Supporting information

Table S1 Selected bond distances (Å) and angles (°) for **1**

Pb(1)-N(6)#1	2.666(6)	Pb(1)-N(1) #2	2.793(6)
Pb(1)-N(4)#3	2.402(6)	Pb(1)-N(6)#4	2.666(6)
Pb(1)-N(1)#5	2.793(6)	Pb(1)-N(1)#3	2.567(6)
C(2)-N(6)-Pb(1)#1	134.1(4)	N(7)-N(6)-Pb(1)#1	120.5(4)
C(1)-N(1)-Pb(1)#2	126.5(4)	N(2)-N(1)-Pb(1)#2	123.0(4)
N(4)#3-Pb(1)-N(9)	70.36(18)	N(4)#3-Pb(1)-N(6)#4	77.61(18)
N(9)-Pb(1)-N(6)#4	70.87(18)	N(4)#3-Pb(1)-O(1)	79.53(18)
N(9)-Pb(1)-O(1)	134.28(17)	N(6)#4-Pb(1)-O(1)	69.59(17)
N(4)#3-Pb(1)-N(3)	89.20(18)	N(9)-Pb(1)-N(3)	141.37(18)
N(6)#4-Pb(1)-N(3)	137.77(18)	O(1)-Pb(1)-N(3)	68.61(17)
N(4)#3-Pb(1)-N(1)#5	93.73(18)	N(9)-Pb(1)-N(1)#5	74.69(17)
N(6)#4-Pb(1)-N(1)#5	145.43(18)	O(1)-Pb(1)-N(1)#5	142.37(17)
N(3)-Pb(1)-N(1)#5	74.37(17)		

Symmetry transformations used to generate equivalent atoms:
#1 -x+1,y-1/2,-z+5/2; #2 -x,y+1/2,-z+3/2; #3 -x,-y,-z+2; #4 -x+1,y+1/2,-z+5/2. #5 -x,y-1/2,-z+3/2

Table S2 Selected bond distances (Å) and angles (°) for **2**

Pb(1)-O(5)	2.371(6)	Pb(1)-O(3)	2.485(6)
Pb(1)-O(2)	2.536(7)	Pb(1)-N(18)	2.573(7)
Pb(1)-O(4)	2.593(7)	Pb(1)-H(5B)	2.186
Cu(1)-N(6)	2.003(7)	Cu(1)-N(14)	2.197(12)
Cu(1)-N(5)	2.014(7)	Cu(1)-N(15)	2.019(7)
Cu(1)-O(1)	2.203(8)		
O(5)-Pb(1)-O(3)	73.5(2)	O(5)-Pb(1)-O(2)	79.4(2)
O(3)-Pb(1)-O(2)	83.3(2)	O(5)-Pb(1)-N(18)	73.1(2)
O(3)-Pb(1)-N(18)	144.7(2)	O(2)-Pb(1)-N(18)	79.6(2)
O(5)-Pb(1)-O(4)	73.7(2)	O(3)-Pb(1)-O(4)	89.7(2)
O(2)-Pb(1)-O(4)	153.1(2)	N(18)-Pb(1)-O(4)	91.7(2)
O(4)-Pb(1)-H(5B)	94.0	N(6)-Cu(1)-N(14)	173.4(3)
N(6)-Cu(1)-N(5)	86.5(3)	N(14)-Cu(1)-N(5)	97.7(4)
N(6)-Cu(1)-N(15)	94.1(3)	N(14)-Cu(1)-N(15)	86.8(3)
N(5)-Cu(1)-N(15)	134.5(3)	N(6)-Cu(1)-O(1)	86.3(3)
N(14)-Cu(1)-O(1)	87.2(3)	N(5)-Cu(1)-O(1)	117.3(4)
N(15)-Cu(1)-O(1)	108.0(5)		

Table S3 Hydrogen bonding interactions in **2**

D—H···A	H···A (Å)	D···A (Å)	D—H···A (Å)	D—H···A (°)
N(1)-H(1)...N(16)#1	0.86	2.06	2.902(10)	164.4
O(6)-H(6A)...N(12)#2	0.85	2.15	2.917(11)	150.9
O(5)-H(5A)...N(2)#3	0.85	2.18	2.831(10)	133.5
O(7)-H(7A)...N(13)#2	0.85	2.13	2.927(10)	157.6
O(7)-H(7B)...N(3)#3	0.84	1.96	2.786(9)	165.7
O(2)-H(2A)...N(4)#4	0.85	2.19	2.848(10)	133.9
O(3)-H(3A)...O(7)#5	0.85	2.04	2.742(9)	139.7
O(4)-H(4B)...N(7)#6	0.85	2.03	2.881(11)	179.8
O(1)-H(1A)...N(11)#2	0.85	2.02	2.858(10)	170.5
O(4)-H(4A)...N(17)#7	0.85	2.02	2.840(10)	162.8
N(1)-H(1)...N(16)#1	0.86	2.06	2.902(10)	164.4
N(10)-H(2)...O(2)	0.86	2.06	2.877(9)	159.2
O(2)-H(2A)...N(13)#4	0.85	2.40	3.080(10)	137.7
O(2)-H(2A)...N(4)#4	0.85	2.19	2.848(10)	133.9
O(2)-H(2B)...O(7)	0.85	1.97	2.670(9)	139.4
O(5)-H(5A)...N(2)#3	0.85	2.18	2.831(10)	133.5
O(5)-H(5A)...N(3)#3	0.85	2.61	3.437(10)	164.5
O(5)-H(5B)...O(6)	0.85	2.02	2.681(9)	133.7
O(3)-H(3A)...O(7)#5	0.85	2.04	2.742(9)	139.7
O(3)-H(3B)...N(8)#6	0.85	2.28	2.748(10)	114.9
O(4)-H(4A)...N(17)#7	0.85	2.02	2.840(10)	162.8
O(4)-H(4A)...N(16)#7	0.85	2.67	3.499(10)	165.5
O(4)-H(4B)...N(7)#6	0.85	2.03	2.881(11)	179.8
O(6)-H(6A)...N(12)#2	0.85	2.15	2.917(11)	150.9
O(7)-H(7A)...N(13)#2	0.85	2.13	2.927(10)	157.6
O(7)-H(7B)...N(3)#3	0.84	1.96	2.786(9)	165.7
O(6)-H(6B)...O(4)#6	0.85	2.17	2.962(11)	154.1

