

One-pot synthesis of a new magnetically coupled heterometallic $\text{Cu}_2\text{Mn}_2[2 \times 2]$ molecular grid.

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The heterometallic $[2 \times 2]$ grid-type complex $[\text{Cu}_2\text{Mn}_2(\text{pop})_4(\text{OAc})_4] \cdot 7\text{H}_2\text{O}$ (**1**) has been selectively synthesized in a targeted one-pot reaction. Single-crystal X-ray analysis shows the expected structure with identical metal ions located at diagonal vertices of the grid. Magnetochemical studies reveal that **1** has a ferrimagnetic spin ground state with some admixture of low-lying excited states.

Adres publiczny

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Strona internetowa wydawcy

<https://www.acs.org/content/acs/en.html>