



CAS Registry Number: 14113-01-0
Molecular Formula: C₁₀H₁₈O₄
Molecular Weight: 202.25
Accurate Mass: 202.12051
Percentage Composition: C 59.39%; H 8.97%; O 31.64%
Physical Description: Cryst. or oil
Melting Point: Mp 25°
Boiling Point: Bp₁₇ 192°

>>Derivative: Di-Et ester

CAS Registry Number: 2050-23-9
Molecular Formula: C₁₂H₂₂O₄
Molecular Weight: 230.303
Accurate Mass: 230.15181
Percentage Composition: C 62.58%; H 9.63%; O 27.79%
Physical Description: Oil
Melting Point: Mp 5°
Boiling Point: Bp 282°
Solubility: Insol. H₂O; sol. EtOH, Et₂O, CHCl₃
Density: d²⁰ 0.981
Refractive Index: n_D²⁰ 1.4328
Aldrich: D10060-9
Fluka: 60940
Sigma: S0632

>>Derivative: Et ester-chloride

Synonym(s): Ethyl 8-chloro-8-oxooctanoate, 9Cl

CAS Registry Number: 14113-02-1
Molecular Formula: C₁₀H₁₇ClO₃
Molecular Weight: 220.695
Accurate Mass: 220.086622
Percentage Composition: C 54.42%; H 7.76%; Cl 16.06%; O 21.75%
Physical Description: Oil
Boiling Point: Bp₂₃ 156-157°

>>Derivative: Dibutyl ester

CAS Registry Number: 16090-77-0
Molecular Formula: C₁₆H₃₀O₄
Molecular Weight: 286.411
Accurate Mass: 286.21441
Percentage Composition: C 67.10%; H 10.56%; O 22.34%
Source/Synthesis: Isol. from *Ocimum basilicum*
Boiling Point: Bp_{4.5} 175.5°
Refractive Index: n_D²⁰ 1.4390
Aldrich: 28063-1

>>Derivative: Dichloride

CAS Registry Number: 10027-07-3
Molecular Formula: C₈H₁₂Cl₂O₂
Molecular Weight: 211.087
Accurate Mass: 210.021434
Percentage Composition: C 45.52%; H 5.73%; Cl 33.59%; O 15.16%
Use/Importance: Monomer for polyesters and polyamides
Boiling Point: Bp₁₂ 149-150°
Aldrich: 23554-7
Sigma: S8762

>>Derivative: Monoamide

Synonym(s): 8-Amino-8-oxooctanoic acid, 9Cl. Suberamic acid