

# Coordination Assemblies of Two Zn(II) Coordination Polymers: Positional Isomeric Effect and Luminescent Property

**Table S1** Selected bond lengths [ $\text{\AA}$ ] and bond angles [ $^\circ$ ] for CPs **1** and **2**

**1**

Zn(1)-O(1)	2.0067(18)	Zn(1)-N(1)	2.009(2)
O(1)-Zn(1)-O(1)#1	89.98(11)	O(1)-Zn(1)-N(1)#1	107.67(8)
O(1)-Zn(1)-N(1)	121.23(8)	N(1)#1-Zn(1)-N(1)	108.94(12)

**2**

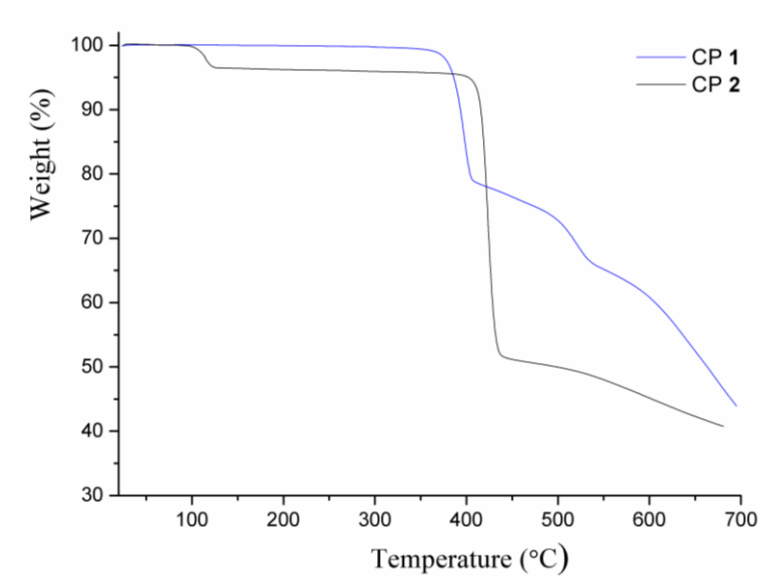
Zn(1)-O(3)#2	1.9652(15)	Zn(1)-O(1)	1.9669(14)
Zn(1)-N(3)	2.0193(17)	Zn(1)-N(1)	2.0207(16)
O(3)#2-Zn(1)-O(1)	109.18(6)	O(3)#2-Zn(1)-N(3)	112.37(7)
O(1)-Zn(1)-N(3)	107.27(7)	O(3)#2-Zn(1)-N(1)	118.92(7)
O(1)-Zn(1)-N(1)	99.30(6)	N(3)-Zn(1)-N(1)	108.52(7)

symmetry codes: #1  $x, -y+1/2, -z+1/2$ , #2  $-x+1, -y+1, -z$ .

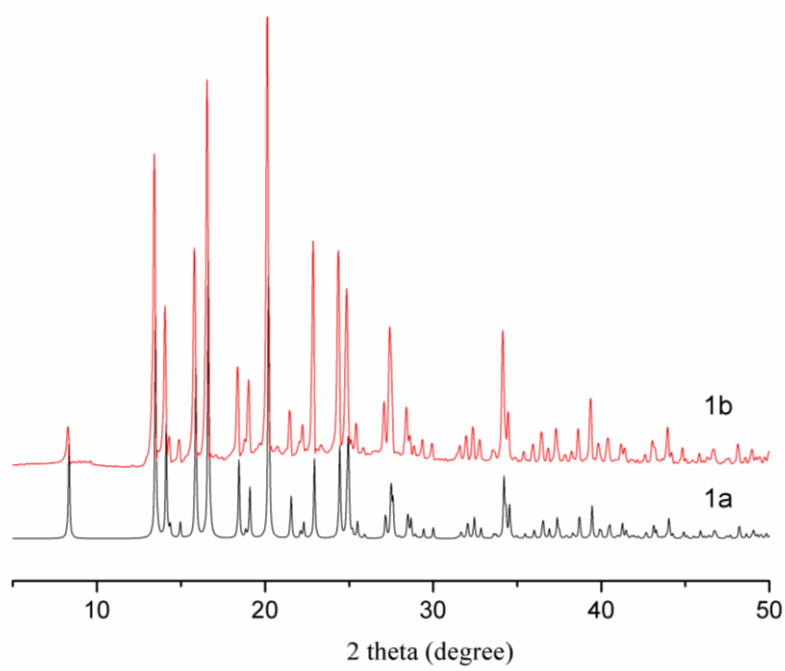
**Table S2.** Hydrogen Bond Lengths ( $\text{\AA}$ ) and Bond Angles ( $^\circ$ ) for **1** and **2**

