

## Supporting Information

Table S1 Hydrogen bond distances [Å] and angles [°].  
 (D, donor atom; A, acceptor atom).

D-H	d(D-H)	d(H...A)	<DHA	d(D...A)	A
<b>1<sup>I</sup></b>					
O1-H1	0.820	1.677	160.79	2.466	O3 <sup>a</sup>
O5-H5	0.820	1.763	149.99	2.506	O8 <sup>b</sup>
O9-H9B	0.850	1.956	164.61	2.785	O6 <sup>c</sup>
O9-H9C	0.850	1.923	153.84	2.712	O13 <sup>d</sup>
O10-H10A	0.850	2.096	147.31	2.848	O15 <sup>e</sup>
O10-H10B	0.850	2.121	133.97	2.780	O13 <sup>f</sup>
O11-H11A	0.850	2.060	156.26	2.859	O6 <sup>g</sup>
O11-H11B	0.850	1.862	154.24	2.653	O7 <sup>h</sup>
O12-H12A	0.850	2.191	138.19	2.881	O15 <sup>i</sup>
O12-H12B	0.850	2.093	145.35	2.834	O9 <sup>j</sup>
O13-H13A	0.850	1.915	160.82	2.732	O8 <sup>g</sup>
O13-H13C	0.850	1.965	158.03	2.772	O14 <sup>j</sup>
O14-H14A	0.850	1.889	160.06	2.703	O7
O14-H14C	0.850	2.357	145.03	3.092	O1
O15-H15A	0.850	2.057	158.66	2.865	O3 <sup>g</sup>
O15-H15C	0.850	2.028	155.89	2.825	O14 <sup>k</sup>
<b>2<sup>II</sup></b>					
O(9)-H(9A)	0.85	2.28	150.6	3.047(4)	O(17) <sup>a</sup>
O(12)-H(12C)	0.85	1.99	156.8	2.791(4)	O(13) <sup>b</sup>
O(12)-H(12B)	0.85	2.11	147.6	2.862(4)	O(16)
O(13)-H(13D)	0.85	1.97	139.8	2.680(4)	O(4)
O(13)-H(13B)	0.85	1.99	144.4	2.727(4)	O(14) <sup>c</sup>
O(14)-H(14A)	0.85	1.83	173.2	2.672(4)	O(5) <sup>d</sup>
O(15)-H(15A)	0.85	1.90	175.9	2.747(4)	O(8) <sup>e</sup>
O(16)-H(16C)	0.85	1.77	164.3	2.603(5)	O(16) <sup>f</sup>
O(17)-H(17B)	0.85	2.24	144.8	2.972(4)	O(15) <sup>g</sup>
<b>3<sup>III</sup></b>					
O(9)-H(9B)	0.85	2.04	153.7	2.830(5)	O(16)
O(10)-H(10A)	0.85	2.03	165.2	2.861(5)	O(16)
O(14)-H(14A)	0.85	2.07	147.9	2.824(5)	O(4)
O(9)-H(9A)	0.85	1.95	166.1	2.781(5)	O(7) <sup>a</sup>
O(10)-H(10B)	0.85	1.95	158.8	2.761(5)	O(12) <sup>b</sup>
O(11)-H(11A)	0.85	1.96	140.7	2.676(5)	O(6) <sup>c</sup>
O(11)-H(11B)	0.85	2.55	161.7	3.365(5)	O(17) <sup>d</sup>
O(12)-H(12A)	0.85	1.88	170.0	2.721(5)	O(3) <sup>e</sup>
O(16)-H(16A)	0.85	2.39	132.2	3.031(5)	O(13) <sup>e</sup>
O(16)-H(16C)	0.85	2.42	136.4	3.095(5)	O(14) <sup>e</sup>
O(12)-H(12B)	0.85	1.91	150.5	2.687(5)	O(1)d

