



>>Entry Name: Chlorotripropylsilane, 9Cl

CAS Registry Number: 995-25-5

$(\text{H}_3\text{CCH}_2\text{CH}_2)_3\text{SiCl}$

Molecular Formula: $\text{C}_9\text{H}_{21}\text{ClSi}$

Molecular Weight: 192.803

Accurate Mass: 192.110104

Percentage Composition: C 56.07%; H 10.98%; Cl 18.39%; Si 14.57%

Source/Synthesis: Synth. from $\text{PrMgCl} + \text{SiCl}_4$

Use/Importance: Silylation reagent for use in gc and ms

Physical Description: Liq.

Boiling Point: Bp 197-200°. Bp₁₆ 86°

Aldrich: 25445-2

Fluka: 93250

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **3**, 644A, (nmr)

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George, P.D. *et al.*, *J.A.C.S.*, 1955, **77**, 6647, (synth)

Valade, J. *et al.*, *C. R. Hebd. Seances Acad. Sci.*, 1959, **249**, 1769, (synth)

Semlyen, J.A. *et al.*, *J.C.S.*, 1964, 4948, (synth)

Khudobin, Y.I. *et al.*, *CA*, 1974, **81**, 49728, (synth)

Harvey, D.J. *et al.*, *J. Chromatogr.*, 1975, **109**, 73, (use)

Harvey, D.J., *Org. Mass Spectrom.*, 1977, **12**, 473, (use)

Kowalski, C.J. *et al.*, *J.A.C.S.*, 1986, **108**, 7127, (use)

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