

含二吡啶[3,2-a:2',3'-c]并吩嗪-2-羧酸的 Co(II)配合物的合成、晶体结构及光催化性能研究

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Synthesis, Crystal Structure and Photocatalytic Property of Co(II) Compound with Dipyrido[3,2-a:2',3'-c]-phenazine-2-carboxylic Acid

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Table S1 Selected bond lengths (nm) and angles (°) for compound 1

Co(1)-Cl(1)	0.2073(12)	Co(1)-N(2)	0.2106(10)	Co(1)-N(6)	0.2126(12)
Co(1)-N(5)	0.2141(11)	Co(1)-N(1)	0.2143(11)	Co(1)-OW1	0.2163(19)
O(37)-P	0.1453(17)	O(38)-P	0.1478(12)	O(39)-P	0.1528(11)
O(40)-P	0.1553(13)				
Cl(1)-Co(1)-N(2)	171.9(4)	Cl(1)-Co(1)-N(6)	93.6(5)	Cl(1)-Co(1)-N(5)	93.5(4)
Cl(1)-Co(1)-OW1	87.5(6)	Cl(1)-Co(1)-N(1)	95.8(4)	N(1)-Co(1)-OW1	91.2(6)
N(2)-Co(1)-N(1)	78.5(4)	N(2)-Co(1)-N(5)	92.6(4)	N(2)-Co(1)-N(6)	92.9(4)
N(2)-Co(1)-OW1	86.9(6)	N(5)-Co(1)-OW1	93.3(6)	N(5)-Co(1)-N(1)	169.8(5)
N(6)-Co(1)-N(1)	96.6(4)	N(6)-Co(1)-N(5)	78.8(4)	N(6)-Co(1)-OW1	172.0(6)
O(37)-P-O(38)	113.3(9)	O(37)-P-O(39)	107.2(9)	O(38)-P-O(39)	111.2(7)
O(37)-P-O(40)	110.1(9)	O(38)-P-O(40)	108.1(9)	O(39)-P-O(40)	106.8(7)

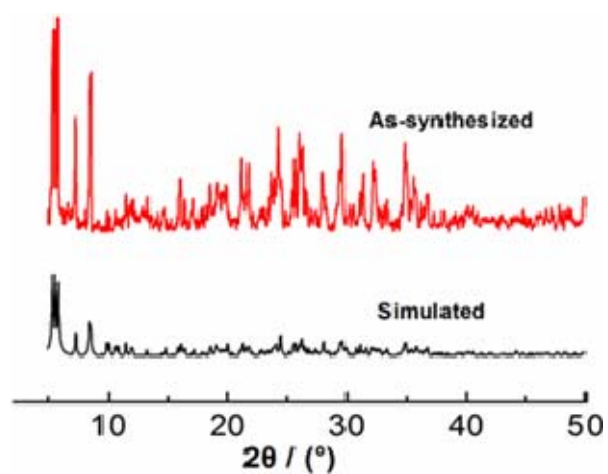


Fig.S1 As-synthesized and simulated power XRD patterns of compound 1

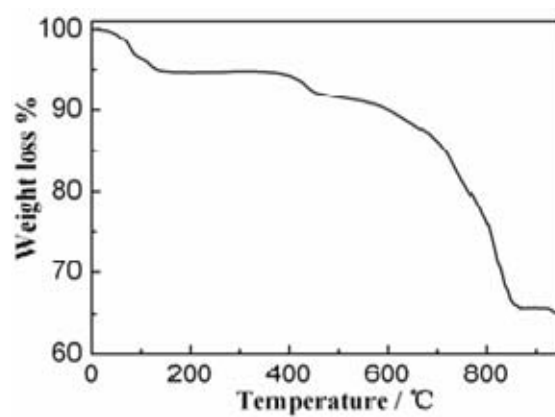


Fig.S2 TG curve of compound 1