



>>Entry Name: (Dimethylphenylsilyl)methanol, 9CI

Synonym(s): (Hydroxymethyl)dimethylphenylsilane

CAS Registry Number: 17881-97-9

PhSiMe₂CH₂OH

Molecular Formula: C₉H₁₄OSi

Molecular Weight: 166.294

Accurate Mass: 166.081392

Percentage Composition: C 65.00%; H 8.49%; O 9.62%; Si 16.89%

Source/Synthesis: Synth. from Me₂PhSiLi + CH₂O

Physical Description: Liq.

Boiling Point: Bp₂₇ 132-135°

Density: d₂₀²⁰ 0.99

Refractive Index: n_D²⁰ 1.5225

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>>Derivative: 2-Methyl-2-propenoyl

Synonym(s): (Dimethylphenylsilyl)methyl methacrylate

CAS Registry Number: 18052-92-1

Molecular Formula: C₁₃H₁₈O₂Si

Molecular Weight: 234.37

Accurate Mass: 234.107607

Percentage Composition: C 66.62%; H 7.74%; O 13.65%; Si 11.98%

Source/Synthesis: Synth. from H₂C=CMeCOOH + ClCH₂SiMe₂Ph

Boiling Point: Bp₁₀ 103°

Density: d²⁵ 0.99

Refractive Index: n_D²⁵ 1.5045

References:

Merker, R.L. *et al.*, *J.O.C.*, 1956, **21**, 1537-1539, (2-methyl-2-propenoyl, synth)

Gilman, H. *et al.*, *J.O.C.*, 1960, **25**, 2201, (synth, ir)

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

Pola, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1973, **38**, 3163, (ir)