

[Co₅(μ₃-OH)₂(btec)₂(bpp)]_n: A Three-Dimensional Homometallic Molecular Metamagnet Built from the Mixed Hydroxide/Carboxylate-Bridged Ferrimagnetic-like Chains

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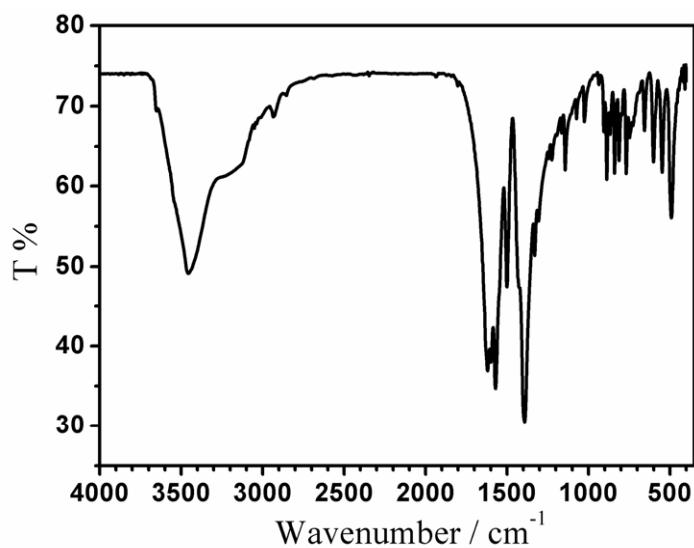


Fig. S1 FT-IR spectrum of **1**.

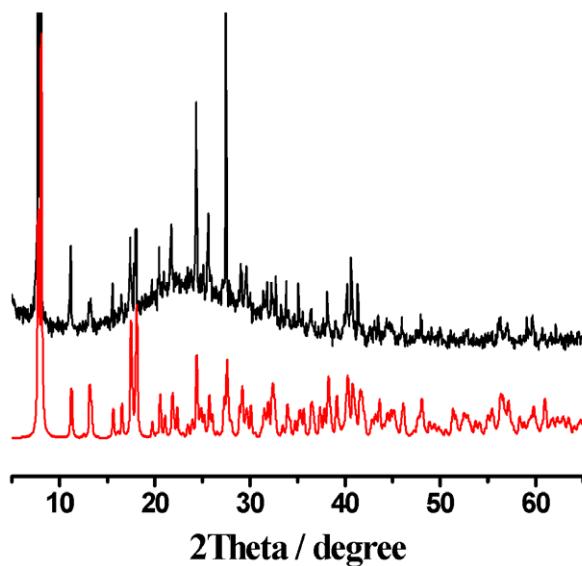


Fig.S2 Simulated (red line) and experimental (black line) XRPD data of **1**.

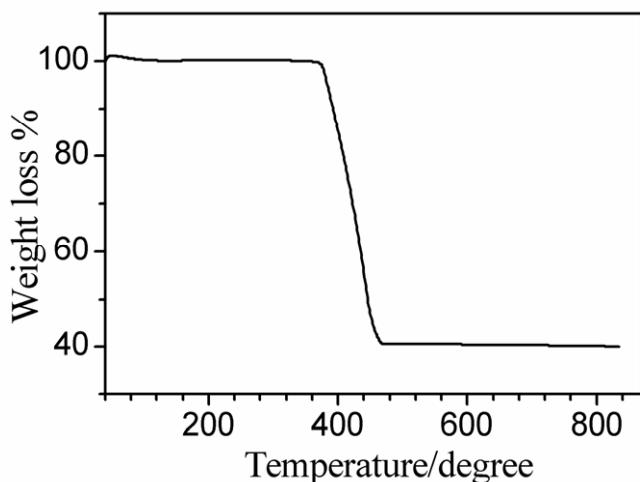


Fig. S3 TGA curve for **1**.

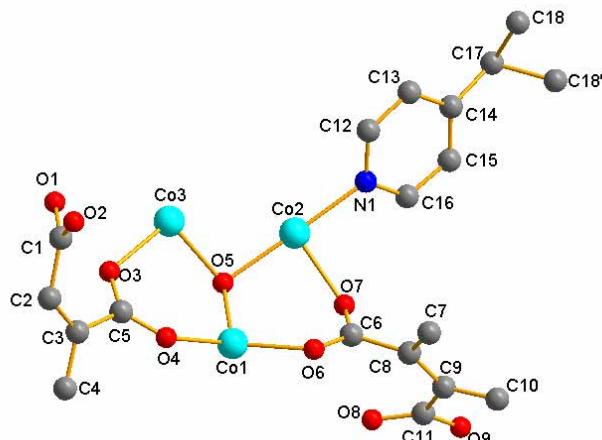


Fig. S4 The asymmetric unit of **1**. All H atoms and lattice water molecule have been omitted for clarity.

