



>>Entry Name: 3-(Dichloromethylsilyl)propanenitrile, 9Cl

Synonym(s): Dichloro(2-cyanoethyl)methylsilane

CAS Registry Number: 1071-21-2

MeSiCl₂CH₂CH₂CN

Molecular Formula: C₄H₇Cl₂NSi

Molecular Weight: 168.097

Accurate Mass: 166.97248

Percentage Composition: C 28.58%; H 4.20%; Cl 42.18%; N 8.33%; Si 16.71%

Source/Synthesis: Synth. from MeSiHCl₂ + H₂C=CHCN in presence of Cu(acac)₂ and CyNC

Physical Description: Liq.

Boiling Point: Bp₈ 83-85°

Density: d₄²⁰ 1.19

Refractive Index: n_D²⁰ 1.4561

Rare Chemicals Library: S56542-3

References:

Bluestein, B.A., *J.A.C.S.*, 1961, **83**, 1000, (*synth*)

U.S. Pat., 1961, 2 971 970; *CA*, **55**, 12356, (*synth*)

Dyer, J. *et al.*, *Trans. Faraday Soc.*, 1968, **64**, 1985, (*synth, pmr*)

Svoboda, P. *et al.*, *Coll. Czech. Chem. Comm.*, 1973, **38**, 3834, (*synth*)