



>>Entry Name: 3-[Tris(trimethylsilyloxy)silyl]-1-propanol

Synonym(s): 3-[3,3,3-Trimethyl-1,1-bis(trimethylsiloxy)disiloxanyl]-1-propanol, 8CI

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

Molecular Formula: $\text{C}_{12}\text{H}_{34}\text{O}_4\text{Si}_4$

Molecular Weight: 354.74

Accurate Mass: 354.153418

Percentage Composition: C 40.63%; H 9.66%; O 18.04%; Si 31.67%

>>Derivative: 2-Methyl-2-propenoyl

Synonym(s): X22-2404. X22-5002

CAS Registry Number: 17096-07-0

Molecular Formula: $\text{C}_{16}\text{H}_{38}\text{O}_5\text{Si}_4$

Molecular Weight: 422.815

Accurate Mass: 422.179633

Percentage Composition: C 45.45%; H 9.06%; O 18.92%; Si 26.57%

Use/Importance: Monomer for water-repellent polymers

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

References:

U.S. Pat., 1968, 3 377 371; *CA*, **69**, 3001m, (*synth, use*)