
O(6)-Er(1)-O(15)	131.4(4)	O(2)-Er(4)-Er(7)	42.1(3)
O(13)-Er(1)-O(15)	97.2(4)	O(3)-Er(4)-Er(7)	43.7(3)
O(16)-Er(1)-O(15)	67.0(3)	O(26)-Er(4)-Er(7)	101.4(4)
O(7)-Er(1)-O(15)	145.6(4)	O(9)-Er(4)-Er(7)	167.2(3)
O(5)-Er(1)-O(15)	126.8(3)	O(24)-Er(4)-Er(7)	118.6(4)
O(31)-Er(1)-O(15)	75.7(4)	O(20)-Er(4)-Er(7)	113.2(3)
O(6)-Er(1)-O(30)	155.0(3)	N(20)-Er(4)-Er(7)	111.0(4)
O(13)-Er(1)-O(30)	71.8(4)	O(1)-Er(4)-Er(3)	42.9(3)
O(16)-Er(1)-O(30)	127.6(3)	O(19)-Er(4)-Er(3)	133.1(3)
O(7)-Er(1)-O(30)	75.3(4)	O(10)-Er(4)-Er(3)	41.1(3)
O(5)-Er(1)-O(30)	118.3(4)	O(2)-Er(4)-Er(3)	40.9(3)
O(31)-Er(1)-O(30)	52.5(4)	O(3)-Er(4)-Er(3)	103.2(3)
O(15)-Er(1)-O(30)	70.3(3)	O(26)-Er(4)-Er(3)	103.7(4)
O(6)-Er(1)-O(14)	72.9(4)	O(9)-Er(4)-Er(3)	107.5(3)
O(13)-Er(1)-O(14)	62.2(3)	O(24)-Er(4)-Er(3)	155.7(4)
O(16)-Er(1)-O(14)	79.4(3)	O(20)-Er(4)-Er(3)	90.4(2)
O(7)-Er(1)-O(14)	125.3(3)	N(20)-Er(4)-Er(3)	128.8(6)
O(5)-Er(1)-O(14)	129.5(3)	Er(7)-Er(4)-Er(3)	60.53(3)
O(31)-Er(1)-O(14)	145.0(4)	O(3)-Er(5)-O(19)	70.1(4)
O(15)-Er(1)-O(14)	69.3(4)	O(3)-Er(5)-O(4)	72.9(4)
O(30)-Er(1)-O(14)	112.2(3)	O(19)-Er(5)-O(4)	98.5(4)
O(6)-Er(1)-N(19)	156.6(5)	O(3)-Er(5)-O(18)	96.3(3)
O(13)-Er(1)-N(19)	96.9(4)	O(19)-Er(5)-O(18)	165.5(3)
O(16)-Er(1)-N(19)	108.5(4)	O(4)-Er(5)-O(18)	71.8(3)
O(7)-Er(1)-N(19)	79.9(5)	O(3)-Er(5)-N(13)	165.1(4)
O(5)-Er(1)-N(19)	97.6(4)	O(19)-Er(5)-N(13)	123.7(4)
O(31)-Er(1)-N(19)	27.1(4)	O(4)-Er(5)-N(13)	107.6(4)
O(15)-Er(1)-N(19)	69.5(5)	O(18)-Er(5)-N(13)	70.4(4)
O(30)-Er(1)-N(19)	25.4(4)	O(3)-Er(5)-N(15)	129.8(4)
O(14)-Er(1)-N(19)	130.2(4)	O(19)-Er(5)-N(15)	73.4(4)
O(6)-Er(1)-Er(7)	43.1(3)	O(4)-Er(5)-N(15)	79.9(4)
O(13)-Er(1)-Er(7)	93.8(2)	O(18)-Er(5)-N(15)	114.2(4)
O(16)-Er(1)-Er(7)	101.2(2)	N(13)-Er(5)-N(15)	63.8(4)
O(7)-Er(1)-Er(7)	43.9(3)	O(3)-Er(5)-N(18)	84.0(4)