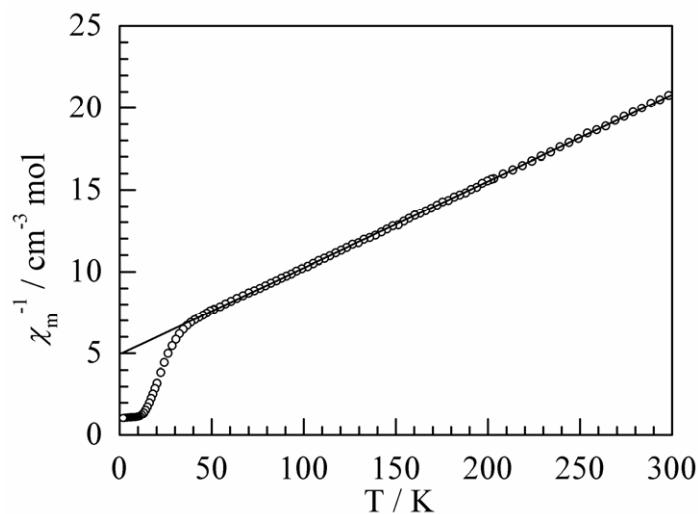


Fig. S5 Plot of χ_m^{-1} vs T in the range of 2-300 K for **1**, the solid line is the linear fitting based on the Curie – Weiss law.

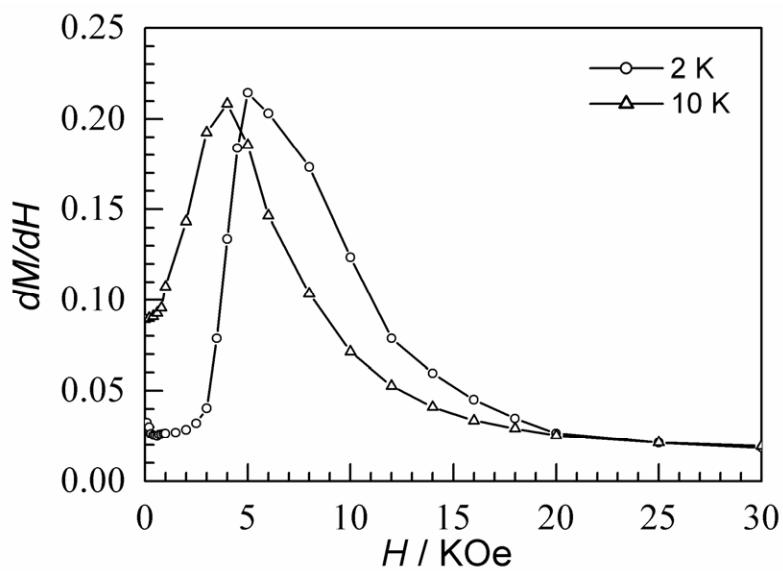


Fig. S6 Field dependence magnetization of **1** plotted based on dM/dH derivative.

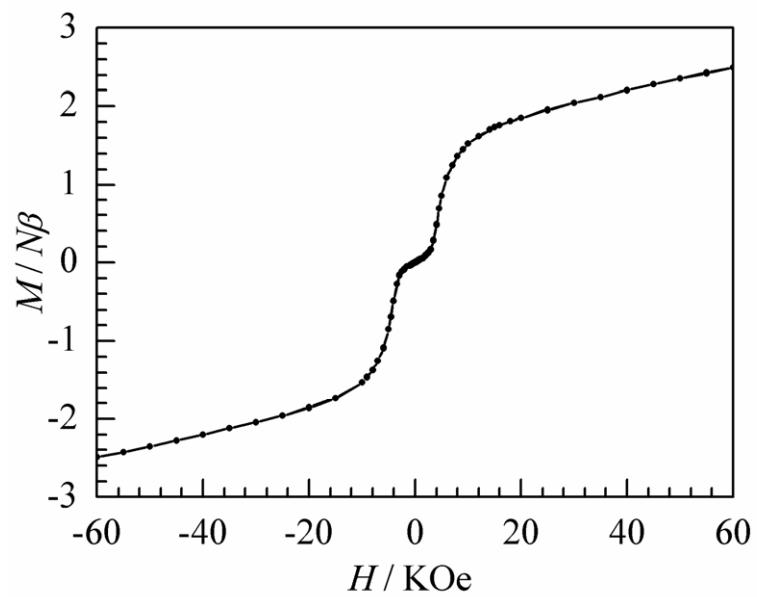


Fig. S7 Hysteresis loop for **1** at 5 K.