



CAS Registry Number: 3681-78-5
Molecular Formula: C₁₅H₃₀O₂
Molecular Weight: 242.401
Accurate Mass: 242.22458
Percentage Composition: C 74.33%; H 12.47%; O 13.20%
Boiling Point: Bp₁₈ 155-156°
Sigma: L3253

>>**Derivative:** Isopropyl ester
Synonym(s): Isopropyl dodecanoate. Isopropyl laurate

CAS Registry Number: 10233-13-3
Type of Compound Code(s): VA0370
Molecular Formula: C₁₅H₃₀O₂
Molecular Weight: 242.401
Accurate Mass: 242.22458
Percentage Composition: C 74.33%; H 12.47%; O 13.20%
Biological Source: Constit. of the pheromone of the beetle *Dermestes maculatus*

>>**Derivative:** Butyl ester
Synonym(s): Butyl dodecanoate. Butyl laurate. FEMA 2206

CAS Registry Number: 106-18-3
Type of Compound Code(s): VA0370 WI3500 WI4000 WE2000 WI3200
Molecular Formula: C₁₆H₃₂O₂
Molecular Weight: 256.428
Accurate Mass: 256.24023
Percentage Composition: C 74.94%; H 12.58%; O 12.48%
Biological Source: Found in various fruits
Use/Importance: Used in fruit flavouring
Melting Point: Mp -7°
Boiling Point: Bp₃₀ 194°. Bp_{4.5} 153.5°
Density: d₄²⁰ 0.86
Refractive Index: n_D²⁰ 1.4362

>>**Derivative:** 3-Methylbutyl ester
Synonym(s): 3-Methylbutyldodecanoate. Isoamyl laurate. FEMA 2077

CAS Registry Number: 6309-51-9
Type of Compound Code(s): WE9999
Molecular Formula: C₁₇H₃₄O₂
Molecular Weight: 270.454
Accurate Mass: 270.25588
Percentage Composition: C 75.50%; H 12.67%; O 11.83%
Physical Description: Oil

>>**Derivative:** Hexyl ester
Synonym(s): Hexyl dodecanoate. Hexyl laurate

CAS Registry Number: 34316-64-8
Molecular Formula: C₁₈H₃₆O₂
Molecular Weight: 284.481
Accurate Mass: 284.27153
Percentage Composition: C 76.00%; H 12.75%; O 11.25%
Physical Description: Oil
Boiling Point: Bp_{0.5} 133-135°. Bp₁₉ 199°
Density: d₄²⁰ 0.8585
Refractive Index: n_D²⁰ 1.4402