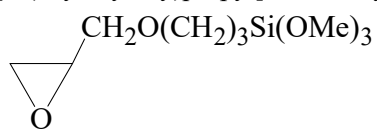




>>Entry Name: Trimethoxy[3-(oxiranylmethoxy)propyl]silane, 9CI

Synonym(s): [3-(2,3-Epoxypropoxy)propyl]trimethoxysilane, 8CI. [3-(Glycidyoxy)propyl]trimethoxysilane



CAS Registry Number: 2530-83-8

Molecular Formula: C₉H₂₀O₅Si

Molecular Weight: 236.34

Accurate Mass: 236.108002

Percentage Composition: C 45.74%; H 8.53%; O 33.85%; Si 11.88%

Source/Synthesis: Synth. from allyl glycidyl ether + Trimethoxysilane [GGZ11-A](#)

Use/Importance: Used in adhesives e.g. for bonding plastics to glass

Density: d 1.07

Aldrich: 44016-7

Rare Chemicals Library: S56541-5

Sigma: G1535

>>Variant: (±)-form

Molecular Formula: C₉H₂₀O₅Si

Molecular Weight: 236.34

Accurate Mass: 236.108002

Percentage Composition: C 45.74%; H 8.53%; O 33.85%; Si 11.88%

Boiling Point: Bp₂ 120°

Density: d 1.07

Refractive Index: n_D²⁰ 1.4290

References:

Ger. Pat., 1971, 1 937 904; *CA*, **74**, 100217x, (*synth*)

Ger. Pat., 1973, 2 159 991; *CA*, **79**, 78952n, (*synth*)

Crispy, A. *et al.*, *Eur. Polym. J.*, 1981, **17**, 213-220, (*pmr*, *ir*)

Hu, C. *et al.*, *J. Macromol. Sci., Chem., Part A*, 1989, **26**, 349-360, (*synth*)