



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

CAS Registry Number: 1000-05-1

Me2SiHOSiMe2OSiMe2OSiHMe2

Molecular Formula: C₈H₂₆O₃Si₄

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. by acid hydrolysis of product of LiAlH₄ redn. of Cl(SiMe₂)₄Cl

Boiling Point: Bp₂₅ 77°

Density: d²⁰ 0.86

Refractive Index: n_D²⁰ 1.3875

References:

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

Chrusciel, J. *et al.*, *Pol. J. Chem. (Rocz. Chem.)*, 1979, **53**, 1383-1386, (*synth*)