



Molecular Weight: 324.546
Percentage Composition: C 77.72%; H 12.42%; O 9.86%
Physical Description: Oil
Boiling Point: Bp₁₃ 220-225°
Sigma: O9625

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

CAS Registry Number: 112-11-8

Molecular Formula: C₂₁H₄₀O₂
Molecular Weight: 324.546
Accurate Mass: 324.30283
Percentage Composition: C 77.72%; H 12.42%; O 9.86%
Biological Source: Constit. of the pheromone of the beetle *Dermestes maculatus*
Physical Description: Oil
Boiling Point: Bp₁₆ 218°

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

CAS Registry Number: 142-77-8
Molecular Formula: C₂₂H₄₂O₂
Molecular Weight: 338.573
Percentage Composition: C 78.05%; H 12.50%; O 9.45%
Use/Importance: Plasticiser
Physical Description: Pale yellow oil
Melting Point: Mp -26.4°
Boiling Point: Bp 350-360° dec.. Bp₁₅ 225-226°
Solubility: Insol. H₂O

Sigma: O7500

>>**Derivative:** Vinyl ester
Synonym(s): Vinyl oleate

CAS Registry Number: 3896-58-0
Molecular Formula: C₂₀H₃₆O₂
Molecular Weight: 308.503
Accurate Mass: 308.27153
Percentage Composition: C 77.87%; H 11.76%; O 10.37%
Physical Description: Oil
Boiling Point: Bp₂ 173°

>>**Derivative:** Decyl ester
Synonym(s): Decyl oleate

CAS Registry Number: 3687-46-5
Molecular Formula: C₂₈H₅₄O₂
Molecular Weight: 422.733
Accurate Mass: 422.41238
Percentage Composition: C 79.56%; H 12.87%; O 7.57%
Use/Importance: Used in cosmetics
Melting Point: Mp 18.2°
Refractive Index: n_D²⁰ 1.4522

>>**Derivative:** Tetradecyl ester
Synonym(s): Tetradecyl 9-octadecenoate. Tetradecyl oleate

CAS Registry Number: 22393-85-7

Molecular Formula: C₃₂H₆₂O₂
Molecular Weight: 478.841
Accurate Mass: 478.47498
Percentage Composition: C 80.27%; H 13.05%; O 6.68%
Biological Source: Constit. of the fruit of *Terminalia arjuna* and of the soft coral *Sarcophyton trocheliophorum*
Melting Point: Mp 22.5°