O(13)-H(13B)	0.85	2.39	168.8	3.230(5)	O(17) <sup>f</sup>
O(15)-H(15A)	0.85	1.96	162.3	2.783(5)	O(17) <sup>f</sup>
O(13)-H(13A)	0.82	2.04	163.9	2.841(5)	O(9) <sup>g</sup>
O(14)-H(14B)	0.85	2.24	140.9	2.946(5)	O(4) <sup>h</sup>
O(15)-H(15B)	0.85	2.18	155.7	2.979(5)	O(3) <sup>h</sup>
O(17)-H(17A)	0.85	2.00	171.8	2.843(4)	O(8) <sup>i</sup>
O(17)-H(17B)	0.85	2.28	136.9	2.961(5)	O(10) <sup>j</sup>
<b>4<sup>IV</sup></b>					
O(8)-H(8E)	0.85	1.85	132.6	2.500(8)	O(10)
O(5)-H(5A)	0.85	2.45	129.0	3.054(6)	O(9) <sup>a</sup>
O(5)-H(5B)	0.85	2.07	168.7	2.904(7)	O(6) <sup>b</sup>
O(6)-H(6A)	0.96	1.74	168.5	2.691(6)	O(2) <sup>c</sup>
O(6)-H(6B)	0.96	1.97	134.7	2.730(6)	O(4) <sup>d</sup>
O(8)-H(8C)	0.96	2.00	150.3	2.877(6)	O(4) <sup>d</sup>
O(7)-H(7B)	0.85	1.94	162.2	2.759(6)	O(1) <sup>e</sup>
O(7)-H(7C)	0.85	2.01	154.0	2.799(7)	O(5) <sup>f</sup>
<b>5<sup>V</sup></b>					
O(6)-H(6A)	0.91	1.75	164.0	2.635(3)	O(5) <sup>a</sup>
O(8)-H(8)	0.89	1.76	167.0	2.635(3)	O(1) <sup>b</sup>
O(9)-H(9B)	0.85	2.14	146.9	2.887(4)	O(1) <sup>c</sup>
O(9)-H(9C)	0.85	2.03	157.9	2.839(4)	O(4) <sup>d</sup>
O(10)-H(10C)	0.85	2.35	142.4	3.069(2)	O(8)
O(10)-H(10D)	0.85	2.52	123.4	3.069(2)	O(8) <sup>b</sup>
<b>6<sup>VI</sup></b>					
O2-H2A	0.820	1.815	170.13	2.627	O5 <sup>a</sup>
O3-H3	0.820	1.806	177.63	2.626	O4 <sup>b</sup>
O9-H9A	0.850	2.355	125.74	2.934	O5 <sup>c</sup>
O9-H9B	0.850	2.021	169.39	2.860	O8 <sup>d</sup>
O10-H10C	0.850	2.459	128.86	3.065	O2
O10-H10B	0.850	2.432	131.85	3.065	O2 <sup>a</sup>

<sup>I</sup> Symmetry codes: <sup>a</sup> -x+2, y-1/2, -z+3/2; <sup>b</sup> -x+2, y+1/2, -z+1/2; <sup>c</sup> x+1/2, -y+1/2, -z+1; <sup>d</sup> x+1, y, z; <sup>e</sup> x+1, y, z+1; <sup>f</sup> x+1/2, -y+1/2, -z+2; <sup>g</sup> x-1/2, -y+1/2, -z+1; <sup>h</sup> -x+3/2, -y, z+1/2; <sup>i</sup> x-1/2, -y+1/2, -z+2; <sup>j</sup> -x+1, y+1/2, -z+3/2; <sup>k</sup> -x+3/2, -y, z-1/2.

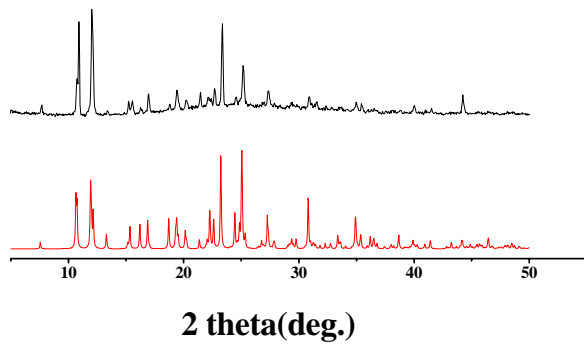
<sup>II</sup> Symmetry codes: <sup>a</sup> x, y-1, z-1; <sup>b</sup> x-1/2, y-1/2, z; <sup>c</sup> x, y, z-1; <sup>d</sup> x, y, z+1; <sup>e</sup> x, y+1, z; <sup>f</sup> -x, y, -z+1/2; <sup>g</sup> -x+1/2, -y+3/2, -z+1.

<sup>III</sup> Symmetry codes: <sup>a</sup> x-1, -y+1/2, z-1/2; <sup>b</sup> -x, y+1/2, -z+1/2; <sup>c</sup> -x, -y+1, -z+1; <sup>d</sup> -x, y-1/2, -z+1/2; <sup>e</sup> -y+1/2, z-1/2; <sup>f</sup> x-1, y-1, z; <sup>g</sup> -x-1, y-1/2, -z+1/2; <sup>h</sup> -x, -y, -z+1; <sup>i</sup> -x+1, y+1/2, -z+1/2; <sup>j</sup> x+1, y, z.

