



>>Entry Name: (Chloromethyl)dimethyl-2-propenylsilane, 9Cl

Synonym(s): Allyl(chloromethyl)dimethylsilane, 8Cl. 5-Chloro-4,4-dimethyl-4-sila-1-pentene

CAS Registry Number: 33558-75-7

$\text{H}_2\text{C}=\text{CHCH}_2\text{SiMe}_2\text{CH}_2\text{Cl}$

Molecular Formula: $\text{C}_6\text{H}_{13}\text{ClSi}$

Molecular Weight: 148.707

Accurate Mass: 148.047504

Percentage Composition: C 48.46%; H 8.81%; Cl 23.84%; Si 18.89%

Source/Synthesis: Synth. from $\text{H}_2\text{C}=\text{CHCH}_2\text{Br}$ and Mg, then $\text{Me}_2\text{Si}(\text{CH}_2\text{Cl})\text{Cl}$

Physical Description: Liq.

Boiling Point: Bp 148-150°. Bp₅₀ 63-66°. Bp₁₅ 45.5-46°

Solubility: Sol. Et_2O

References:

Connolly, J.W. *et al.*, *J. Organomet. Chem.*, 1971, **30**, 315, (*synth, ir, pmr*)

Tamao, K. *et al.*, *Tet. Lett.*, 1984, **25**, 4249, (*synth, props*)

Wilt, J.W., *Tetrahedron*, 1985, **41**, 3979, (*synth, props*)

Voronkov, M.G. *et al.*, *J. Organomet. Chem.*, 1987, **326**, 159, (*props*)

Saigo, K. *et al.*, *J.O.C.*, 1988, **53**, 1572, (*synth, props, ir, pmr*)

Kobayashi, T. *et al.*, *Organometallics*, 1991, **10**, 1960, (*synth, pmr*)