Metallation of Ligands with Biological Activity: Synthesis and X-Ray Characterization of Polymeric $[Cd(sulfamethoxazolato)_2(CH_3OH)_2]_n \cdot x(CH_3OH)$

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Sulfamethoxazole (5-methyl-3-isoxazolyl sulfanilamide) reacts with cadmium acetate in methanol in a steel autoclave at 150 °C to give crystalline $[Cd(sulfamethoxazolato)_2(CH_3OH)_2]_n \cdot x(CH_3OH)$ (**1**) the structure of which was characterized by single crystal X-ray diffraction. The triclinic crystals belong to the space group $P\bar{1}$. In the polymeric assembly the Cd(II) centers are linked through sulfamethoxazolato anions which alternate in their coordination with the isoxazolic N-atoms and the aromatic amino groups. The chains of vicinal rings build tunnels along the crystallographic *c* axis.

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