



>>Entry Name: (3-Chloropropyl)trimethylsilane, 9Cl

CAS Registry Number: 2344-83-4

$\text{Cl}(\text{CH}_2)_3\text{SiMe}_3$

Molecular Formula: $\text{C}_6\text{H}_{15}\text{ClSi}$

Molecular Weight: 150.723

Accurate Mass: 150.063154

Percentage Composition: C 47.81%; H 10.03%; Cl 23.52%; Si 18.63%

Source/Synthesis: Synth. from $\text{H}_2\text{C}=\text{CHCH}_2\text{Cl} + \text{Me}_3\text{SiCl} + \text{H}_2\text{PtCl}_6$, or from $\text{Cl}(\text{CH}_2)_3\text{SiCl}_3 + \text{MeMgBr}$

Boiling Point: Bp 150-153°

Density: d^{20}_4 0.88

Refractive Index: n^{20}_D 1.4310

References:

Ryan, R.W. *et al.*, *J.A.C.S.*, 1960, **82**, 3601-3604, (*synth*)

Dyer, J. *et al.*, *Spectrochim. Acta A*, 1970, **26**, 1045-1050, (*pmr*)

Scholl, R.L. *et al.*, *J.A.C.S.*, 1972, **94**, 6376-6385, (*Si-29 nmr*)

Pukhnarevich, V.B. *et al.*, *Coll. Czech. Chem. Comm.*, 1974, **39**, 2616-2620, (*synth*)

Hu, C. *et al.*, *J. Organomet. Chem.*, 1984, **268**, 31-38, (*synth, pmr*)