



>>Entry Name: Tris(trimethylsiloxy)silane

Synonym(s): 1,1,1,5,5,5-Hexamethyl-3-[(trimethylsilyl)oxy]trisiloxane, 12Cl

CAS Registry Number: 1873-89-8

(Me₃SiO)₃SiH

Molecular Formula: C₉H₂₈O₃Si₄

Molecular Weight: 296.66

Accurate Mass: 296.111553

Percentage Composition: C 36.44%; H 9.51%; O 16.18%; Si 37.87%

Source/Synthesis: Synth. from Me₃SiOH/Py or (Me₃Si)₂O/H₂SO₄ and SiHCl₃

Use/Importance: Commercially available

Physical Description: Liq.

Boiling Point: Bp₃₄ 92°

Density: d₄²⁰ 0.83

Aldrich: 37090-8

Fluka: 93398

References:

Popowski, E. *et al.*, *Z. Anorg. Allg. Chem.*, 1982, **494**, 166; 1986, **543**, 219, (*synth, ir*)

Scheim, U. *et al.*, *J. Organomet. Chem.*, 1986, **312**, 27; 1989, **375**, 33, (*synth, O-17 nmr*)

Jancke, H. *et al.*, *J. Organomet. Chem.*, 1988, **354**, 23, (*Si-29 nmr*)