

Syntheses and Molecular Structures of Metallasiloxanes Containing Zn_3O_4 and $\text{Zn}_6\text{Si}_6\text{O}_{10}$ Cores

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The trinuclear zinc siloxane $[(\text{MeZn})_2\text{Zn}(\text{OSiPh}_3)_4]$ (**1**) and the first novel siloxane-bridged hexanuclear dimer $[\{\text{Me}(\text{THF})\text{Zn}\}_2\text{OZn}(\text{OSiR}_2)(\text{R}^1)]_2$ (**2**) ($\text{R} = \text{Ph}$, $\text{R}^1 = \text{OSiR}_2\text{OSiR}_2\text{O}$) are accessible by Brønsted acid/base reaction of triorganosilanols with the zinc base ZnMe_2 . Both compounds

were characterised by NMR spectroscopy and a single-crystal X-ray structure analysis. The X-ray structures of the reported complexes are discussed.

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