O(5)-Er(1)-Er(7)	42.6(2)	O(19)-Er(5)-N(18)	108.2(4)
O(31)-Er(1)-Er(7)	102.3(3)	O(4)-Er(5)-N(18)	136.0(4)

O(15)-Er(1)-Er(7)	168.0(2)	O(18)-Er(5)-N(18)	74.3(4)
O(30)-Er(1)-Er(7)	118.1(2)	N(13)-Er(5)-N(18)	86.0(4)
O(14)-Er(1)-Er(7)	112.1(2)	N(15)-Er(5)-N(18)	140.6(4)
N(19)-Er(1)-Er(7)	114.1(4)	O(3)-Er(5)-N(16)	113.9(4)
O(6)-Er(1)-Er(6)	43.5(3)	O(19)-Er(5)-N(16)	68.9(4)
O(13)-Er(1)-Er(6)	133.8(3)	O(4)-Er(5)-N(16)	160.7(4)
O(16)-Er(1)-Er(6)	40.9(2)	O(18)-Er(5)-N(16)	123.2(4)
O(7)-Er(1)-Er(6)	103.1(3)	N(13)-Er(5)-N(16)	70.7(4)
O(5)-Er(1)-Er(6)	40.3(2)	N(15)-Er(5)-N(16)	82.4(4)
O(31)-Er(1)-Er(6)	100.8(3)	N(18)-Er(5)-N(16)	63.2(4)
O(15)-Er(1)-Er(6)	107.8(2)	O(3)-Er(5)-Er(4)	35.9(3)
O(30)-Er(1)-Er(6)	153.2(2)	O(19)-Er(5)-Er(4)	34.5(2)
O(14)-Er(1)-Er(6)	90.8(2)	O(4)-Er(5)-Er(4)	82.4(2)
N(19)-Er(1)-Er(6)	128.0(3)	O(18)-Er(5)-Er(4)	131.4(2)
Er(7)-Er(1)-Er(6)	60.65(3)	N(13)-Er(5)-Er(4)	158.2(3)
O(8)-Er(2)-O(7)	73.3(4)	N(15)-Er(5)-Er(4)	100.2(3)
O(8)-Er(2)-O(13)	99.1(4)	N(18)-Er(5)-Er(4)	100.3(3)
O(7)-Er(2)-O(13)	70.3(3)	N(16)-Er(5)-Er(4)	93.4(3)
O(8)-Er(2)-O(12)	72.1(4)	O(3)-Er(5)-Er(6)	82.5(3)
O(7)-Er(2)-O(12)	95.0(4)	O(19)-Er(5)-Er(6)	133.3(3)
O(13)-Er(2)-O(12)	164.8(4)	O(4)-Er(5)-Er(6)	36.0(2)
O(8)-Er(2)-N(9)	138.2(5)	O(18)-Er(5)-Er(6)	35.8(2)
O(7)-Er(2)-N(9)	83.9(5)	N(13)-Er(5)-Er(6)	89.7(3)
O(13)-Er(2)-N(9)	105.5(4)	N(15)-Er(5)-Er(6)	99.3(3)
O(12)-Er(2)-N(9)	75.7(4)	N(18)-Er(5)-Er(6)	105.5(3)
O(8)-Er(2)-N(4)	107.5(4)	N(16)-Er(5)-Er(6)	157.4(3)
O(7)-Er(2)-N(4)	163.6(4)	Er(4)-Er(5)-Er(6)	108.38(2)
O(13)-Er(2)-N(4)	124.8(4)	O(3)-Er(5)-Er(7)	35.4(3)
O(12)-Er(2)-N(4)	70.3(4)	O(19)-Er(5)-Er(7)	82.9(3)
N(9)-Er(2)-N(4)	85.4(5)	O(4)-Er(5)-Er(7)	37.5(2)
O(8)-Er(2)-N(7)	159.5(4)	O(18)-Er(5)-Er(7)	82.9(2)
O(7)-Er(2)-N(7)	115.5(4)	N(13)-Er(5)-Er(7)	142.9(3)
