Supporting Information for

对称性破缺：手性高氯酸乙酸·二(乙二胺)合锌(II)的合成与结构

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Symmetry Breaking: Synthesis、Crystal Structure of Chiral Acetatobis(diaminoethane)zinc(II) Perchlorate

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Table S1. The crystallographic data of complexes

Number	1	2	3	4	5	6
formula	$C_6H_{19}N_4ZnClO_6$	$C_6H_{19}N_4ZnClO_6$	$C_6H_{19}N_4ZnClO_6$	$C_6H_{19}N_4ZnClO_6$	$C_6H_{19}N_4ZnClO_6$	$C_6H_{19}N_4ZnClO_6$
fw	344.07	344.07	344.07	344.07	344.07	344.07
temperature (K)	296(2)	296(2)	296(2)	296(2)	296(2)	296(2)
crystal size (mm)	0.36 × 0.32 × 0.18	0.46 × 0.36 × 0.17	0.42× 0.36 × 0.18	0.45 × 0.38 × 0.22	0.47 × 0.42 × 0.19	0.45× 0.40 × 0.21
crystal system	Tetragonal	Tetragonal	Tetragonal	Tetragonal	Tetragonal	Tetragonal
space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_12_12$	$P4_32_12$	$P4_32_12$
a / Å	9.5807(3)	9.5889(10)	9.5900(10)	9.5907(10)	9.5930(2)	9.5856(2)
b / Å	9.5807(3)	9.5889(10)	9.5900(10)	9.5907(10)	9.5930(2)	9.5856(2)
c / Å	30.7645(19)	30.8098(6)	30.8075(6)	30.8097(6)	30.8173(10)	30.7979(9)
volume /Å ^{3}	2823.9(2)	2832.87(7)	2833.31(7)	2833.92(7)	2835.98(12)	2829.83(12)
Z	8	8	8	8	8	8
D_c/g cm^{-3}	1.619	1.613	1.613	1.613	1.612	1.615
μ / mm^{-1}	1.953	1.946	1.946	1.946	1.944	1.948
F(000)	1424	1424	1424	1424	1424	1424
unique refl. (R_{int})	3223 (0.0206)	3233(0.0226)	3283 (0.0257)	3236(0.0235)	3221 (0.0208)	3243 (0.0221)
S on F^2	1.088	1.062	1.074	1.050	1.079	1.010
R_1,^{a} wR_2 ^{b} (I >2σ (I))	0.0504, 0.1363	0.0522, 0.1422	0.0579, 0.1467	0.0471, 0.1337	0.0547, 0.1449	0.0469, 0.1387
R_1,^{a} wR_2 ^{b} (all data)	0.0586, 0.1430	0.0617, 0.1546	0.0733, 0.1623	0.0515, 0.1366	0.0659, 0.1623	0.0526, 0.1497
Absolute structure parameter	0.03(3)	0.04(3)	0.04(3)	0.01(3)	0.01(3)	0.03(3)