

# Spontaneous resolution of a coordination polymer containing stereogenic five-coordinate Zn(II) centers and achiral ligands with axially chiral conformation

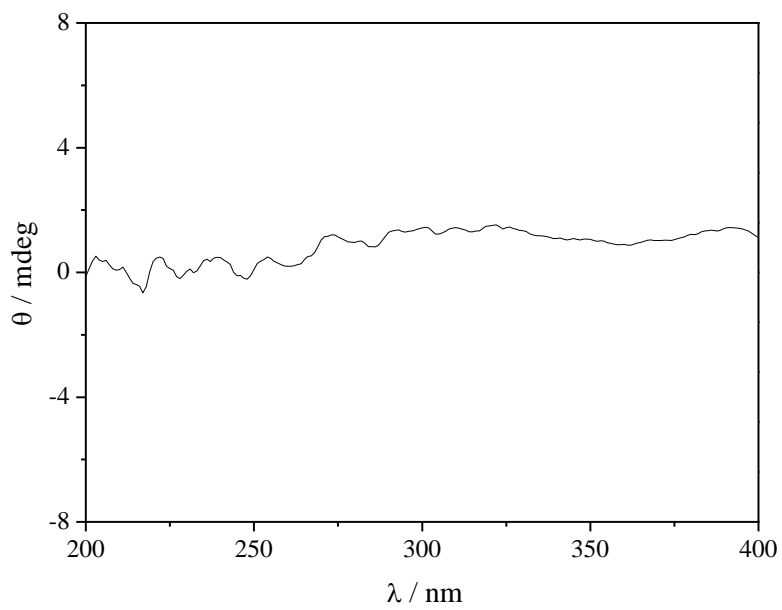
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## Supporting information

Table S1 Selected bond lengths [Å] and angles[°] for the compounds.<sup>a</sup>

Compound <b>1a</b>			
Zn(1)-N(1)#1	1.992(4)	Zn(1)-O(4)#2	2.142(3)
Zn(1)-N(2)#2	2.023(4)	Zn(1)-O(1)#1	2.311(3)
Zn(1)-N(3)	2.024(4)		
O(1)-Zn(1)#4	2.311(3)	N(1)#1-Zn(1)-O(4)#2	101.80(13)
N(2)-Zn(1)#3	2.023(4)	N(2)#2-Zn(1)-O(4)#2	81.38(13)
N(1)-Zn(1)#4	1.992(4)	N(3)-Zn(1)-O(4)#2	93.37(13)
N(1)#1-Zn(1)-N(2)#2	120.25(14)	N(1)#1-Zn(1)-O(1)#1	77.87(13)
N(1)#1-Zn(1)-N(3)	118.78(14)	N(2)#2-Zn(1)-O(1)#1	92.40(13)
N(2)#2-Zn(1)-N(3)	120.55(15)	N(3)-Zn(1)-O(1)#1	93.19(13)
Compound <b>1b</b>			
Zn(1)-N(1)#1	1.978(5)	N(1)-Zn(1)#3	1.978(5)
Zn(1)-N(2)#2	2.019(4)	N(2)-Zn(1)#4	2.019(4)
Zn(1)-N(3)	2.024(4)	O(1)-Zn(1)#3	2.310(3)
Zn(1)-O(4)#2	2.143(3)	O(4)-Zn(1)#4	2.143(3)
Zn(1)-O(1)#1	2.310(3)	N(1)#1-Zn(1)-N(2)#2	120.37(16)
N(1)#1-Zn(1)-N(3)	118.25(17)	N(1)#1-Zn(1)-O(1)#1	77.78(16)
N(2)#2-Zn(1)-N(3)	120.96(18)	N(2)#2-Zn(1)-O(1)#1	92.42(15)
N(1)#1-Zn(1)-O(4)#2	101.92(15)	N(3)-Zn(1)-O(1)#1	93.21(14)
N(2)#2-Zn(1)-O(4)#2	81.29(15)	O(4)#2-Zn(1)-O(1)#1	172.56(14)
N(3)-Zn(1)-O(4)#2	93.44(14)		

<sup>a</sup>Symmetry transformations used to generate equivalent atoms: #1  $x + 1/2, -y + 3/2, -z + 1$ ; #2  $-x + 3/2, -y + 2, z + 1/2$ ; #3  $-x + 3/2, -y + 2, z - 1/2$ ; #4  $x - 1/2, -y + 3/2, -z + 1$  for compound **1**; #1  $x - 1/2, -y + 3/2, -z + 1$ ; #2  $-x + 1/2, -y + 2, z + 1/2$ ; #3  $x + 1/2, -y + 3/2, -z + 1$ ; #4  $-x + 1/2, -y + 2, z - 1/2$  for compound **2**.



**Fig. S1** CD spectroscopy of bulk crystals