



>>Entry Name: (3-Aminopropyl)ethoxydimethylsilane

Synonym(s): 3-(Ethoxydimethylsilyl)-1-propanamine, 9CI

CAS Registry Number: 18306-79-1

(EtO)Me₂SiCH₂CH₂CH₂NH₂

Molecular Formula: C₇H₁₉NOSi

Molecular Weight: 161.319

Accurate Mass: 161.123591

Percentage Composition: C 52.12%; H 11.87%; N 8.68%; O 9.92%; Si 17.41%

Source/Synthesis: Synth. from Cl(CH₂)₃SiMe₂OEt + liq. NH₃

Boiling Point: Bp₂₄ 78-79°

Density: d²⁵ 0.86

Refractive Index: n_D²⁵ 1.4276

References:

Saam, J.C. *et al.*, *J.O.C.*, 1959, **24**, 119-120, (*synth*)

Schraml, J. *et al.*, *Org. Magn. Reson.*, 1975, **7**, 379-385, (*cmr*, *Si-29 nmr*)

Ghose, D.N. *et al.*, *J. Organomet. Chem.*, 1979, **164**, 11-18, (*synth*, *ir*, *pmr*)