



>>Derivative: Divinyl ether

Synonym(s): 3,6,9,12-Tetraoxatetradeca-1,13-diene, 9Cl

CAS Registry Number: 765-12-8

Molecular Formula: $C_{10}H_{18}O_4$

Molecular Weight: 202.25

Accurate Mass: 202.12051

Percentage Composition: C 59.39%; H 8.97%; O 31.64%

Use/Importance: Crosslinking monomer. Used in radiation-curable coatings

Boiling Point: Bp_{18} 120-126°

Refractive Index: n_D^{20} 1.4530

Aldrich: 32980-0

>>Derivative: Monobutyl ether

CAS Registry Number: 143-22-6

Molecular Formula: $C_{10}H_{22}O_4$

Molecular Weight: 206.281

Accurate Mass: 206.15181

Percentage Composition: C 58.23%; H 10.75%; O 31.02%

Use/Importance: Solvent for paints, lacquers etc.

Physical Description: Liq.

Melting Point: Fp -48°

Boiling Point: Bp 276°

Solubility: Misc. H_2O

Fluka: 90440

Rare Chemicals Library: S35652-2

>>Derivative: Monooctyl ether

Synonym(s): 2-[2-(2-Octyloxyethoxy)ethoxy]ethanol

CAS Registry Number: 19327-38-9

Molecular Formula: $C_{14}H_{30}O_4$

Molecular Weight: 262.389

Accurate Mass: 262.21441

Percentage Composition: C 64.09%; H 11.52%; O 24.39%

Melting Point: Fp -10.4°

Boiling Point: Bp_2 171-171.2°

Density: d_4^{20} 0.9477

Refractive Index: n_D^{20} 1.4456

>>Derivative: Monododecyl ether

Synonym(s): 2-[2-(2-Dodecyloxyethoxy)ethoxy]ethanol

CAS Registry Number: 3055-94-5

Molecular Formula: $C_{18}H_{38}O_4$

Molecular Weight: 318.496

Accurate Mass: 318.27701

Percentage Composition: C 67.88%; H 12.03%; O 20.09%

Use/Importance: Nonionic surfactant

Melting Point: Mp 17°. Fp 17.2° (12.3°)

Boiling Point: $Bp_{0.002}$ 151-151.8°. $Bp_{0.035}$ 153°

Density: d_4^{25} 0.9265

Refractive Index: n_D^{25} 1.4489

>>Derivative: Dinitrate

Synonym(s): 1,2-Bis(2-nitrooxyethoxy)ethane. *O,O'*-Dinitrotriethylene glycol

CAS Registry Number: 111-22-8

Molecular Formula: $C_6H_{12}N_2O_8$

Molecular Weight: 240.169

Accurate Mass: 240.059368

Percentage Composition: C 30.01%; H 5.04%; N 11.66%; O 53.29%

Boiling Point: Bp_4 158-159°

Density: d_{20}^{20} 1.3361

Refractive Index: n_D^{20} 1.4537

References: