



Molecular Weight: 338.573

Accurate Mass: 338.31848

Percentage Composition: C 78.05%; H 12.50%; O 9.45%

Biological Source: An important vegetable fatty acid, mainly confined to seed fats of the families Cruciferae and Tropaeaceae (e.g. rape, mustard and wallflower seeds).

Physical Description: Cryst. (MeCN)

Melting Point: Mp 33.5°

Other Data: Pharmacol. active isomer. Undergoes solid-state phase transitions

Aldrich: 85843-9

Fluka: 45630

Sigma: E6629

>>Derivative: Me ester

CAS Registry Number: 1120-34-9

Molecular Formula: C₂₃H₄₄O₂

Molecular Weight: 352.599

Percentage Composition: C 78.35%; H 12.58%; O 9.08%

Physical Description: Oil

Boiling Point: Bp₅ 221-222°

Other Data: Ir ν 1744 cm⁻¹

Fluka: 45659

Sigma: E7375

>>Derivative: Et ester

CAS Registry Number: 37910-77-3

Molecular Formula: C₂₄H₄₆O₂

Molecular Weight: 366.626

Accurate Mass: 366.34978

Percentage Composition: C 78.63%; H 12.65%; O 8.73%

Boiling Point: Bp₅ 229-230°

Sigma: E7627

>>Derivative: Chloride

CAS Registry Number: 7459-29-2

Molecular Formula: C₂₂H₄₁ClO

Molecular Weight: 357.018

Accurate Mass: 356.284592

Percentage Composition: C 74.01%; H 11.57%; Cl 9.93%; O 4.48%

Melting Point: Mp 14°

>>Derivative: Amide

Synonym(s): 13-Docosenamide. Newtron S

CAS Registry Number: 112-84-5

Type of Compound Code(s): VX0250

Molecular Formula: C₂₂H₄₃NO

Molecular Weight: 337.588

Accurate Mass: 337.334464

Percentage Composition: C 78.27%; H 12.84%; N 4.15%; O 4.74%

Biological Source: Isol from the cerebrospinal fluid of humans, cats and rats

Use/Importance: Antiblocking agent/lubricant for polymers. Sleep inducer

Melting Point: Mp 94° (65-66°)

Aldrich: 28057-7

Sigma: E8895

>>Derivative: Nitrile

CAS Registry Number: 73170-89-5

Boiling Point: Bp 238-240°

>>Derivative: Anhydride

CAS Registry Number: 103213-60-1

Melting Point: Mp 47.5-48°

References: