

Supporting Information

Two Microporous Metal-Organic Frameworks with Different Topologies Constructed from Trinuclear $M_3(COO)_n$ Secondary Building Units

Xiao-Feng Wang,^{a,b} Yue-Biao Zhang,^a Xiao-Ning Cheng,^a and Xiao-Ming Chen^{a*}

^a MOE Key Laboratory of Bioinorganic & Synthetic Chemistry, School of Chemistry and Chemical Engineering, Sun Yat-Sen University, Guangzhou 510275, P. R. China.

E-mail: cxm@mail.sysu.edu.cn

^b School of Chemistry and Chemical Engineering, Nanhua University, Hengyang 421001, P. R. China.

Fig.S1. The coordination environment in **1** (The amino groups are 2-fold disordered)

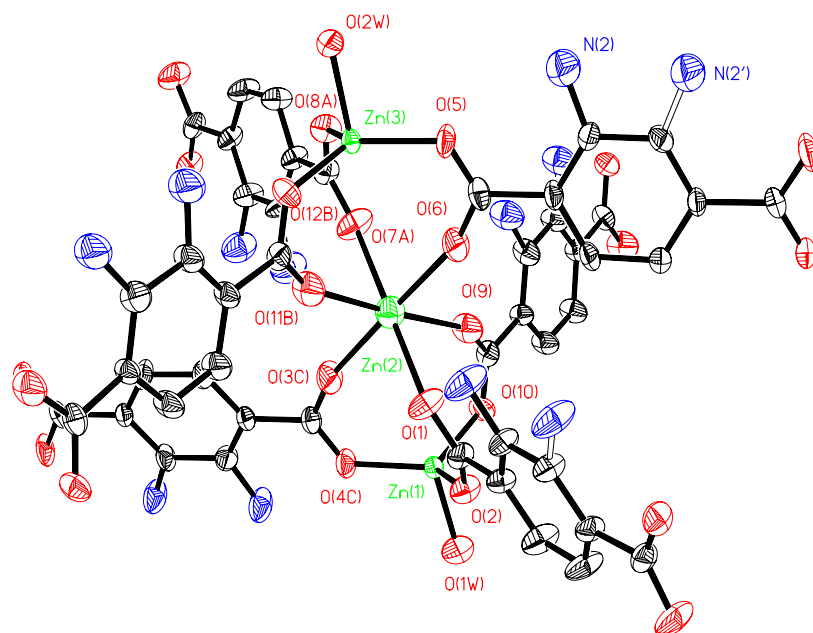


Fig. S2. The coordination environment in **2** (The amino groups and NH₂BDC ligands as pillars are 2-fold disordered)

