



>>Derivative: Tris(3-mercaptopropanoyl)

CAS Registry Number: 33007-83-9

Molecular Formula: C₁₅H₂₆O₆S₃

Molecular Weight: 398.565

Accurate Mass: 398.08915

Percentage Composition: C 45.20%; H 6.57%; O 24.09%; S 24.14%

Boiling Point: Bp_{0.3} 220°

>>Derivative: Trinitrate

Synonym(s): 2-Ethyl-2-[(nitrooxy)methyl]-1,3-propanediol dinitrate (ester), 9CI. **Propatyl nitrate**, BAN, INN, USAN. Ettriol trinitrate. Etradil. Win 9317. Etrynit. Many other names

CAS Registry Number: 2921-92-8

Molecular Formula: C₆H₁₁N₃O₉

Molecular Weight: 269.168

Accurate Mass: 269.049532

Percentage Composition: C 26.77%; H 4.12%; N 15.61%; O 53.50%

Biological Use/Importance: Coronary vasodilator

Physical Description: Powder

Melting Point: Mp 51-52°

Calculated Log P Data: Log P 2.51 (calc)

>>Derivative: Mono-2-propenyl ether

Synonym(s): 2-Ethyl-2-[(2-propenyloxy)methyl]-1,3-propanediol. 2-[(Allyloxy)methyl]-2-ethyl-1,3-propanediol. Trimethylolpropane monoallyl ether

CAS Registry Number: 682-11-1

Molecular Formula: C₉H₁₈O₃

Molecular Weight: 174.239

Accurate Mass: 174.125595

Percentage Composition: C 62.04%; H 10.41%; O 27.55%

Boiling Point: Bp₄ 122-160°

>>Derivative: Di-2-propenyl ether

Synonym(s): 2,2-Bis[(2-propenyloxy)methyl]-1-butanol, 9CI

CAS Registry Number: 682-09-7

Molecular Formula: C₁₂H₂₂O₃

Molecular Weight: 214.304

Accurate Mass: 214.156895

Percentage Composition: C 67.26%; H 10.35%; O 22.40%

Use/Importance: Cross-linking monomer

Boiling Point: Bp₄ 110-126°

Aldrich: 41612-6

>>Derivative: Tris(oxiranylmethyl) ether

Synonym(s): 2,2'-[[2-Ethyl-2-[(oxiranylmethoxy)methyl]-1,3-propanediyl]bis(oxymethylene)]bisoxirane. 1-(2,3-Epoxypropoxy)-2,2-bis[(2,3-epoxypropoxy)methyl] butane. Pentaglycerol triglycidyl ether

CAS Registry Number: 3454-29-3

Molecular Formula: C₁₅H₂₆O₆

Molecular Weight: 302.367

Accurate Mass: 302.17294

Percentage Composition: C 59.58%; H 8.67%; O 31.75%

Use/Importance: Reactive monomer for plastics

References: