Table S1 Hydrogen bond geometry parameters (Å, °) for complex **1**

D-H···A	d(D-H)	d(H···A)	d(D···A)	<(DHA)
O(1)-H(1A)···O(10)	0.85	2.05	2.892(3)	170.6
O(2)-H(2A)···O(18)#3	0.85	2.04	2.882(3)	169.8
O(3)-H(3A)···O(10)	0.85	1.88	2.724(3)	173.1
O(4)-H(4A)···O(13)#3	0.85	2.18	3.023(3)	175.3
O(13)-H(13A)···O(7)#4	0.85	1.86	2.652(4)	153.6
O(13)-H(13B)···O(17)	0.85	2.37	3.037(6)	135.2
O(13)-H(13B)···O(15)	0.85	2.40	2.853(4)	114.0
O(14)-H(14A)···O(3)	0.85	1.92	2.750(3)	166.5
O(14)-H(14B)···O(20)#2	0.85	1.98	2.784(4)	156.6
O(15)-H(15B)···O(11)	0.85	1.98	2.799(4)	161.8
O(16)-H(16A)···O(9)	0.85	1.90	2.735(4)	168.1
O(16)-H(16B)···O(14)	0.85	2.25	2.895(4)	133.0
O(17)-H(17A)···O(12)	0.85	1.94	2.790(6)	177.3
O(18)-H(18A)···O(12)	0.85	1.92	2.743(4)	164.1
O(18)-H(18B)···O(22)#5	0.85	1.94	2.777(5)	167.9
O(19)-H(19A)···O(14)#1	0.85	2.18	3.008(4)	166.3
O(19)-H(19B)···O(16)#6	0.85	2.15	2.882(4)	144.8
O(20)-H(20B)···N(10)	0.85	2.11	2.951(5)	168.3
O(20)-H(20A)···O(21)#1	0.85	2.31	2.849(7)	121.1
O(21)-H(21A)···O(15)	0.85	2.51	3.061(7)	123.0
O(22)-H(22A)···O(21)#3	0.85	2.49	2.965(8)	116.0
#1 x, y-1, z #2 x, y+1, z #3 x-1, y, z #4 x+1, y, z #5 x+1, y-1, z #6 -x+2, -y+1, -z				

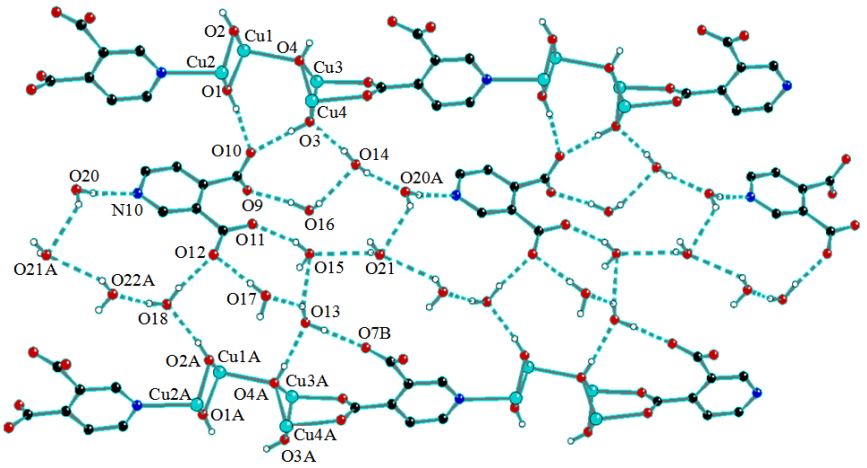
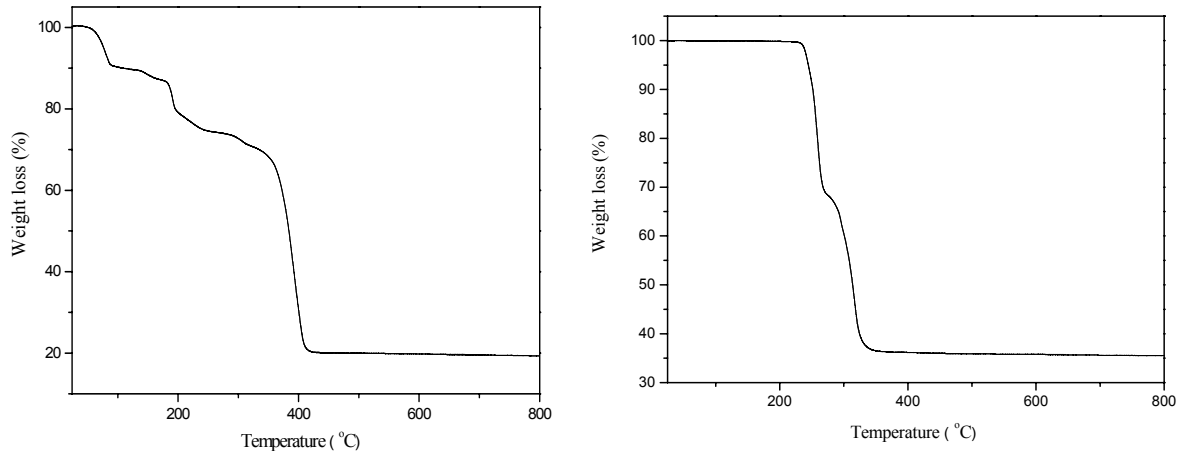


Fig. S1 Hydrogen bonds between two 1-D chains in complex **1**, phen molecules and H atoms in PDC are omitted for clarity.



a b

Fig.S2 TG curves of complexes 1(a) and 4 (b).