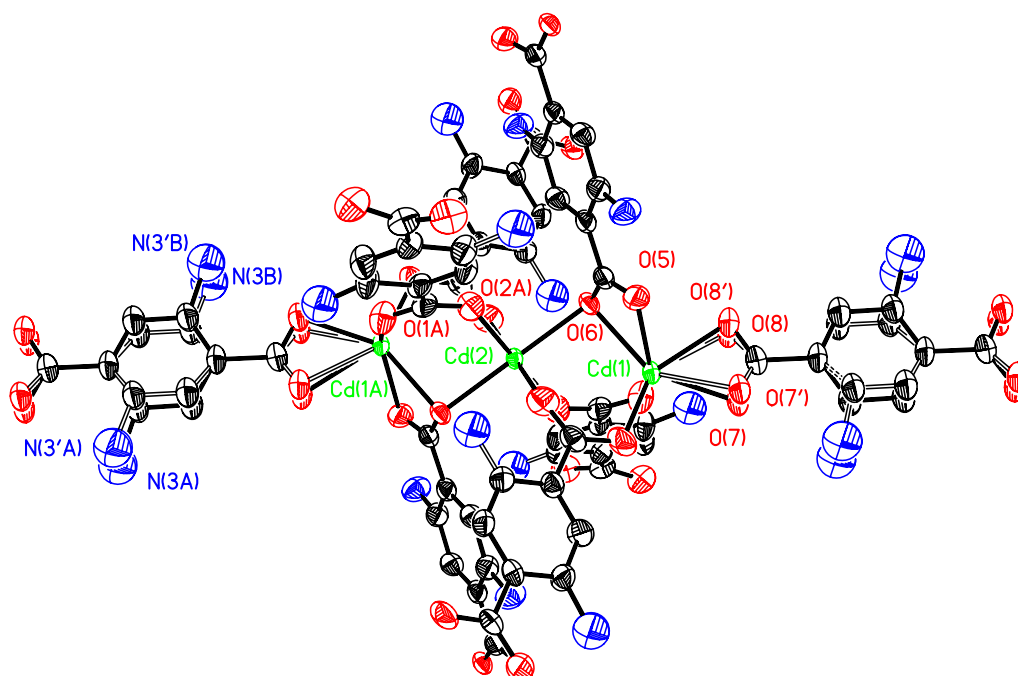


Fig. S3. Thermogravimetric analysis (TGA) of **1**

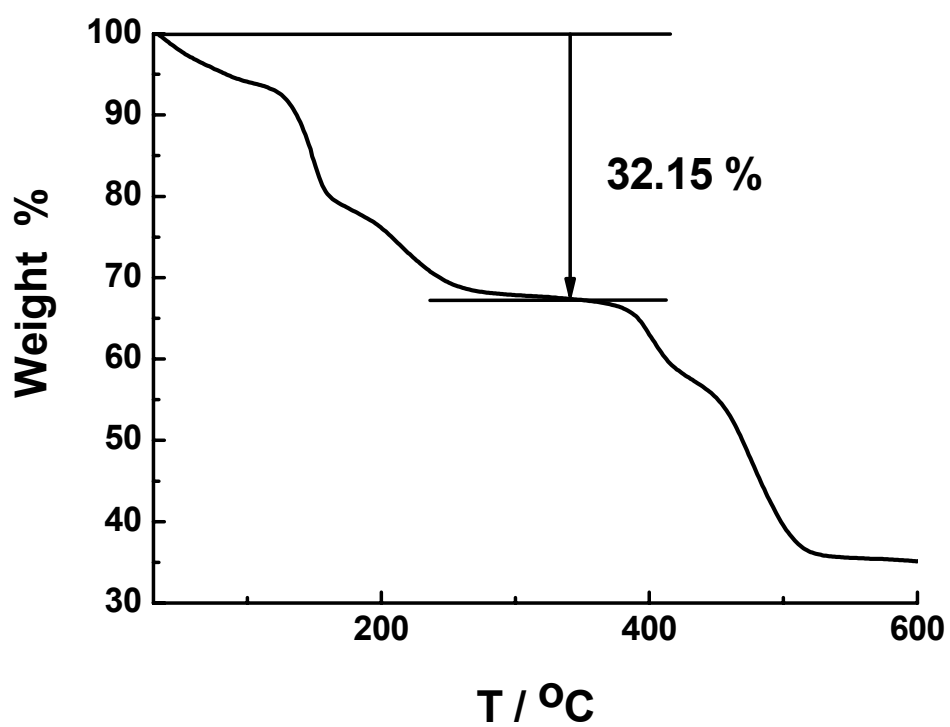


Fig. S4. Thermogravimetric analysis (TGA) of **2**

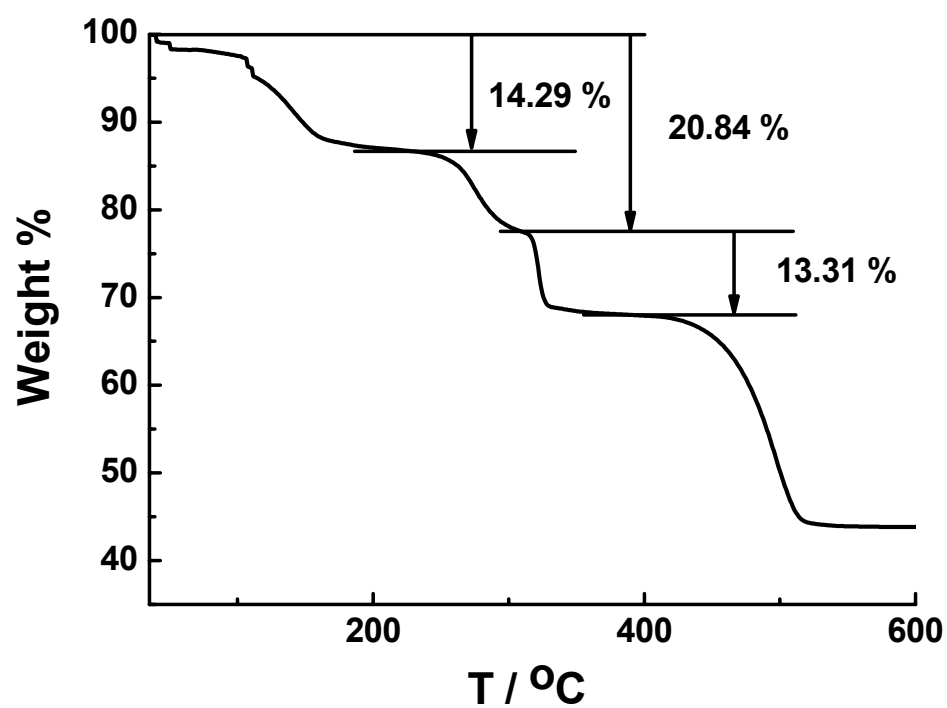


Fig. S5. PXRD patterns of **1**

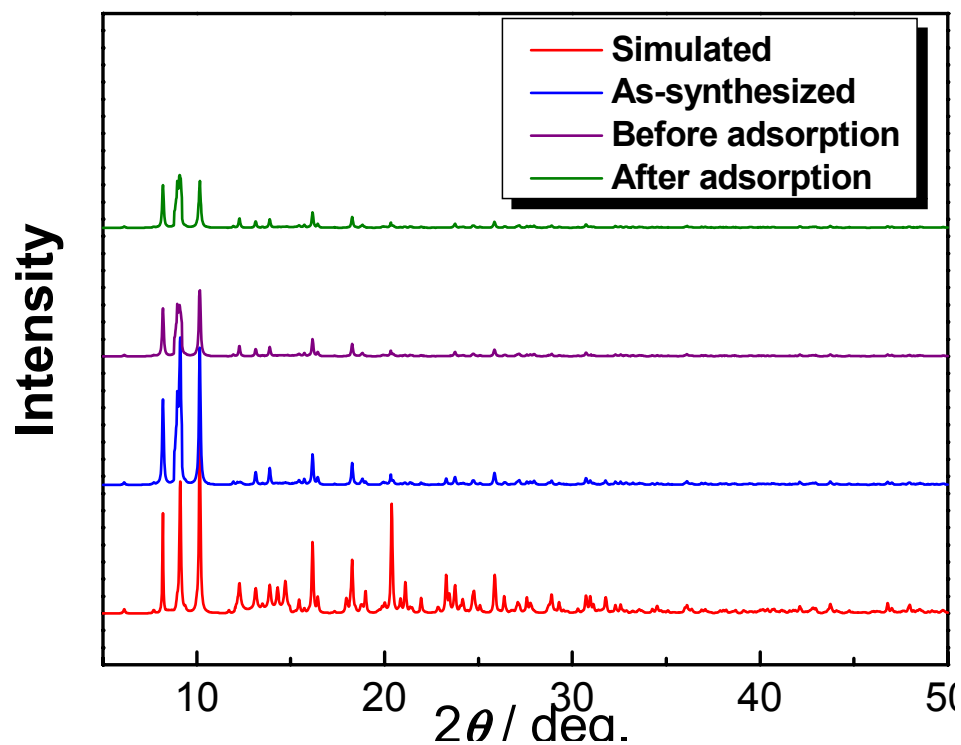


