



>>Entry Name: Chlorotrihexylsilane, 9Cl

CAS Registry Number: 3634-67-1

$[\text{H}_3\text{C}(\text{CH}_2)_5]_3\text{SiCl}$

Molecular Formula: $\text{C}_{18}\text{H}_{39}\text{ClSi}$

Molecular Weight: 319.044

Accurate Mass: 318.250954

Percentage Composition: C 67.76%; H 12.32%; Cl 11.11%; Si 8.80%

Use/Importance: Reagent for characterisation of cannabinoids by gc-ms

Boiling Point: Bp₅ 153.5-154°

Density: d_4^{20} 0.871

Refractive Index: n_D^{20} 1.4556

Aldrich: 25444-4

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **3**, 645B, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1633A, (*ir*)

Petrov, A.D. *et al.*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1952, **86**, 737, (*synth*)

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

Chadha, R.K. *et al.*, *J. Organomet. Chem.*, 1984, **277**, 47, (*synth*)