



Boiling Point: Bp 119-120°. Bp₁₈ 30°
Solubility: Sl. sol. H₂O, CHCl₃; sol. EtOH, Et₂O
Density: d²⁰ 0.913
Refractive Index: n_D²⁰ 1.4147
Other Data: Q/e values for copolym., Q 0.76, e +0.17. Rate for radical polym., k_p 126 L mol⁻¹ s⁻¹, k_t 7.35 x 10⁻⁶ L mol⁻¹ s⁻¹ (30°)
Hazard & Toxicity: Flammable, fl. p. 15/28°. Skin irritant. Exp. reprod. and teratogenic effects. Low acute tox.

Aldrich: 23489-3
Fluka: 64070
Supelco: 44-2585

>>**Derivative:** Propyl ester
Synonym(s): Propyl methacrylate

CAS Registry Number: 2210-28-8
Molecular Formula: C₇H₁₂O₂
Molecular Weight: 128.171
Accurate Mass: 128.08373
Percentage Composition: C 65.60%; H 9.44%; O 24.97%
Physical Description: Liq.
Boiling Point: Bp 141°
Solubility: Insol. H₂O; misc. Et₂O, EtOH
Density: d²⁰ 0.902
Refractive Index: n_D²⁰ 1.4191

>>**Derivative:** Isopropyl ester
Synonym(s): Isopropyl methacrylate

CAS Registry Number: 4655-34-9
Molecular Formula: C₇H₁₂O₂
Molecular Weight: 128.171
Accurate Mass: 128.08373
Percentage Composition: C 65.60%; H 9.44%; O 24.97%
Physical Description: Liq.
Boiling Point: Bp 125°
Solubility: Insol. H₂O; v. sol. Et₂O, EtOH, C₆H₆, Me₂CO
Density: d²⁰ 0.885
Refractive Index: n_D²⁰ 1.4122
Other Data: Q/e values for copolym., Q 0.97, e +0.10. Rate for radical polym., k_p 121 L mol⁻¹ s⁻¹, k_t 4.5 x 10⁻⁶ L mol⁻¹ s⁻¹ (30°)

>>**Derivative:** 2-Propenyl ester
Synonym(s): Allyl methacrylate

CAS Registry Number: 96-05-9
Molecular Formula: C₇H₁₀O₂
Molecular Weight: 126.155
Accurate Mass: 126.06808
Percentage Composition: C 66.65%; H 7.99%; O 25.36%
Boiling Point: Bp₄₃ 59-61°
Density: d²⁰ 0.935
Refractive Index: n_D²⁰ 1.4365

Aldrich: 23493-1
Fluka: 64079

>>**Derivative:** Butyl ester
Synonym(s): Butyl methacrylate