Fig. S6. The head-to-end connected type of ligands linking the trinuclear SBUs in **1** (The amino groups and the hydrogen atoms were omitted for clarity).

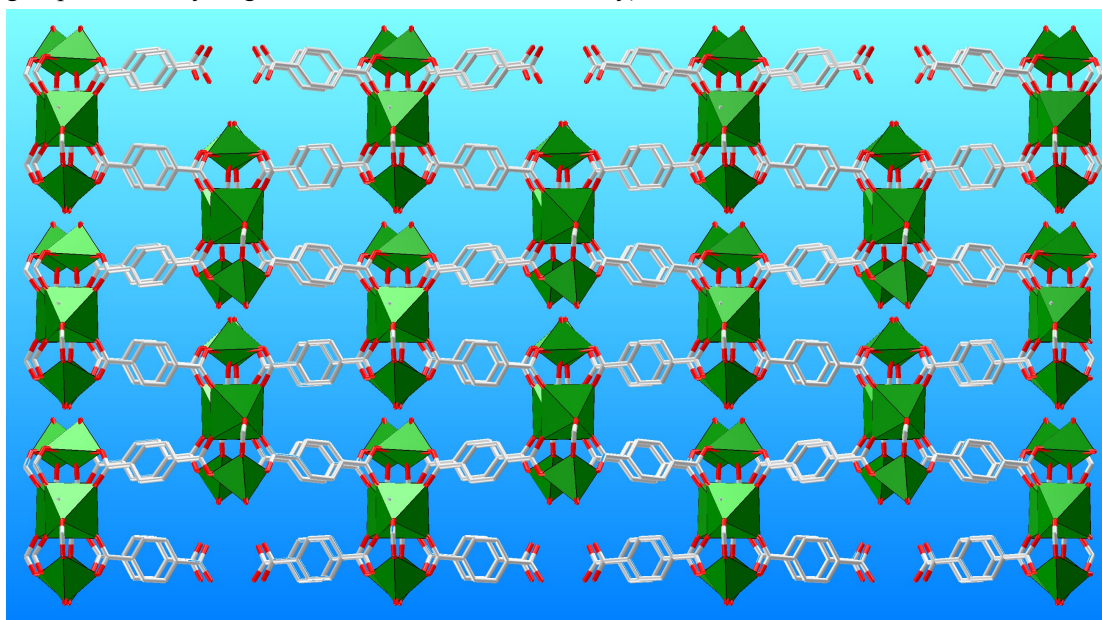


Fig. S7. The head-to-head or end-to-end connected type of ligands linking the trinuclear SBUs in **2** (The ligands as pillars, the amino groups, and the hydrogen atoms were omitted for clarity).