Symmetry transformations used to generate equivalent atoms:
#1 -x+1,-y,-z+1; #2 -x+1,-y+1,-z+2; #3 x,y+1,z; #4 -x+2,-y+1,-z+2; #5 -x+2,-y+2,-z+2; #6 -x+1,-y+1,-z+1; #7 -x+2,-y+1,-z+1.

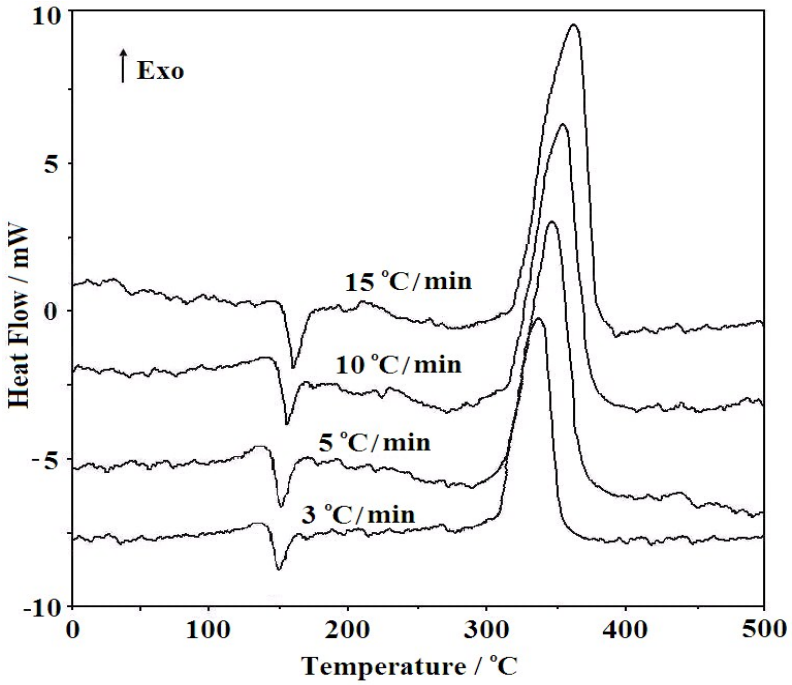

Figure S1. DSC curves of **1** at four different heating rate.

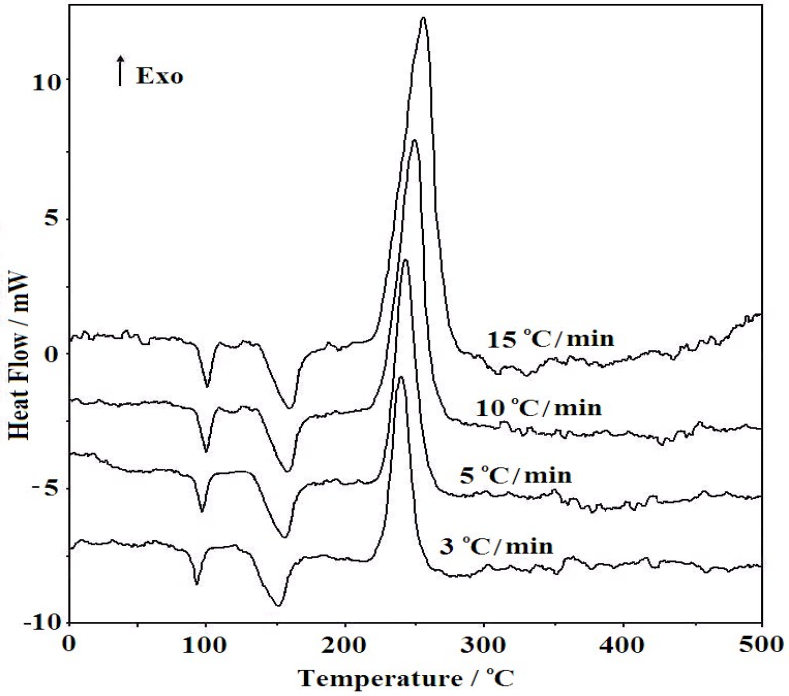

Figure S2. DSC curves of **2** at four different heating rate.