



>>Entry Name: 3-[1,3,3,3-Tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]-1-propanol

CAS Registry Number: 17962-67-3

$(\text{Me}_3\text{SiO})_2\text{SiMeCH}_2\text{CH}_2\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_{10}\text{H}_{28}\text{O}_3\text{Si}_3$

Molecular Weight: 280.586

Accurate Mass: 280.134626

Percentage Composition: C 42.81%; H 10.06%; O 17.11%; Si 30.03%

Boiling Point: Bp_2 82.5°

Refractive Index: n_D^{25} 1.4133

>>Derivative: Ac

Molecular Formula: $\text{C}_{12}\text{H}_{30}\text{O}_4\text{Si}_3$

Molecular Weight: 322.623

Accurate Mass: 322.145191

Percentage Composition: C 44.68%; H 9.37%; O 19.84%; Si 26.12%

Source/Synthesis: Synth. from $(\text{Me}_3\text{SiO})_2\text{SiHMe} + \text{H}_2\text{C}=\text{CHCH}_2\text{OAc}$

Boiling Point: $\text{Bp}_{0.8}$ 67-70°

Refractive Index: n_D^{25} 1.4133

>>Derivative: 2-Methyl-2-propenoyl

CAS Registry Number: 19309-90-1

Molecular Formula: $\text{C}_{14}\text{H}_{32}\text{O}_4\text{Si}_3$

Molecular Weight: 348.661

Accurate Mass: 348.160841

Percentage Composition: C 48.23%; H 9.25%; O 18.36%; Si 24.17%

Source/Synthesis: Synth. from $\text{HO}(\text{CH}_2)_3\text{Si}(\text{OMe})_3 + \text{Me}_3\text{SiCl} + \text{Me}_3\text{SiOMe}$

Boiling Point: $\text{Bp}_{0.2}$ 112-115°

References:

Ger. Pat., 1961, 1 115 929; *CA*, **59**, 3958b, (*synth*)

U.S. Pat., 1968, 3 398 017; *CA*, **70**, 12358f, (*methacrylate*)