



>>Entry Name: Tetrakis(trimethylsilyloxy)silane

Synonym(s): 1,1,1,5,5,5-Hexamethyl-3,3-bis[(trimethylsilyl)oxy]trisiloxane, 10Cl, 9Cl

CAS Registry Number: 3555-47-3

(Me<sub>3</sub>SiO)<sub>4</sub>Si

Molecular Formula: C<sub>12</sub>H<sub>36</sub>O<sub>4</sub>Si<sub>5</sub>

Molecular Weight: 384.842

Accurate Mass: 384.145995

Percentage Composition: C 37.45%; H 9.43%; O 16.63%; Si 36.49%

Source/Synthesis: Synth. from Ca<sub>2</sub>(SiO<sub>4</sub>), Me<sub>3</sub>SiCl, Pr<sup>i</sup>OH and hexamethyldisiloxane

Physical Description: Liq.

Boiling Point: Bp<sub>3</sub> 61°

Aldrich: 45451-6

#### References:

Voronkov, M.G. *et al.*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1977, **232**, 1100, (*ir*)

Addison, J.B., *Analyst (London)*, 1979, **104**, 766; *CA*, **92**, 5719, (*ms*)

Calhoun, H.P. *et al.*, *J.C.S. Dalton*, 1980, 1282, (*synth*)

Shimono, T. *et al.*, *J. Chromatogr.*, 1980, **197**, 59, (*synth*)

Antipin, M.Y. *et al.*, *Zh. Strukt. Khim.*, 1980, **21**, 183, (*struct*)

Schraml, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1981, **46**, 377, (*Si-29 nmr*)