

# Molecular tectonics: Manganese(II), copper(II) and zinc(II) 1D coordination polymers based on tetramercaptothiacalix[4]arene bearing benzoate coordinating groups

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## Abstract

© ISUCT Publishing. The combination under mild conditions of the carboxylic appended tetramercaptotetrathiacalix[4]arene (TMTCA) derivative 2 blocked in 1,3-A conformation with acetate salts of octahedral copper(II), manganese(II) and zinc(II), and pyridine, leads to the formation of new 1D coordination polymers in the crystalline state. Whereas for copper(II) and manganese(II) 1D linear coordination polymers are observed, for zinc(II) a zigzag chain has been evidenced.

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## Keywords

Carboxylate, Coordination polymer, Molecular tectonics, Tetramercaptotetrathiacalix[4]arene, Transition metals

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