



Melting Point: Mp 99-101°
Aldrich: 36937-3
Rare Chemicals Library: S39670-2

>>Derivative: Tri(2-propenoyl)
Synonym(s): Pentaerythritol triacrylate. PETA

CAS Registry Number: 3524-68-3
Molecular Formula: C₁₄H₁₈O₇
Molecular Weight: 298.292
Accurate Mass: 298.105255
Percentage Composition: C 56.37%; H 6.08%; O 37.55%
Use/Importance: Monomer used in photopolym. compositions
Aldrich: 24679-4
Fluka: 76655

>>Derivative: Tetra(2-propenoyl)
Synonym(s): Pentaerythritol tetraacrylate

CAS Registry Number: 4986-89-4
Molecular Formula: C₁₇H₂₀O₈
Molecular Weight: 352.34
Accurate Mass: 352.11582
Percentage Composition: C 57.95%; H 5.72%; O 36.33%
Use/Importance: Monomer used in photopolym. compositions
Aldrich: 40826-3

>>Derivative: Tri(2-methyl-2-propenoyl)

CAS Registry Number: 3524-66-1
Molecular Formula: C₁₇H₂₄O₇
Molecular Weight: 340.372
Accurate Mass: 340.152205
Percentage Composition: C 59.99%; H 7.11%; O 32.90%
Use/Importance: Photographic curing agent; cross-linking agent for polymers
Boiling Point: Bp_{0.8} 135°

>>Derivative: Tetrakis(mercaptoacetyl)
Synonym(s): Pentaerythritol tetrathioglycollate

CAS Registry Number: 10193-99-4
Molecular Formula: C₁₃H₂₀O₈S₄
Molecular Weight: 432.56
Accurate Mass: 432.0041
Percentage Composition: C 36.10%; H 4.66%; O 29.59%; S 29.65%
Use/Importance: Cross-linking agent for polymers
Density: d²⁵ 1.385
Refractive Index: n_D²⁵ 1.5499
Aldrich: 38147-0
Rare Chemicals Library: S36433-9

>>Derivative: Tri(2-propenyl) ether
Synonym(s): 3-(2-Propenyloxy)-2,2-bis[(2-propenyloxy)methyl]-1-propanol, 9CI

CAS Registry Number: 1471-17-6
Molecular Formula: C₁₄H₂₄O₄
Molecular Weight: 256.341
Accurate Mass: 256.16746
Percentage Composition: C 65.60%; H 9.44%; O 24.97%
Use/Importance: Monomer
Physical Description: Liq.
Boiling Point: Bp₁₀ 152°
Refractive Index: n_D²⁰ 1.4650
Aldrich: 25172-0