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

CAS Registry Number: 760-32-7

Et_2SiHMe

Molecular Formula: $C_5H_{14}Si$
Molecular Weight: 102.251
Accurate Mass: 102.086477
Percentage Composition: C 58.73%; H 13.80%; Si 27.47%
Source/Synthesis: Synth. from $Et_2SiClMe + LiAlH_4$
Use/Importance: Reagent for hydrosilylation of enones in presence of Ni complex catalysts, and for Pt complex catalysed alkene hydrosilylation
Physical Description: Liq.
Boiling Point: Bp 77.4°
Density: d_4^{20} 0.705
Refractive Index: n_D^{20} 1.3984

Aldrich: 28258-8
Fluka: 32444

References:

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Khidekel, M.L. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1963, 1130; *CA*, **59**, 9485, *(pmr)*
Voronkov, M.G. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1973, **11**, 2479; *CA*, **80**, 59069, *(ir, Raman)*
Lappert, M.F. *et al.*, *J. Organomet. Chem.*, 1975, **102**, 543, *(use, hydrosilylation of enones)*
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