



Melting Point: Mp -24°
Boiling Point: Bp 282° . Bp₁₀₀ 192-194°
Solubility: Sol. Et₂O, EtOH
Density: d²⁰ 0.994
Refractive Index: n_D²⁰ 1.4305
Aldrich: D9970-6
Fluka: 80510
Sigma: P0896

>>Derivative: Di-*tert*-Butyl ester

CAS Registry Number: 55623-59-1
Molecular Formula: C₁₅H₂₈O₄
Molecular Weight: 272.384
Accurate Mass: 272.19876
Percentage Composition: C 66.14%; H 10.36%; O 23.50%
Physical Description: Liq.
Boiling Point: Bp₁₁ 148°

>>Derivative: Bis-4-bromophenacyl ester

Physical Description: Cryst. (EtOH or Me₂CO aq.)
Melting Point: Mp 140-142° (136.6°)

>>Derivative: Dichloride

CAS Registry Number: 142-79-0
Molecular Formula: C₇H₁₀Cl₂O₂
Molecular Weight: 197.06
Accurate Mass: 196.005784
Percentage Composition: C 42.67%; H 5.11%; Cl 35.98%; O 16.24%
Use/Importance: Monomer for polyesters
Physical Description: Liq.
Boiling Point: Bp₁₅ 137°. Bp_{0.2} 93-97°
Aldrich: 25131-3

>>Derivative: Diamide

Synonym(s): 1,5-Pentanedicarboxamide

CAS Registry Number: 1740-56-3
Molecular Formula: C₇H₁₄N₂O₂
Molecular Weight: 158.2
Accurate Mass: 158.105528
Percentage Composition: C 53.15%; H 8.92%; N 17.71%; O 20.23%
Physical Description: Cryst. (EtOH or MeOH)
Melting Point: Mp 174-175°

>>Derivative: Dihydrazide

CAS Registry Number: 13043-98-6
Molecular Formula: C₇H₁₆N₄O₂
Molecular Weight: 188.229
Accurate Mass: 188.127326
Percentage Composition: C 44.67%; H 8.57%; N 29.77%; O 17.00%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 186-187° (182°)
Rare Chemicals Library: S36457-6

>>Derivative: Mononitrile

Synonym(s): 6-Cyanohehexanoic acid

CAS Registry Number: 5602-19-7
Molecular Formula: C₇H₁₁NO₂
Molecular Weight: 141.169
Accurate Mass: 141.078979
Percentage Composition: C 59.56%; H 7.85%; N 9.92%; O 22.67%
Physical Description: Liq.
Boiling Point: Bp₁ 149°