O(13)-Er(2)-N(7)	69.0(4)	N(15)-Er(5)-Er(7)	107.7(3)
O(12)-Er(2)-N(7)	123.0(4)	N(18)-Er(5)-Er(7)	111.5(3)
N(9)-Er(2)-N(7)	62.3(5)	N(16)-Er(5)-Er(7)	146.2(3)
N(4)-Er(2)-N(7)	69.6(4)	Er(4)-Er(5)-Er(7)	53.58(2)
O(8)-Er(2)-N(6)	81.7(4)	Er(6)-Er(5)-Er(7)	54.81(2)
O(7)-Er(2)-N(6)	132.2(4)	O(5)-Er(6)-O(16)	70.0(3)

O(13)-Er(2)-N(6)	74.5(4)	O(5)-Er(6)-O(18)	77.7(3)
O(12)-Er(2)-N(6)	115.3(4)	O(16)-Er(6)-O(18)	116.8(4)
N(9)-Er(2)-N(6)	137.1(5)	O(5)-Er(6)-O(4)	76.2(3)
N(4)-Er(2)-N(6)	63.2(5)	O(16)-Er(6)-O(4)	142.1(3)
N(7)-Er(2)-N(6)	79.0(4)	O(18)-Er(6)-O(4)	70.6(3)
O(8)-Er(2)-Er(1)	82.3(2)	O(5)-Er(6)-O(6)	60.5(4)
O(7)-Er(2)-Er(1)	35.5(2)	O(16)-Er(6)-O(6)	73.4(3)
O(13)-Er(2)-Er(1)	35.0(3)	O(18)-Er(6)-O(6)	131.1(3)
O(12)-Er(2)-Er(1)	129.8(3)	O(4)-Er(6)-O(6)	75.4(3)
N(9)-Er(2)-Er(1)	99.1(3)	O(5)-Er(6)-O(28)	139.5(3)
N(4)-Er(2)-Er(1)	159.9(3)	O(16)-Er(6)-O(28)	78.1(3)
N(7)-Er(2)-Er(1)	95.0(3)	O(18)-Er(6)-O(28)	140.8(3)
N(6)-Er(2)-Er(1)	102.1(3)	O(4)-Er(6)-O(28)	121.2(4)
O(8)-Er(2)-Er(3)	35.7(3)	O(6)-Er(6)-O(28)	87.1(3)
O(7)-Er(2)-Er(3)	83.5(3)	O(5)-Er(6)-N(10)	121.6(4)
O(13)-Er(2)-Er(3)	133.9(3)	O(16)-Er(6)-N(10)	72.0(3)
O(12)-Er(2)-Er(3)	36.4(3)	O(18)-Er(6)-N(10)	81.7(3)
N(9)-Er(2)-Er(3)	108.6(3)	O(4)-Er(6)-N(10)	143.3(4)
N(4)-Er(2)-Er(3)	88.2(3)	O(6)-Er(6)-N(10)	140.8(4)
N(7)-Er(2)-Er(3)	156.1(3)	O(28)-Er(6)-N(10)	68.3(4)
N(6)-Er(2)-Er(3)	99.3(3)	O(5)-Er(6)-O(27)	125.2(3)
Er(1)-Er(2)-Er(3)	108.58(2)	O(16)-Er(6)-O(27)	116.6(3)
O(8)-Er(2)-Er(7)	37.0(3)	O(18)-Er(6)-O(27)	126.5(3)
O(7)-Er(2)-Er(7)	36.3(3)	O(4)-Er(6)-O(27)	70.5(3)
O(13)-Er(2)-Er(7)	83.8(3)	O(6)-Er(6)-O(27)	69.6(4)
O(12)-Er(2)-Er(7)	81.8(2)	O(28)-Er(6)-O(27)	50.9(3)
N(9)-Er(2)-Er(7)	112.9(4)	N(10)-Er(6)-O(27)	111.0(3)
N(4)-Er(2)-Er(7)	141.8(3)	O(5)-Er(6)-N(12)	149.5(4)
