



Percentage Composition: C 78.72%; H 13.21%; O 8.07%

Physical Description: Cryst.

Melting Point: Mp 31.8°

Refractive Index: n_D^{50} 1.4373 n_D^{70} 1.4300

>>Derivative: Decyl ester

CAS Registry Number: 32509-55-0

Molecular Formula: C₂₈H₅₆O₂

Molecular Weight: 424.749

Accurate Mass: 424.42803

Percentage Composition: C 79.18%; H 13.29%; O 7.53%

Physical Description: Cryst.

Melting Point: Mp 35°

Other: PB: D01215

>>Derivative: Octadecyl ester

Synonym(s): Octadecyl octadecanoate. Stearyl stearate

CAS Registry Number: 2778-96-3

Molecular Formula: C₃₆H₇₂O₂

Molecular Weight: 536.964

Accurate Mass: 536.55323

Percentage Composition: C 80.53%; H 13.51%; O 5.96%

Use/Importance: Lubricant for polymers

Physical Description: Cryst. (EtOH)

Melting Point: Mp 60°

>>Derivative: Ph ester

CAS Registry Number: 637-55-8

Molecular Formula: C₂₄H₄₀O₂

Molecular Weight: 360.579

Accurate Mass: 360.30283

Percentage Composition: C 79.94%; H 11.18%; O 8.87%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 52°

Boiling Point: Bp₁₅ 267°

>>Derivative: Chloride

CAS Registry Number: 112-76-5

Molecular Formula: C₁₈H₃₅ClO

Molecular Weight: 302.927

Accurate Mass: 302.237642

Percentage Composition: C 71.37%; H 11.65%; Cl 11.70%; O 5.28%

Physical Description: Cryst.

Melting Point: Mp 23°

Boiling Point: Bp₆ 202-203°

Hazard & Toxicity: Fl. p. >66°

Aldrich: 17115-8

Fluka: 85727

Sigma: S5253

>>Derivative: Amide

Synonym(s): Octadecanamide. Stearamide. Kemamide® S. Amide C-18

CAS Registry Number: 124-26-5

Molecular Formula: C₁₈H₃₇NO

Molecular Weight: 283.496

Accurate Mass: 283.287514

Percentage Composition: C 76.26%; H 13.15%; N 4.94%; O 5.64%

Biological Source: Alkaloid from *Zostera marina* (Zosteraceae) and *Rhizoclonium hieroglyphicum*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 109°

Boiling Point: Bp₁₂ 250-251°