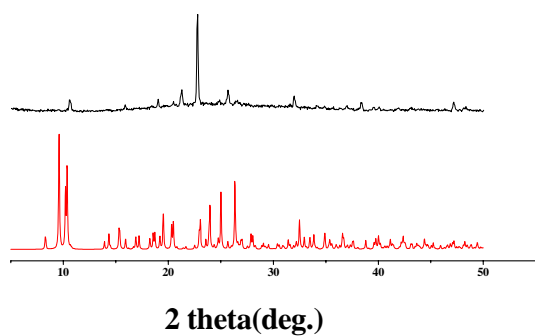
<sup>IV</sup> Symmetry codes: <sup>a</sup> x-1, y-1, z; <sup>b</sup> -y, z-1/2; <sup>c</sup> -x+1/2, -y+1/2, -z+1; <sup>d</sup> x+1/2, y-1/2, z+1; <sup>e</sup> -x, y, -z+1/2; <sup>f</sup> x, -y, z+1/2.

<sup>V</sup> Symmetry codes: <sup>a</sup> -x+2, -y+2, -z; <sup>b</sup> -x, -y+1, -z; <sup>c</sup> x, y+1, z-1; <sup>d</sup> x, y, z-1.

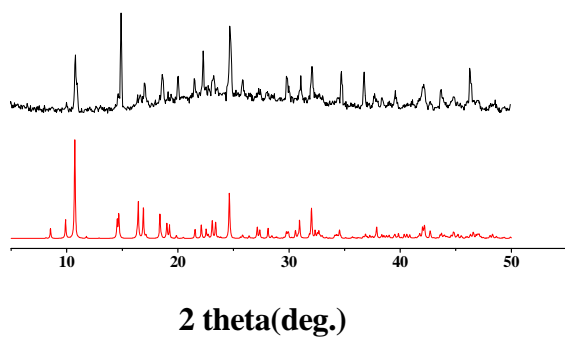
<sup>VI</sup> Symmetry codes: <sup>a</sup> -x+1, -y+1, -z; <sup>b</sup> -x+3, -y+2, -z; <sup>c</sup> -x+1, -y, -z+1; <sup>d</sup> -x+1, -y+1, -z+1.



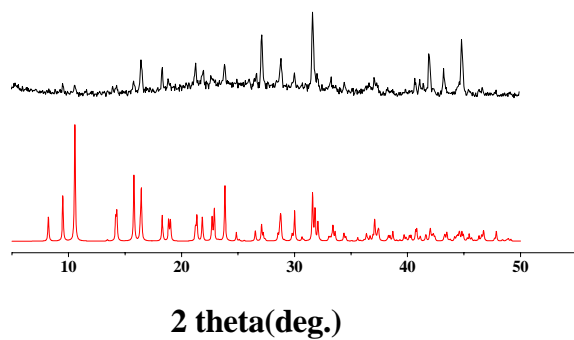
(a)



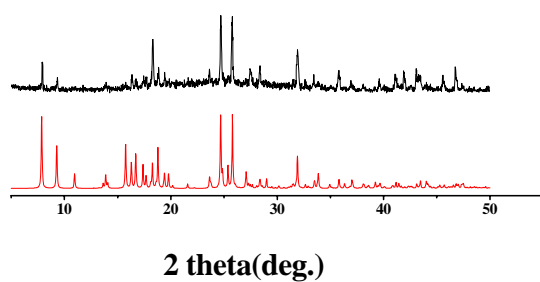
(b)



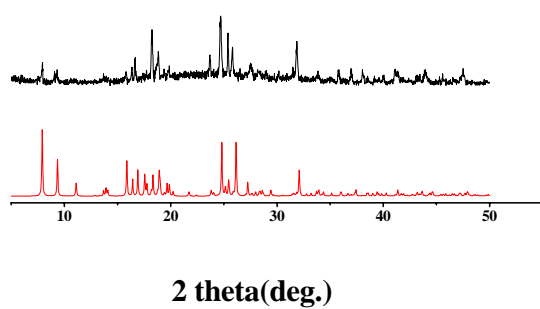
(c)



(d)



(e)



(f)

Figure S1 X-ray powder diffraction diagram of complexes **1-6** (a-f). Red: simulated figure; black: experimental data.