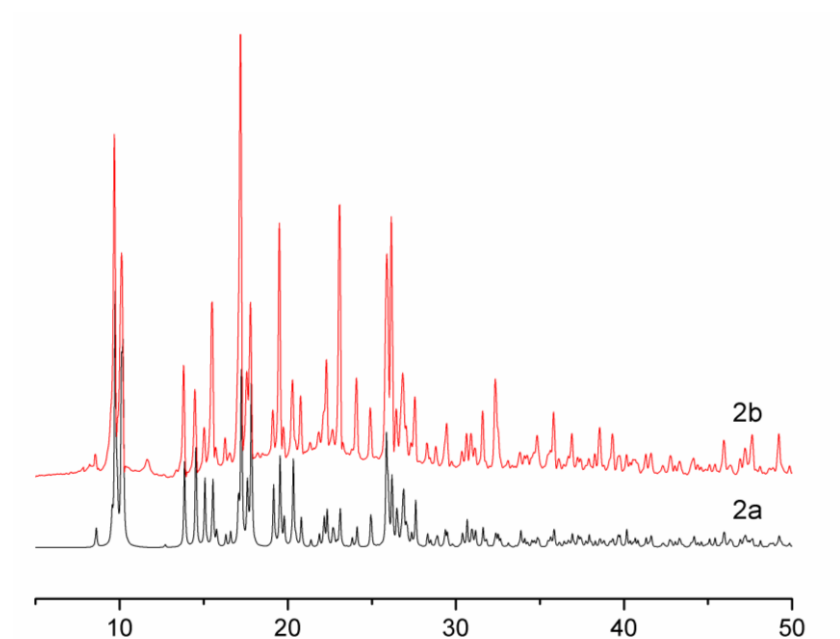
CPs	D-H $\cdots$ A	d(D-H)	d(H $\cdots$ A)	d(D $\cdots$ A)	$\angle$ DHA
<b>1</b>	N(2)-H(2) $\cdots$ O(1) <sup>a</sup>	0.8600	2.0800	2.931(3)	170.00
	C(6)-H(6) $\cdots$ O(2)	0.9300	2.3900	3.014(3)	125.00
	N(2)-H(2) $\cdots$ O(5) <sup>b</sup>	0.8600	2.0800	2.933(3)	173.00
	N(4)-H(4) $\cdots$ O(2) <sup>c</sup>	0.8600	1.9000	2.753(2)	170.00
	O(5)-H(5A) $\cdots$ O(2)	0.75(4)	2.17(4)	2.915(3)	174(4)
<b>2</b>	O(5)-H(5B) $\cdots$ O(3) <sup>d</sup>	0.74(4)	2.59(4)	3.185(3)	139(4)
	C(5)-H(5) $\cdots$ O(4) <sup>e</sup>	0.9300	2.5800	3.468(2)	159.00
	C(8)-H(8) $\cdots$ O(4) <sup>e</sup>	0.9300	2.5000	3.366(3)	155.00
	C(11)-H(11) $\cdots$ O(4) <sup>e</sup>	0.9300	2.5100	3.416(2)	165.00
	C(12)-H(12) $\cdots$ O(2)	0.9300	2.3900	3.162(2)	140.00

Symmetry codes: (a)  $1/2+x, 1/2-y, -1/2+z$ ; (b)  $x, 1+y, z$ ; (c)  $2-x, 1-y, -z$ ; (d)  $1-x, 1-y, -z$ ; (e)  $1+x, 1+y, 1+z$ .



**Figure S1.** The TG curves of CPs 1 and 2.





**Figure S2.** The X-ray powder diffraction patterns of CPs **1** and **2**: a – simulated; b – as-synthesized.

The fitting values of decay curves (b) of CPs **1** and **2** in Figure 5.

Model	ExpDec 1		
Equation	$y=A1*\exp(-x/t1)+y0$		
Reduced Chi-Sqr	2389.70375		
Adj.R-Square	0.99084		
		value	Standard Error
C	y0	-1.12387	0.80742
	A1	11327.7183	24.30321
	t1	14.08947	0.04444
	k	0.07097	2.23888E-4
	tau	9.76608	0.03081

Model	ExpDec 1		
Equation	$y=A1*\exp(-x/t1)+y0$		
Reduced Chi-Sqr	2565.47694		
Adj.R-Square	0.99187		
		value	Standard Error
C	y0	0.1996	0.83717
	A1	12060.59406	24.4243
	t1	15.11439	0.04491
	k	0.06616	1.95593E-4
	tau	10.4765	0.03113