



Melting Point: Mp 67.4°

>>**Derivative:** Chloride

CAS Registry Number: 111-64-8

Molecular Formula: C₈H₁₅ClO

Molecular Weight: 162.659

Accurate Mass: 162.081142

Percentage Composition: C 59.07%; H 9.29%; Cl 21.80%; O 9.84%

Boiling Point: Bp 195-196°. Bp₁₅ 83°

Hazard & Toxicity: Fl. p. 82°

Aldrich: O-473-3

Fluka: 21710

Sigma: O1753

>>**Derivative:** Amide

Synonym(s): Octanamide. Caprylamide

CAS Registry Number: 629-01-6

Molecular Formula: C₈H₁₇NO

Molecular Weight: 143.228

Accurate Mass: 143.131014

Percentage Composition: C 67.09%; H 11.96%; N 9.78%; O 11.17%

Physical Description: Leaves

Melting Point: Mp 110°

>>**Derivative:** Hydrazide

CAS Registry Number: 6304-39-8

Molecular Formula: C₈H₁₈N₂O

Molecular Weight: 158.243

Accurate Mass: 158.141913

Percentage Composition: C 60.72%; H 11.46%; N 17.70%; O 10.11%

Melting Point: Mp 87-89°

Aldrich: 29334-2

Fluka: 21715

>>**Derivative:** Nitrile

Synonym(s): Octanenitrile, 9Cl. Caprylonitrile. 1-Cyanoheptane. Heptyl cyanide

CAS Registry Number: 124-12-9

Molecular Formula: C₈H₁₅N

Molecular Weight: 125.213

Accurate Mass: 125.120449

Percentage Composition: C 76.74%; H 12.07%; N 11.19%

Physical Description: Oil

Boiling Point: Bp 198-200°. Bp₁₃ 90-92°

Refractive Index: n_D²⁰ 1.4200

Hazard & Toxicity: LD₅₀ (mus, orl) 1764 mg/kg

Aldrich: 12853-8

Fluka: 21740

>>**Derivative:** Anhydride

Synonym(s): Octanoic anhydride. Caprylic anhydride

CAS Registry Number: 623-66-5

Molecular Formula: C₁₆H₃₀O₃

Molecular Weight: 270.411

Accurate Mass: 270.219495

Percentage Composition: C 71.07%; H 11.18%; O 17.75%

Melting Point: Mp -1°

Boiling Point: Bp 280-285°. Bp₁₅ 186°

Sigma: C3517

References: