



>>Entry Name: (Chloromethyl)trimethylsilane, 9Cl

Synonym(s): Trimethylsilylmethyl chloride

CAS Registry Number: 2344-80-1

$\text{Me}_3\text{SiCH}_2\text{Cl}$

Molecular Formula: $\text{C}_4\text{H}_{11}\text{ClSi}$

Molecular Weight: 122.669

Accurate Mass: 122.031854

Percentage Composition: C 39.17%; H 9.04%; Cl 28.90%; Si 22.90%

Source/Synthesis: Synth. by photol. of Me_3SiCl + Cl_2 then treatment with MeMgBr

Physical Description: Liq.

Boiling Point: Bp 98-99°

Density: d_4^{20} 0.88

Aldrich: 20535-4

Fluka: 25300

Sigma: C9019

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **3**, 638A, (*nmr*)

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Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1627C, (*ir*)

Fritz, G. *et al.*, *Z. Anorg. Allg. Chem.*, 1962, **314**, 35, (*synth*)

Sakurai, H. *et al.*, *J.O.C.*, 1968, **33**, 1527, (*pmr*)

Scholl, R.J. *et al.*, *J.A.C.S.*, 1972, **94**, 6376, (*Si-29 nmr*)

Mowat, W. *et al.*, *J.C.S. Dalton*, 1972, 533, (*ir*)

Dimmel, D.R. *et al.*, *J.O.C.*, 1972, **37**, 2665, (*ms*)

Evans, S. *et al.*, *J.C.S. Faraday 2*, 1973, **69**, 191