N(7)-Er(2)-Er(7)	148.4(3)	O(16)-Er(6)-N(12)	133.6(4)
N(6)-Er(2)-Er(7)	109.7(3)	O(18)-Er(6)-N(12)	73.8(4)
Er(1)-Er(2)-Er(7)	53.83(2)	O(4)-Er(6)-N(12)	84.2(4)
Er(3)-Er(2)-Er(7)	54.77(2)	O(6)-Er(6)-N(12)	136.2(4)
O(2)-Er(3)-O(10)	70.5(4)	O(28)-Er(6)-N(12)	70.9(4)
O(2)-Er(3)-O(8)	75.8(4)	N(10)-Er(6)-N(12)	64.8(4)
O(10)-Er(3)-O(8)	142.4(4)	O(27)-Er(6)-N(12)	67.1(4)
O(2)-Er(3)-O(12)	76.1(4)	O(5)-Er(6)-N(21)	139.0(3)
O(10)-Er(3)-O(12)	115.2(4)	O(16)-Er(6)-N(21)	98.6(4)
O(8)-Er(3)-O(12)	70.6(3)	O(18)-Er(6)-N(21)	138.0(3)

O(2)-Er(3)-O(1)	59.6(4)	O(4)-Er(6)-N(21)	95.7(4)
O(10)-Er(3)-O(1)	73.1(4)	O(6)-Er(6)-N(21)	78.5(4)
O(8)-Er(3)-O(1)	75.9(3)	O(28)-Er(6)-N(21)	25.5(3)
O(12)-Er(3)-O(1)	129.6(4)	N(10)-Er(6)-N(21)	88.9(4)
O(2)-Er(3)-N(1)	121.5(5)	O(27)-Er(6)-N(21)	25.4(3)
O(10)-Er(3)-N(1)	73.3(5)	N(12)-Er(6)-N(21)	65.2(4)
O(8)-Er(3)-N(1)	141.2(5)	O(5)-Er(6)-Er(7)	40.9(2)
O(12)-Er(3)-N(1)	80.0(4)	O(16)-Er(6)-Er(7)	98.4(2)
O(1)-Er(3)-N(1)	142.7(4)	O(18)-Er(6)-Er(7)	89.8(2)
O(2)-Er(3)-O(22)	139.7(4)	O(4)-Er(6)-Er(7)	43.7(2)
O(10)-Er(3)-O(22)	77.9(5)	O(6)-Er(6)-Er(7)	42.0(2)
O(8)-Er(3)-O(22)	121.9(5)	O(28)-Er(6)-Er(7)	125.4(2)
O(12)-Er(3)-O(22)	141.8(4)	N(10)-Er(6)-Er(7)	162.3(3)
O(1)-Er(3)-O(22)	88.1(4)	O(27)-Er(6)-Er(7)	86.5(2)
N(1)-Er(3)-O(22)	69.5(5)	N(12)-Er(6)-Er(7)	127.6(3)
O(2)-Er(3)-N(3)	148.9(4)	N(21)-Er(6)-Er(7)	107.5(3)
O(10)-Er(3)-N(3)	134.2(4)	O(5)-Er(6)-Er(1)	41.5(2)
O(8)-Er(3)-N(3)	83.3(4)	O(16)-Er(6)-Er(1)	40.4(2)
O(12)-Er(3)-N(3)	75.3(4)	O(18)-Er(6)-Er(1)	116.8(2)
O(1)-Er(3)-N(3)	136.6(5)	O(4)-Er(6)-Er(1)	102.0(2)
N(1)-Er(3)-N(3)	64.7(6)	O(6)-Er(6)-Er(1)	39.7(3)
O(22)-Er(3)-N(3)	71.2(5)	O(28)-Er(6)-Er(1)	98.0(2)
O(2)-Er(3)-O(21)	126.5(4)	N(10)-Er(6)-Er(1)	112.0(3)
O(10)-Er(3)-O(21)	114.3(5)	O(27)-Er(6)-Er(1)	106.0(3)
