



>>Entry Name: **Methyldiphenylsilanol**, 9CI

Synonym(s): Hydroxy(methyl)diphenylsilane

CAS Registry Number: 778-25-6

MePh₂SiOH

Molecular Formula: C₁₃H₁₄OSi

Molecular Weight: 214.338

Accurate Mass: 214.081392

Percentage Composition: C 72.85%; H 6.58%; O 7.46%; Si 13.10%

Source/Synthesis: Synth. from MePh₂SiCl and H₂O

Use/Importance: Commercially available

Physical Description: Cryst.

Melting Point: Mp 165-166°

Boiling Point: Bp₂ 130-134°

References:

Daudt, W.H. *et al.*, *J.A.C.S.*, 1952, **74**, 386, (*synth*)

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

Licht, K. *et al.*, *Z. Anorg. Allg. Chem.*, 1963, **323**, 190, (*ir, Raman*)

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

Barnes, A.H. *et al.*, *J.O.C.*, 1966, **31**, 885, (*synth*)

Lycka, A. *et al.*, *Coll. Czech. Chem. Comm.*, 1982, **47**, 603, (*Si-29 nmr, cmr*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DWH550