



>>Entry Name: Hexaethyldisiloxane, 9CI

Synonym(s): Bis(triethylsilyl)ether. Oxybis(triethylsilane)

CAS Registry Number: 994-49-0

$\text{Et}_3\text{SiOSiEt}_3$

Molecular Formula: $\text{C}_{12}\text{H}_{30}\text{OSi}_2$

Molecular Weight: 246.539

Accurate Mass: 246.183519

Percentage Composition: C 58.46%; H 12.26%; O 6.49%; Si 22.78%

Source/Synthesis: Synth. e.g. from Et_3SiH , F_3CCOOH and acetophenone

Use/Importance: Commercially available

Physical Description: Moisture-sensitive liq.

Boiling Point: Bp 231° (233-236°). Bp₃₀ 128°

Density: d_4^{20} 0.844

Refractive Index: n_D^{20} 1.4330

Aldrich: 37788-0

Fluka: 52042

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **3**, 672C, (*nmr*)

Di Giorgio, P.A. *et al.*, *J.A.C.S.*, 1946, **68**, 1380, (*synth*)

Marchand, A. *et al.*, *J. Chim. Phys. Phys.-Chim. Biol.*, 1962, **59**, 1142, (*ir, Raman*)

Scholl, R.L. *et al.*, *J.A.C.S.*, 1972, **94**, 6376, (*Si-29 nmr*)

West, C.T. *et al.*, *J.O.C.*, 1973, **38**, 2675, (*synth*)

Mysov, E.I. *et al.*, *Org. Mass Spectrom.*, 1976, **11**, 358, (*ms*)

Kirichenko, E.A. *et al.*, *Zh. Obshch. Khim.*, 1979, **49**, 1529, (*uv*)

Larson, G.L. *et al.*, *Synth. React. Inorg. Met.-Org. Chem.*, 1981, **11**, 173, (*synth*)