



Melting Point: Fp -31°

Boiling Point: Bp 186-187°

Solubility: Misc. EtOH, Et₂O; spar. sol. H₂O

Hazard & Toxicity: Fl. p. 104°, autoignition temp. 635°. Eye irritant. LD₅₀ (rat, orl) 6850 mg/kg

Aldrich: 17802-0

Fluka: 31470

Rare Chemicals Library: S54078-1

Sigma: E5015

>>**Derivative:** Mono-2-propenoyl

see 2-Hydroxyethyl acrylate, [KVX89-M](#)

>>**Derivative:** Di-2-propenoyl

see Ethylene diacrylate, [HOP27-A](#)

>>**Derivative:** Dihexadecanoyl

CAS Registry Number: 624-03-3

Molecular Formula: C₃₄H₆₆O₄

Molecular Weight: 538.893

Accurate Mass: 538.49611

Percentage Composition: C 75.78%; H 12.34%; O 11.88%

Physical Description: Cryst. (EtOH or Me₂CO)

Melting Point: Mp 69-70°

>>**Derivative:** Monooctadecanoyl

Synonym(s): 2-(Octadecanoyloxy)ethanol. Ethylene glycol monostearate. Monostearoylglycol

CAS Registry Number: 111-60-4

Molecular Formula: C₂₀H₄₀O₃

Molecular Weight: 328.534

Accurate Mass: 328.297745

Percentage Composition: C 73.12%; H 12.27%; O 14.61%

Physical Description: Cryst. (petrol)

Melting Point: Mp 60-61°

Solubility: Sol. EtOH

>>**Derivative:** Dioctadecanoyl

CAS Registry Number: 627-83-8

Molecular Formula: C₃₈H₇₄O₄

Molecular Weight: 595

Accurate Mass: 594.55871

Percentage Composition: C 76.71%; H 12.54%; O 10.76%

Physical Description: Cryst. (hexane)

Melting Point: Mp 79° (75.5-76°)

>>**Derivative:** Monobenzoyl

CAS Registry Number: 94-33-7

Molecular Formula: C₉H₁₀O₃

Molecular Weight: 166.176

Accurate Mass: 166.062995

Percentage Composition: C 65.05%; H 6.07%; O 28.88%

Physical Description: Cryst.

Melting Point: Mp 45°

Boiling Point: Bp₁₄ 162-164°. Bp_{0.4} 101-104°

Density: d₁₅¹⁵ 1.09

Refractive Index: n_D²⁵ 1.5246