Electronic Supplementary Information for Dalton Transactions

Electronic Supporting Information

3D Porous Hetero-metal Compound with Helical Channels

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General Methods

Analyses for C, H and N were carried out on a Perkin-Elmer analyzer. Inductively Coupled Plasma Analyses were carried out on ICAP-9000. Thermal gravimetric analysis datas were collected on NETZSCH TG analyzer. Diffraction intensity data for single crystals of **1** was collected at room temperature on a Bruker Smart CCD diffractometer equipped with graphitemonochromated Mo*K*α radiation (λ = 0.71073 Å). The structures were solved by the direct method and refined by the full-matrix least-squares method on F^2 with anisotropic thermal parameters for all non-hydrogen atoms.[1,2]

References

(1) Sheldrick, G. M. *SHELXS 97, Program for the Solution of Crystal Structures*; University of Göttingen: Germany, **1997**.

(2) Sheldrick, G. M. *SHELXL 97, Program for the Refinement of Crystal Structures*; University of Göttingen: Germany, **1997**.

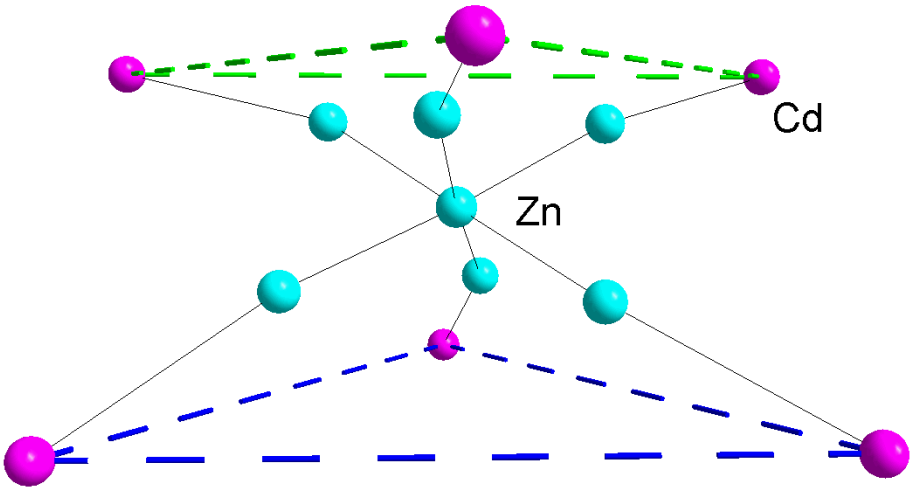

Figure S1. The representation diagrams of tridecanuclear unit [Zn_7Cd_6].

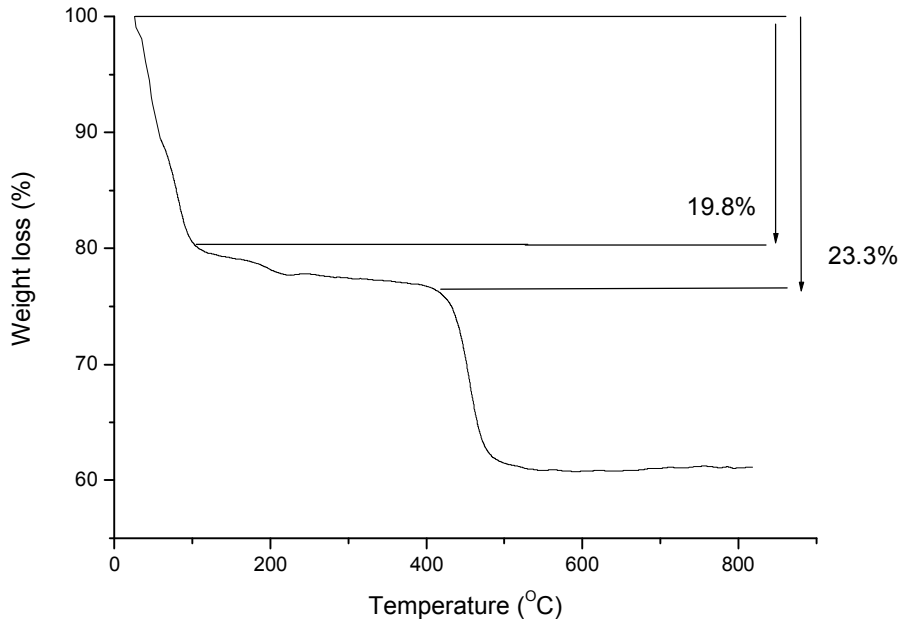

Figure S2. The TGA curve of **1** (the weight loss of 19.8 % corresponds to the loss of 28 lattice water molecules and the weight loss of 23.3 % corresponds to the loss of 28 lattice water molecules and 6 coordinated water mulecules).