



>>Entry Name: Trichloro[2-(chloromethyl)-2-propenyl]silane

Synonym(s): 2-(Chloromethyl)-3-(trichlorosilyl)propene

CAS Registry Number: 18147-84-7

$\text{H}_2\text{C}=\text{C}(\text{CH}_2\text{Cl})\text{CH}_2\text{SiCl}_3$

Molecular Formula: $\text{C}_4\text{H}_6\text{Cl}_4\text{Si}$

Molecular Weight: 223.988

Accurate Mass: 221.899285

Percentage Composition: C 21.45%; H 2.70%; Cl 63.31%; Si 12.54%

Source/Synthesis: Synth. from 3-chloro-2-chloromethylpropene + HSiCl_3

Use/Importance: Precursor to 1,1-Dichloro-3-methylenesilacyclobutane [LNT39-K](#)

Physical Description: Liq.

Boiling Point: Bp₅ 57-60°

Aldrich: 41849-8

References:

Trost, B.M. *et al.*, *J.O.C.*, 1988, **53**, 4887, (*synth, use, pmr*)

Damrauer, R. *et al.*, *J. Organomet. Chem.*, 1990, **391**, 7, (*pmr, synth, cmr, use, ms*)