O(8)-Er(3)-O(21)	73.8(4)	N(12)-Er(6)-Er(1)	168.9(3)
O(12)-Er(3)-O(21)	130.2(4)	N(21)-Er(6)-Er(1)	104.7(2)
O(1)-Er(3)-O(21)	70.9(4)	Er(7)-Er(6)-Er(1)	58.33(3)
N(1)-Er(3)-O(21)	109.7(5)	O(2)-Er(7)-O(5)	122.2(4)
O(22)-Er(3)-O(21)	48.3(5)	O(2)-Er(7)-O(1)	60.8(4)
N(3)-Er(3)-O(21)	66.8(5)	O(5)-Er(7)-O(1)	152.5(4)
O(2)-Er(3)-Er(7)	40.8(3)	O(2)-Er(7)-O(6)	152.8(4)
O(10)-Er(3)-Er(7)	98.9(3)	O(5)-Er(7)-O(6)	61.5(4)
O(8)-Er(3)-Er(7)	43.5(3)	O(1)-Er(7)-O(6)	130.4(4)
O(12)-Er(3)-Er(7)	88.8(2)	O(2)-Er(7)-O(3)	71.3(4)
O(1)-Er(3)-Er(7)	41.9(3)	O(5)-Er(7)-O(3)	77.2(3)
N(1)-Er(3)-Er(7)	161.6(4)	O(1)-Er(7)-O(3)	78.8(4)
O(22)-Er(3)-Er(7)	126.0(4)	O(6)-Er(7)-O(3)	131.4(3)
N(3)-Er(3)-Er(7)	126.5(4)	O(2)-Er(7)-O(7)	78.1(3)

O(21)-Er(3)-Er(7)	88.7(3)	O(5)-Er(7)-O(7)	70.6(3)
O(2)-Er(3)-Er(4)	41.0(3)	O(1)-Er(7)-O(7)	131.9(3)
O(10)-Er(3)-Er(4)	40.6(3)	O(6)-Er(7)-O(7)	78.7(4)
O(8)-Er(3)-Er(4)	102.0(3)	O(3)-Er(7)-O(7)	111.9(4)
O(12)-Er(3)-Er(4)	114.2(3)	O(2)-Er(7)-O(8)	74.7(4)
O(1)-Er(3)-Er(4)	39.5(3)	O(5)-Er(7)-O(8)	131.6(3)
N(1)-Er(3)-Er(4)	113.1(4)	O(1)-Er(7)-O(8)	75.8(4)
O(22)-Er(3)-Er(4)	98.9(3)	O(6)-Er(7)-O(8)	84.2(3)
N(3)-Er(3)-Er(4)	170.1(3)	O(3)-Er(7)-O(8)	144.4(3)
O(21)-Er(3)-Er(4)	106.3(3)	O(7)-Er(7)-O(8)	69.8(4)
Er(7)-Er(3)-Er(4)	58.53(3)	O(2)-Er(7)-O(4)	131.3(3)
O(2)-Er(3)-Er(2)	73.4(3)	O(5)-Er(7)-O(4)	74.4(3)
O(10)-Er(3)-Er(2)	139.2(3)	O(1)-Er(7)-O(4)	84.6(3)
O(8)-Er(3)-Er(2)	34.8(3)	O(6)-Er(7)-O(4)	75.7(3)
O(12)-Er(3)-Er(2)	35.8(2)	O(3)-Er(7)-O(4)	69.1(3)
O(1)-Er(3)-Er(2)	104.1(2)	O(7)-Er(7)-O(4)	143.5(3)
N(1)-Er(3)-Er(2)	111.9(3)	O(8)-Er(7)-O(4)	131.7(4)
O(22)-Er(3)-Er(2)	142.7(4)	O(2)-Er(7)-Er(4)	42.5(3)
N(3)-Er(3)-Er(2)	76.2(3)	O(5)-Er(7)-Er(4)	119.7(2)
O(21)-Er(3)-Er(2)	102.1(4)	O(1)-Er(7)-Er(4)	40.8(3)
Er(7)-Er(3)-Er(2)	63.05(2)	O(6)-Er(7)-Er(4)	163.7(3)
