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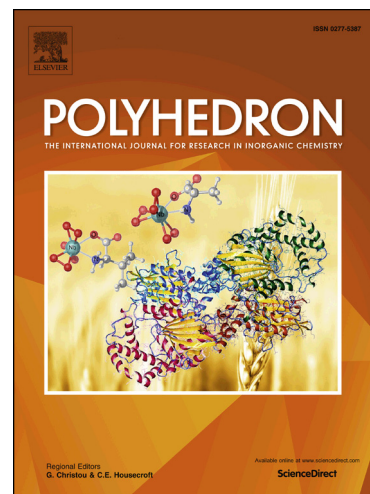
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Synthesis and characterization of three hetero-dinuclear complexes with CuO_2M cores (M= Na, Hg): Exploration of their phenoxazinone synthase mimicking activity

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Abstract

Three new hetero-dinuclear complexes, $[\text{CuL}^1\text{Na}(\text{NCS})]\cdot 0.5\text{H}_2\text{O}$ (**1**), $[\text{CuL}^1\text{Na}(\text{OCIO}_3)]\cdot 0.25\text{H}_2\text{O}$ (**2**) and $[\text{CuL}^2\text{HgCl}_2]$ (**3**) {where $\text{H}_2\text{L}^1 = \text{N,N'}$ -bis(3-ethoxysalicylidene)-2,2-dimethylpropane-1,3-diamine and $\text{H}_2\text{L}^2 = \text{N,N'}$ -bis(3-methoxysalicylidene)-2,2-dimethylpropane-1,3-diamine} are N_2O_4 donor compartmental Schiff bases} have been synthesized and characterized. The phenoxazinone synthase mimicking activity of each complex in acetonitrile has been investigated with the model substrate *o*-aminophenol.

Keywords: Hetero-dinuclear complex; Schiff Base Ligand; Phenoxazinone synthase mimicking activity.

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