



>>Entry Name: Ethyldimethylsilane, 9CI

Synonym(s): Dimethylethylsilane

CAS Registry Number: 758-21-4

Me₂EtSiH

Molecular Formula: C₄H₁₂Si

Molecular Weight: 88.224

Accurate Mass: 88.070827

Percentage Composition: C 54.46%; H 13.71%; Si 31.83%

Source/Synthesis: Synth. from Me₂EtSiCl + LiAlH₄

Use/Importance: Commercially available

Physical Description: Liq.

Boiling Point: Bp 44.5°

Density: d₄²⁵ 0.67

Refractive Index: n_D²⁵ 1.3753

Aldrich: 28112-3

Fluka: 3455

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 629A, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1621D, (*ir*)

Finholt, A.E. *et al.*, *J.A.C.S.*, 1947, **69**, 2692, (*synth*)

Gilman, H. *et al.*, *J.A.C.S.*, 1949, **71**, 1499, (*synth*)

Shevchenko, I.V. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1972, 98; *CA*, **77**, 11706, (*ir, Raman*)