



>>Entry Name: 2-(Trichlorosilyl)ethanol, 9Cl

CAS Registry Number: 35153-74-3

$\text{Cl}_3\text{SiCH}_2\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_2\text{H}_5\text{Cl}_3\text{OSi}$

Molecular Weight: 179.505

Accurate Mass: 177.917523

Percentage Composition: C 13.38%; H 2.81%; Cl 59.25%; O 8.91%; Si 15.65%

>>Derivative: Ac

CAS Registry Number: 18204-80-3

Molecular Formula: $\text{C}_4\text{H}_7\text{Cl}_3\text{O}_2\text{Si}$

Molecular Weight: 221.542

Accurate Mass: 219.928088

Percentage Composition: C 21.69%; H 3.18%; Cl 48.01%; O 14.44%; Si 12.68%

Source/Synthesis: Synth. from HSiCl_3 + $\text{AcOCH}=\text{CH}_2$

Boiling Point: Bp_6 65°

Refractive Index: n_D^{20} 1.4454

>>Derivative: Benzoyl

CAS Registry Number: 92886-74-3

Molecular Formula: $\text{C}_9\text{H}_9\text{Cl}_3\text{O}_2\text{Si}$

Molecular Weight: 283.613

Accurate Mass: 281.943738

Percentage Composition: C 38.12%; H 3.20%; Cl 37.50%; O 11.28%; Si 9.90%

Source/Synthesis: Synth. from HSiCl_3 + $\text{PhCOOCH}=\text{CH}_2$

Boiling Point: Bp_3 130°

Density: d_4^{20} 1.33

Refractive Index: n_D^{20} 1.5196

References:

Japan. Pat., 1970, 70 10 735; *CA*, **73**, 35506d, (*Ac*, *synth*)

Schraml, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1978, **43**, 3202-3209, (*Ac*, *cmr*, *Si-29 nmr*)

Voronkov, M.G. *et al.*, *J. Organomet. Chem.*, 1984, **271**, 169-172, (*benzoyl*, *synth*)