

Synthesis and Tin(IV) Coordination Chemistry of the Novel Tripod $\text{N}(\text{CH}_2\text{CH}_2\text{CH}_2\text{SH})_3$

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The novel tetradentate ligand $\text{N}(\text{CH}_2\text{CH}_2\text{CH}_2\text{SH})_3$, **H₃-5** was synthesized from tripropanolamine via the trichloride, subsequent reaction with potassium thioacetate and reduction with LiAlH_4 . Ligand **H₃-5** reacts with MeSnCl_3 under formation of the centrosymmetric dinuclear complex $[\text{MeSn}(\mathbf{5})]_2$, **6**, which was shown by X-ray structure analysis to contain two tetrahedrally coordinated tin atoms and two bridging thiolato functions.

Key words: Tin, Tripodal Ligand, Trithiol