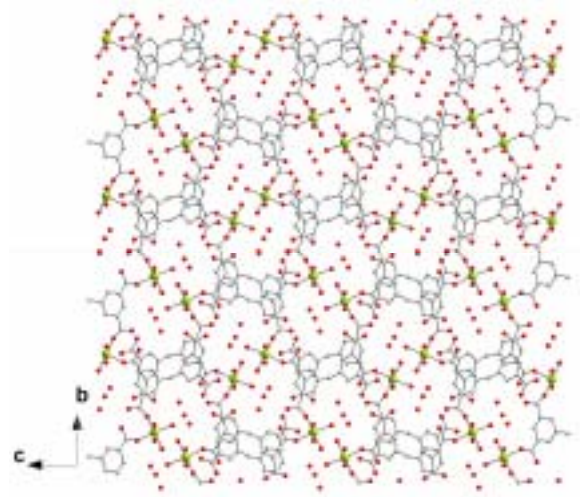
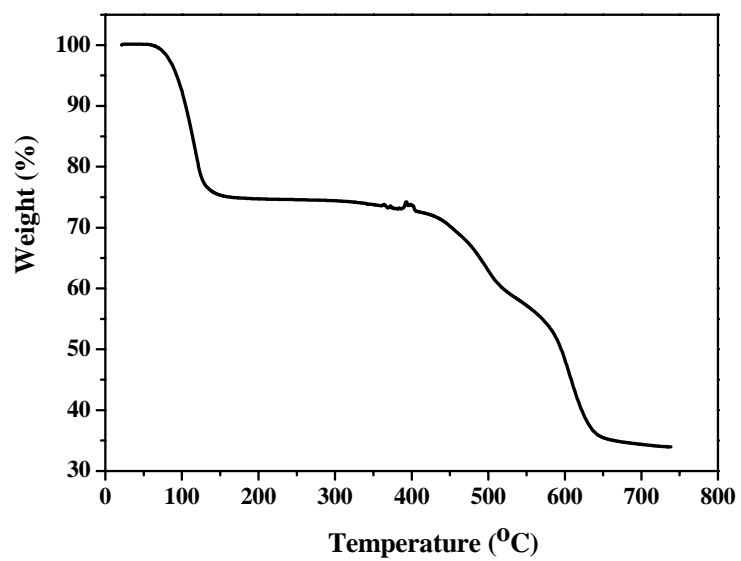
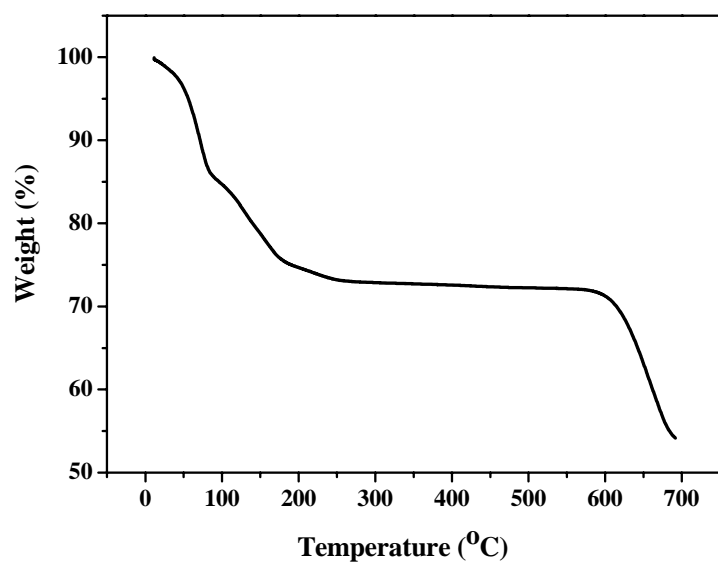


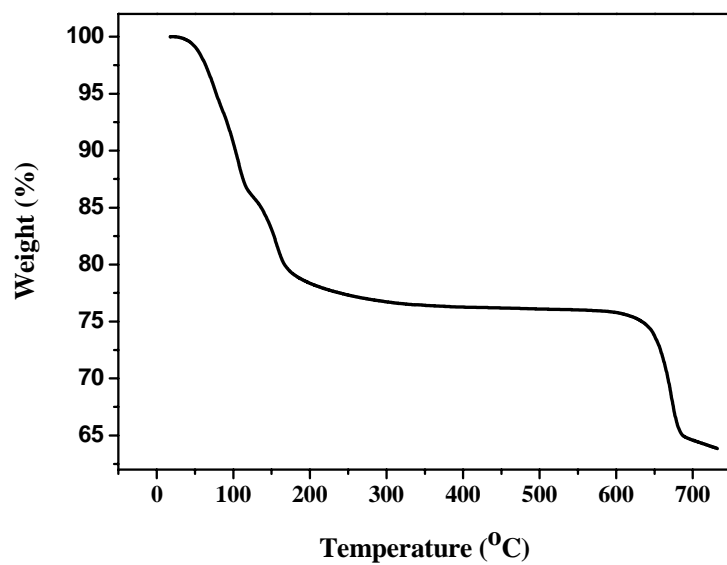
Figure S2 The adjacent layers stacking along *bc* plane of complex **1**.



