



>>Entry Name: 3-(Trichlorosilyl)-1-propanol, 9Cl

CAS Registry Number: 35153-80-1

Related CAS Registry Numbers(s): 90137-40-9

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

Molecular Formula: $\text{C}_3\text{H}_7\text{Cl}_3\text{OSi}$

Molecular Weight: 193.531

Accurate Mass: 191.933173

Percentage Composition: C 18.62%; H 3.65%; Cl 54.96%; O 8.27%; Si 14.51%

>>Derivative: Ac

CAS Registry Number: 5290-25-5

Molecular Formula: $\text{C}_5\text{H}_9\text{Cl}_3\text{O}_2\text{Si}$

Molecular Weight: 235.569

Accurate Mass: 233.943738

Percentage Composition: C 25.49%; H 3.85%; Cl 45.15%; O 13.58%; Si 11.92%

Source/Synthesis: Synth. by H_2PtCl_6 -catalysed addn. of $\text{H}_2\text{C}=\text{CHCH}_2\text{OAc}$ and HSiCl_3

Boiling Point: Bp_{15} 98-99°

Density: d^{20} 1.29

Refractive Index: n_D^{20} 1.4489

>>Derivative: 2-Methyl-2-propenoyl

Synonym(s): 3-(Trichlorosilyl)propyl methacrylate

CAS Registry Number: 7351-61-3

Molecular Formula: $\text{C}_7\text{H}_{11}\text{Cl}_3\text{O}_2\text{Si}$

Molecular Weight: 261.606

Accurate Mass: 259.959388

Percentage Composition: C 32.14%; H 4.24%; Cl 40.66%; O 12.23%; Si 10.74%

Source/Synthesis: Synth. by Pt-catalysed addn. of $\text{H}_2\text{C}=\text{C}(\text{Me})\text{COOCH}_2\text{CH}=\text{CH}_2$ and HSiCl_3

Boiling Point: $\text{Bp}_{3.5}$ 93.5-98°

Density: d^{20} 1.25

Refractive Index: n_D^{20} 1.4650

References:

U.S. Pat., 1959, 2 894 968; *CA*, **54**, 5511h, (*Ac*)

Sokolov, B.A. *et al.*, *Zh. Obshch. Khim.*, 1966, **36**, 108-111; *CA*, **64**, 14207h, (*Ac*)

Ger. Pat., 1968, 1 271 712; *CA*, **70**, 57988c, (*methacrylate*)

Saxena, A.K. *et al.*, *Indian J. Technol.*, 1991, **29**, 310-312, (*methacrylate*)