



Synonym(s): Oleoyl chloride

CAS Registry Number: 112-77-6

Molecular Formula: $C_{18}H_{33}ClO$

Molecular Weight: 300.911

Accurate Mass: 300.221992

Percentage Composition: C 71.85%; H 11.05%; Cl 11.78%; O 5.32%

Boiling Point: Bp₁₁ 200°

Aldrich: 36785-0

Fluka: 75135

Sigma: O0876

>>Derivative: Amide

Synonym(s): Oleamide

CAS Registry Number: 301-02-0

Molecular Formula: $C_{18}H_{35}NO$

Molecular Weight: 281.481

Accurate Mass: 281.271864

Percentage Composition: C 76.81%; H 12.53%; N 4.98%; O 5.68%

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

Use/Importance: Sleep inducer

Physical Description: Scales (EtOH)

Melting Point: Mp 75-76°

Solubility: BERDY SOL: Sol. MeOH

Sigma: O2136

>>Derivative: Nitrile

Synonym(s): Oleonitrile

CAS Registry Number: 112-91-4

Molecular Formula: $C_{18}H_{33}N$

Molecular Weight: 263.465

Accurate Mass: 263.261299

Percentage Composition: C 82.06%; H 12.62%; N 5.32%

Physical Description: Oil

Boiling Point: Bp 330-335° dec.

>>Derivative: Anhydride

Synonym(s): Oleic anhydride

CAS Registry Number: 24909-72-6

Molecular Formula: $C_{36}H_{66}O_3$

Molecular Weight: 546.916

Accurate Mass: 546.501195

Percentage Composition: C 79.06%; H 12.16%; O 8.78%

Physical Description: Leaflets or scales (EtOH or Et₂O)

Melting Point: Mp 22-24°

Boiling Point: Bp₁₁ 200-215°

Aldrich: 28415-7

Fluka: 75095

Sigma: O7251

>>Derivative: 9,10-Epoxyde

References: