



>>Entry Name: Bis[(chloromethyl)dimethylsilyl]amine

Synonym(s): 1-(Chloromethyl)-N-[(chloromethyl)dimethylsilyl]-1,1-dimethylsilanamine, 9Cl. 1,3-Bis(chloromethyl)-1,1,3,3-tetramethyldisilazane, 8Cl

CAS Registry Number: 14579-91-0

ClCH2SiMe2NHSiMe2CH2Cl

Molecular Formula: $C_6H_{17}Cl_2NSi_2$

Molecular Weight: 230.283

Accurate Mass: 229.027657

Percentage Composition: C 31.29%; H 7.44%; Cl 30.79%; N 6.08%; Si 24.39%

Use/Importance: Silylation reagent used in gc analysis of steroids

Physical Description: Liq.

Boiling Point: B_{p10} 103-105°. B_{p7} 95.5°

Density: d^{20}_4 1.0543

Refractive Index: n^{25}_D 1.4671

Aldrich: 23499-0

Fluka: 14660

Rare Chemicals Library: S58471-1

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 1112A, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1657A, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 1000C, (*nmr*)

Schmidt, M. *et al.*, *Inorg. Chem.*, 1962, **1**, 909, (*synth*)

Nametkin, N.S. *et al.*, *Khim. Geterotsikl. Soedin.*, 1967, 148

Brooks, C.J.W. *et al.*, *Anal. Lett.*, 1972, **5**, 611, (*use*)

Hammar, C.G., *Biomed. Mass Spectrom.*, 1978, **5**, 25, (*use*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, BIL250