



>>Entry Name: Di-*tert*-butylsilane

Synonym(s): Bis(1,1-dimethylethyl)silane

CAS Registry Number: 30736-07-3

(Me₃C)₂SiH₂

Molecular Formula: C₈H₂₀Si

Molecular Weight: 144.331

Accurate Mass: 144.133427

Percentage Composition: C 66.57%; H 13.97%; Si 19.46%

Source/Synthesis: Synth. from H₂SiCl₂ + Bu^tLi

Physical Description: Liq.

Boiling Point: Bp 128°

References:

Doyle, M.P. *et al.*, *J.A.C.S.*, 1975, **97**, 3777, (*ir, ms, pmr*)

Barton, T.J. *et al.*, *J. Organomet. Chem.*, 1979, **172**, 11, (*synth*)

Weidenbruch, M. *et al.*, *J. Organomet. Chem.*, 1980, **195**, 171, (*ms, pmr*)

Watanabe, H. *et al.*, *Chem. Lett.*, 1981, 1321, (*synth*)

Synthetic Methods of Organometallic and Inorganic Chemistry, (ed. Hermann, W.A.), Thieme, 1996, **2**, 210-213, (*synth, ir, pmr*)