



>>Entry Name: **3-(Pentamethyldisiloxanyl)-1-propanol**, 11CI
Synonym(s): 1-(3-Hydroxypropyl)-1,1,3,3,3-pentamethyldisiloxane

CAS Registry Number: 94592-98-0
Related CAS Registry Numbers(s): 64185-06-4
Me3SiOSiMe2CH2CH2CH2OH

Molecular Formula: C8H22O2Si2
Molecular Weight: 206.432
Accurate Mass: 206.115834
Percentage Composition: C 46.55%; H 10.74%; O 15.50%; Si 27.21%
Source/Synthesis: Synth. by hydrol. of [Me3SiO(CH2)3SiMe2]2O
Boiling Point: Bp_{0.15} 52-53°
Refractive Index: n_D²⁰ 1.4200

>>Derivative: 2-Methyl-2-propenoyl
Synonym(s): 3-(Pentamethyldisiloxanyl)propyl methacrylate

CAS Registry Number: 18151-85-4
Molecular Formula: C12H26O3Si2
Molecular Weight: 274.507
Accurate Mass: 274.142049
Percentage Composition: C 52.51%; H 9.55%; O 17.49%; Si 20.46%
Source/Synthesis: Synth. from H2C=CMeCOOH + [HO(CH2)3SiMe2]2O + (Me3Si)2O
Boiling Point: Bp₁₀ 120-125°
Density: d²⁵ 0.9
Refractive Index: n_D²⁵ 1.4255

References:

U.S. Pat., 1960, 2 922 807; *CA*, **54**, 18358b, (*methacrylate*)
Braun, F. *et al.*, *J. Organomet. Chem.*, 1987, **332**, 63-68, (*synth, ir, cmr, Si-29 nmr*)