



>>Entry Name: 1,1,1,3,5,7,7,7-Octamethyltetrasiloxane, 9CI

CAS Registry Number: 16066-09-4

$\text{Me}_3\text{SiOSiHMeOSiHMeOSiMe}_3$

Molecular Formula: $\text{C}_8\text{H}_{26}\text{O}_3\text{Si}_4$

Molecular Weight: 282.634

Accurate Mass: 282.095903

Percentage Composition: C 34.00%; H 9.27%; O 16.98%; Si 39.75%

Source/Synthesis: Synth. from $\text{MeSiHCl}_2 + (\text{Me}_3\text{Si})_2\text{O}$

Boiling Point: Bp 177°

Density: d_4^{20} 0.86

Refractive Index: n_D^{20} 1.3854

References:

Sauer, R.O. *et al.*, *J.A.C.S.*, 1946, **68**, 962-963, (*synth*)

Sakiyama, M. *et al.*, *Bull. Chem. Soc. Jpn.*, 1956, **29**, 547-549; 1958, **31**, 67-73, (*synth, ir*)

Webster, D.E. *et al.*, *J. Phys. Chem.*, 1960, **64**, 701-702, (*pmr*)

Schein, U. *et al.*, *J. Organomet. Chem.*, 1989, **375**, 33-37, (*O-17 nmr*)