



>>Entry Name: Triisopropyl-2-propenylsilane

Synonym(s): Tris(1-methylethyl)-2-propenylsilane, 9Cl. Allyltriisopropylsilane

CAS Registry Number: 24400-84-8

$\text{H}_2\text{C}=\text{CHCH}_2\text{Si}(\text{CHMe}_2)_3$

Molecular Formula: $\text{C}_{12}\text{H}_{26}\text{Si}$

Molecular Weight: 198.423

Accurate Mass: 198.180377

Percentage Composition: C 72.64%; H 13.21%; Si 14.15%

Source/Synthesis: Synth. from (allyl)MgCl and $\text{F}_3\text{CSO}_3\text{SiMe}_3$

Use/Importance: Comly. available. Anion reacts with RCH_2X (X = Br, I) predominantly in γ -position

Physical Description: Liq.

Boiling Point: Bp_{16} 130°

Refractive Index: n_D^{20} 1.4670

Aldrich: 33806-0

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 634A, (nmr)

Muchowski, J.M. *et al.*, *Tet. Lett.*, 1985, **26**, 5375, (synth, props)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1988, **13**, 11, (synth, use)