



Synonym(s): Cyclohexyl 2-propenoate. Cyclohexyl acrylate

CAS Registry Number: 3066-71-5

Molecular Formula: $C_9H_{14}O_2$

Molecular Weight: 154.208

Accurate Mass: 154.09938

Percentage Composition: C 70.10%; H 9.15%; O 20.75%

Boiling Point: Bp 182-184°. Bp₁₁ 75°

Density: d_4^{20} 0.9796

Refractive Index: n_D^{20} 1.4600

>> **Derivative:** Octyl ester

CAS Registry Number: 2499-59-4

Molecular Formula: $C_{11}H_{20}O_2$

Molecular Weight: 184.278

Accurate Mass: 184.14633

Percentage Composition: C 71.70%; H 10.94%; O 17.36%

Boiling Point: Bp_{0.05} 57°

Density: d_4^{20} 0.881

Refractive Index: n_D^{20} 1.4350

Other Data: Q/e values for copolym., Q 0.63, e +2.01. Copolym. with vinyl chloride: r_{OA} 4.8; r_{VC} 0.12 (typical values, 45°): Q 0.35; e 1.07

>> **Derivative:** 2-Ethylhexyl ester

CAS Registry Number: 103-11-7

Extra CAS Registry Numbers(s): 126830-04-4

Molecular Formula: $C_{11}H_{20}O_2$

Molecular Weight: 184.278

Accurate Mass: 184.14633

Percentage Composition: C 71.70%; H 10.94%; O 17.36%

Melting Point: Mp -90°

Boiling Point: Bp 214-220°. Bp₈ 85°

Density: d_4^{20} 0.885

Refractive Index: n_D 1.4365

Other Data: Q/e values for copolym., Q 0.37, e +0.24. Racemate. Known also in opt. active form.

Aldrich: 29081-5

Fluka: 1760

Sigma: A1915

>> **Derivative:** 1-Methylheptyl ester

Extra CAS Registry Numbers(s): 13058-88-3 15754-49-1 42928-85-8

Molecular Formula: $C_{11}H_{20}O_2$

Molecular Weight: 184.278

Accurate Mass: 184.14633

Percentage Composition: C 71.70%; H 10.94%; O 17.36%

Boiling Point: Bp_{5.4} 79°

Density: d_4^{20} 0.88

Refractive Index: n_D^{20} 1.4312

>> **Derivative:** 6-Methylheptyl ester

CAS Registry Number: 29590-42-9

Molecular Formula: $C_{11}H_{20}O_2$

Molecular Weight: 184.278

Accurate Mass: 184.14633

Percentage Composition: C 71.70%; H 10.94%; O 17.36%

Aldrich: 43742-5

>> **Derivative:** Tridecyl ester

CAS Registry Number: 3076-04-8

Molecular Formula: $C_{16}H_{30}O_2$

Molecular Weight: 254.412

Accurate Mass: 254.22458

Percentage Composition: C 75.54%; H 11.89%; O 12.58%

Boiling Point: Bp₁₀ 150°