## A New 2D Copper(II) Coordination Polymer with a Schiff Base Ligand with Weakly Coordinating Sulfonate Groups Affecting the Structure

Jia-Ming Li<sup>a,b</sup>, Kun-Huan He<sup>a,b</sup>, and Yi-Min Jiang<sup>a</sup>

Key Laboratory of Medicinal Chemical Resources and Molecular Engineering,
College of Chemistry and Chemical Engineering, Guangxi Normal University, Guilin 541004,
P. R. China
College of Chemistry and Chemical Engineering, Qinzhou University, Qinzhou 535000, P. R. China

Reprint requests to Professor Yimin Jiang. E-mail: ljmmarise@163.com

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A new 2D copper(II) coordination polymer with the doubly deprotonated Schiff base ligand 2-(2-hydroxybenzylideneamino)ethanesulfonic acid (H<sub>2</sub>Saes) has been synthesized, {[Cu(Saes)(4,4'-bpy)]<sub>2</sub>·H<sub>2</sub>O}<sub>n</sub> (1), and characterized by single-crystal X-ray diffraction, IR spectroscopy, elemental and thermogravimetric analysis. Dinuclear copper complexes serve as secondary building blocks (SBUs) to construct an unusual coordination network with an interpenetrating CdSO<sub>4</sub> topology. In the crystal, the components form a stable 3D supramolecular architecture by O–H···O, C–H···O interactions and  $\pi$  stacking.

Key words: Schiff Base, Crystal Structure, Copper(II) Complex, Synthesis, Thermal Stability