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

**CAS Registry Number:** 1000-05-1

Me2SiHOSiMe2OSiMe2OSiHMe2

**Molecular Formula:** C<sub>8</sub>H<sub>26</sub>O<sub>3</sub>Si<sub>4</sub>

**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 LiAlH<sub>4</sub> redn. of Cl(SiMe<sub>2</sub>)<sub>4</sub>Cl

**Boiling Point:** Bp<sub>25</sub> 77°

**Density:** d<sup>20</sup> 0.86

**Refractive Index:** n<sub>D</sub><sup>20</sup> 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*)