



Boiling Point: Bp₂ 162°

>>**Derivative:** Isopropyl ester

Synonym(s): Isopropyl hexadecanoate. Isopropyl palmitate. 1-Methylethyl hexadecanoate

CAS Registry Number: 142-91-6

Molecular Formula: C₁₉H₃₈O₂

Molecular Weight: 298.508

Accurate Mass: 298.28718

Percentage Composition: C 76.45%; H 12.83%; O 10.72%

Biological Source: Constit. of the pheromone of the beetle *Dermestes maculatus*

Melting Point: Mp 13-14°

Refractive Index: n_D²⁵ 1.4364

>>**Derivative:** Butyl ester

Synonym(s): Butyl hexadecanoate. Butyl palmitate

CAS Registry Number: 111-06-8

Molecular Formula: C₂₀H₄₀O₂

Molecular Weight: 312.535

Accurate Mass: 312.30283

Percentage Composition: C 76.86%; H 12.90%; O 10.24%

Biological Source: Isol. from *Atalantia monophylla*

Physical Description: Oil or cryst. (Et₂O or EtOH aq.)

Melting Point: Mp 16.9°

Boiling Point: Bp₁₀ 165-170°

Refractive Index: n_D⁵⁰ 1.4312 n_D⁷⁰ 1.4232

>>**Derivative:** Octyl ester

Synonym(s): Octyl hexadecanoate. Octyl palmitate

CAS Registry Number: 16958-85-3

Molecular Formula: C₂₄H₄₈O₂

Molecular Weight: 368.642

Accurate Mass: 368.36543

Percentage Composition: C 78.20%; H 13.12%; O 8.68%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 22.5°

Refractive Index: n_D⁵⁰ 1.4358 n_D⁷⁰ 1.4277

>>**Derivative:** Nonyl ester

Synonym(s): Nonyl hexadecanoate. Nonyl palmitate

CAS Registry Number: 42232-26-8

Molecular Formula: C₂₅H₅₀O₂

Molecular Weight: 382.669

Accurate Mass: 382.38108

Percentage Composition: C 78.47%; H 13.17%; O 8.36%

Biological Source: Constit. of the roots of *Citrullus colocynthis*

Physical Description: Cream powder (C₆H₆/hexane)

Melting Point: Mp 62°

>>**Derivative:** 4-Nitrophenyl ester

CAS Registry Number: 1492-30-4

Molecular Formula: C₂₂H₃₅NO₄

Molecular Weight: 377.523

Percentage Composition: C 69.99%; H 9.34%; N 3.71%; O 16.95%

Physical Description: Fine needles (hexane)

Melting Point: Mp 61-61.5°

Fluka: 76166

Sigma: N2752