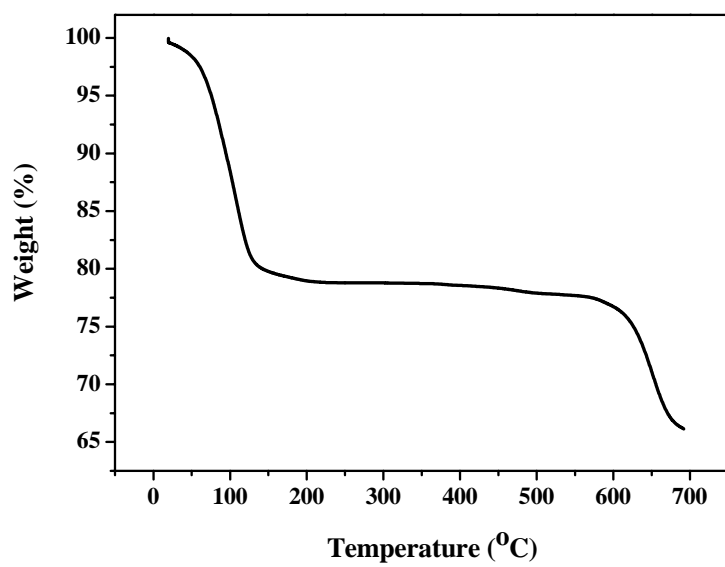
(a)



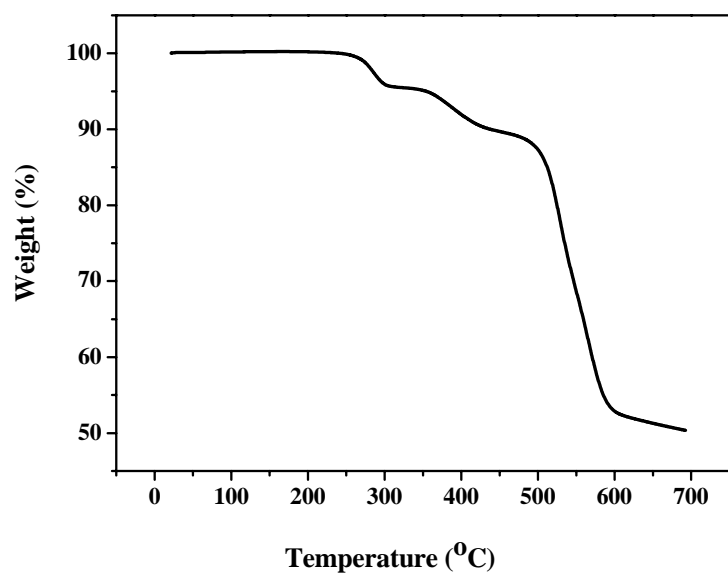
(b)



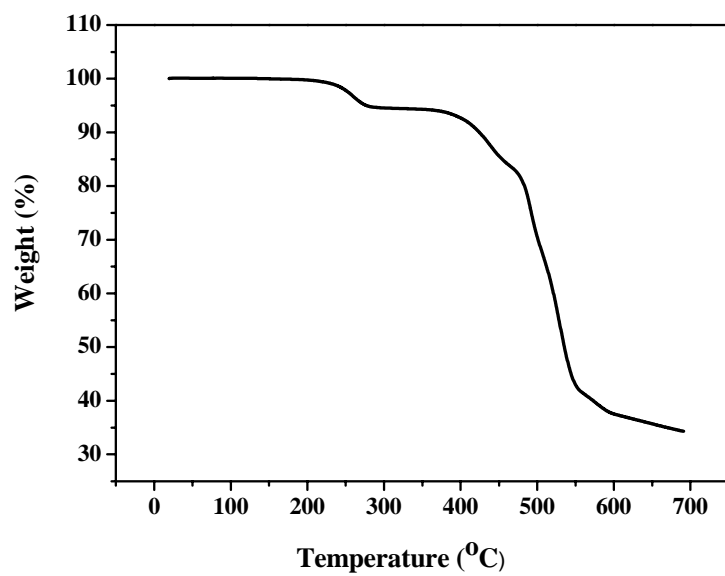
(c)



(d)



(e)



(f)

Figure S3 The TG curves of complexes **1-6** (a-f).