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Synthesis and Biological Properties of the Novel Coordination Compound with Rhodanine-3-Acetic Acid

A. Vitiu[1,2], D. Chişca[1,3], E. Gorincioi[2,3], E. Coropceanu[2,3], and P. Bourosh[1,3]
[1]*Institute of Applied Physics, Chisinau, Republic of Moldova*
[2]*Institute of Chemistry, Chisinau, Republic of Moldova*
[3]*Tiraspol State University, Chisinau, Republic of Moldova*

The new coordination compound based on rhodanine-3-acetic acid was synthesized, characterized and evaluated as potential antimicrobial agent on a panel of bacteria and fungi. The structure and stereochemistry of the novel 1D coordination polymer $[Zn(5,5'\text{-}Rda\text{-}Rda)(dmf)_2(H_2O)_2]_n$ (1) have been characterized by single crystal X-ray structure, IR- and NMR-spectra.