



>>Entry Name: Trimethyl(1-methylethenyl)silane, 9CI

Synonym(s): Isopropenyltrimethylsilane. 2-(Trimethylsilyl)propene

CAS Registry Number: 18163-07-0

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

Molecular Formula: $\text{C}_6\text{H}_{14}\text{Si}$

Molecular Weight: 114.262

Accurate Mass: 114.086477

Percentage Composition: C 63.07%; H 12.35%; Si 24.58%

Source/Synthesis: Synth. from $\text{H}_2\text{C}=\text{C}(\text{Me})\text{SiCl}_3$ + MeMgBr, or from 2-lithiopropene + Me_3SiCl

Boiling Point: Bp 82°

Density: d^{20}_4 0.72

Refractive Index: n^{20}_D 1.4070

References:

Sommer, L.H. *et al.*, *J.A.C.S.*, 1954, **76**, 1186-1187, (*synth*)

Anderson, D.G. *et al.*, *Chem. Ber.*, 1989, **122**, 2213-2218, (*synth, pmr, cmr*)