



Density: d^{20} 0.894

Refractive Index: n_D^{20} 1.4240

Other Data: Q/e values for copolym., Q 0.82, e +0.28. Rate for radical polym., k_p 372 L mol⁻¹ s⁻¹, k_t 2.9 x 10⁻⁵ L mol⁻¹ s⁻¹ (30°)

Aldrich: 23586-5

Fluka: 64110

Sigma: B8637

>>**Derivative:** 2-Methylpropyl ester

Synonym(s): Isobutyl methacrylate

CAS Registry Number: 97-86-9

Molecular Formula: C₈H₁₄O₂

Molecular Weight: 142.197

Accurate Mass: 142.09938

Percentage Composition: C 67.57%; H 9.92%; O 22.50%

Boiling Point: Bp 153-155°

Solubility: Insol. H₂O; misc. EtOH, Et₂O

Density: d^{20} 0.886

Refractive Index: n_D^{20} 1.4199

Other Data: Q/e values for copolym., Q 0.82, e +0.27

Aldrich: 16991-9

Fluka: 64190

Rare Chemicals Library: S55800-1

>>**Derivative:** *tert*-Butyl ester

CAS Registry Number: 585-07-9

Molecular Formula: C₈H₁₄O₂

Molecular Weight: 142.197

Accurate Mass: 142.09938

Percentage Composition: C 67.57%; H 9.92%; O 22.50%

Boiling Point: Bp₃₅ 52°

Refractive Index: n_D^{25} 1.4120

Aldrich: 46335-3

>>**Derivative:** Pentyl ester

CAS Registry Number: 2849-98-1

Molecular Formula: C₉H₁₆O₂

Molecular Weight: 156.224

Accurate Mass: 156.11503

Percentage Composition: C 69.19%; H 10.32%; O 20.48%

Boiling Point: Bp₄ 54-57°

Density: d^{20} 0.89

Other: PB: A31600

>>**Derivative:** Hexyl ester

CAS Registry Number: 142-09-6

Molecular Formula: C₁₀H₁₈O₂

Molecular Weight: 170.251

Accurate Mass: 170.13068

Percentage Composition: C 70.55%; H 10.66%; O 18.80%

Boiling Point: Bp 204-210°

Density: d_4^{25} 0.894

Refractive Index: n_D^{20} 1.4310

Aldrich: 46237-3

>>**Derivative:** 1-Methylpentyl ester

Molecular Formula: C₁₀H₁₈O₂

Molecular Weight: 170.251

Accurate Mass: 170.13068

Percentage Composition: C 70.55%; H 10.66%; O 18.80%

Boiling Point: Bp_{11.5} 71.3-72°

Refractive Index: n_D^{20} 1.4266