



>>Entry Name: Dimethylphenylsilanol, 9CI

Synonym(s): Hydroxydimethylphenylsilane

CAS Registry Number: 5272-18-4

PhSiMe₂OH

Molecular Formula: C₈H₁₂OSi

Molecular Weight: 152.268

Accurate Mass: 152.065742

Percentage Composition: C 63.10%; H 7.94%; O 10.51%; Si 18.44%

Source/Synthesis: Synth. from PhSiMe₂Cl + H₂O

Physical Description: Liq.

Boiling Point: Bp₁₄ 101-101.5°

References:

Hyde, J.F. *et al.*, *J.A.C.S.*, 1953, **75**, 5615, (*synth*)

Hampton, J.F. *et al.*, *Inorg. Chem.*, 1965, **4**, 1659, (*pmr*)

Nagai, Y. *et al.*, *J. Organomet. Chem.*, 1967, **8**, 372, (*synth*)

Nillius, O. *et al.*, *Spectrochim. Acta*, 1970, **26**, 121, (*ir*)

Hirabayashi, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 2000, **73**, 1409-1417, (*synth, ir, pmr, cmr*)