Er(4)-Er(3)-Er(2)	112.96(3)	O(3)-Er(7)-Er(4)	43.2(2)
O(1)-Er(4)-O(19)	90.9(4)	O(7)-Er(7)-Er(4)	117.5(2)
O(1)-Er(4)-O(10)	76.6(4)	O(8)-Er(7)-Er(4)	102.8(2)
O(19)-Er(4)-O(10)	140.7(4)	O(4)-Er(7)-Er(4)	88.8(2)
O(1)-Er(4)-O(2)	61.8(4)	O(2)-Er(7)-Er(1)	119.9(3)
O(19)-Er(4)-O(2)	134.8(3)	O(5)-Er(7)-Er(1)	43.4(2)
O(10)-Er(4)-O(2)	70.8(4)	O(1)-Er(7)-Er(1)	163.4(3)
O(1)-Er(4)-O(3)	81.2(4)	O(6)-Er(7)-Er(1)	41.2(3)
O(19)-Er(4)-O(3)	69.3(3)	O(3)-Er(7)-Er(1)	117.6(3)
O(10)-Er(4)-O(3)	141.8(4)	O(7)-Er(7)-Er(1)	42.3(2)
O(2)-Er(4)-O(3)	71.4(3)	O(8)-Er(7)-Er(1)	88.3(2)
O(1)-Er(4)-O(26)	136.5(5)	O(4)-Er(7)-Er(1)	103.1(2)
O(19)-Er(4)-O(26)	120.1(5)	Er(4)-Er(7)-Er(1)	151.81(5)
O(10)-Er(4)-O(26)	92.7(5)	O(2)-Er(7)-Er(3)	41.1(3)
O(2)-Er(4)-O(26)	74.8(6)	O(5)-Er(7)-Er(3)	157.8(2)
O(3)-Er(4)-O(26)	82.5(4)	O(1)-Er(7)-Er(3)	43.4(3)
O(1)-Er(4)-O(9)	132.0(4)	O(6)-Er(7)-Er(3)	125.0(2)

O(19)-Er(4)-O(9)	98.9(4)	O(3)-Er(7)-Er(3)	103.1(2)
O(10)-Er(4)-O(9)	66.4(4)	O(7)-Er(7)-Er(3)	89.3(2)
O(2)-Er(4)-O(9)	126.2(4)	O(8)-Er(7)-Er(3)	41.9(2)
O(3)-Er(4)-O(9)	146.0(4)	O(4)-Er(7)-Er(3)	126.8(2)
O(26)-Er(4)-O(9)	76.3(5)	Er(4)-Er(7)-Er(3)	60.94(3)
O(1)-Er(4)-O(24)	154.1(5)	Er(1)-Er(7)-Er(3)	124.48(3)
O(19)-Er(4)-O(24)	69.9(5)	O(2)-Er(7)-Er(6)	157.2(3)
O(10)-Er(4)-O(24)	129.3(5)	O(5)-Er(7)-Er(6)	40.5(2)
O(2)-Er(4)-O(24)	120.0(6)	O(1)-Er(7)-Er(6)	125.8(3)
O(3)-Er(4)-O(24)	75.8(5)	O(6)-Er(7)-Er(6)	43.9(2)
O(26)-Er(4)-O(24)	52.0(6)	O(3)-Er(7)-Er(6)	88.1(2)
O(9)-Er(4)-O(24)	70.2(5)	O(7)-Er(7)-Er(6)	101.9(2)
O(1)-Er(4)-O(20)	74.0(4)	O(8)-Er(7)-Er(6)	127.1(3)
O(19)-Er(4)-O(20)	63.6(3)	O(4)-Er(7)-Er(6)	42.2(2)
O(10)-Er(4)-O(20)	77.2(4)	Er(4)-Er(7)-Er(6)	124.89(3)
O(2)-Er(4)-O(20)	129.8(4)	Er(1)-Er(7)-Er(6)	61.02(2)
O(3)-Er(4)-O(20)	125.5(3)	Er(3)-Er(7)-Er(6)	160.15(4)