



CAS Registry Number: 61798-00-3
Molecular Formula: $C_9H_{17}NO_3$
Molecular Weight: 187.238
Accurate Mass: 187.120844
Percentage Composition: C 57.73%; H 9.15%; N 7.48%; O 25.63%
Physical Description: Cryst. (H_2O)
Melting Point: Mp 112-115°

>>Derivative: Diamide

CAS Registry Number: 1842-72-4
Molecular Formula: $C_9H_{18}N_2O_2$
Molecular Weight: 186.253
Accurate Mass: 186.136828
Percentage Composition: C 58.04%; H 9.74%; N 15.04%; O 17.18%
Physical Description: Prisms
Melting Point: Mp 175°

>>Derivative: Mononitrile

Synonym(s): 8-Cyanooctanoic acid, 9Cl. 8-Cyanocaprylic acid

CAS Registry Number: 37056-34-1
Molecular Formula: $C_9H_{15}NO_2$
Molecular Weight: 169.223
Accurate Mass: 169.110279
Percentage Composition: C 63.88%; H 8.93%; N 8.28%; O 18.91%
Physical Description: Oil
Boiling Point: Bp₅ 158-160°

>>Derivative: Mononitrile, Et ester

CAS Registry Number: 86394-91-4
Molecular Formula: $C_{11}H_{19}NO_2$
Molecular Weight: 197.277
Accurate Mass: 197.141579
Percentage Composition: C 66.97%; H 9.71%; N 7.10%; O 16.22%
Physical Description: Oil
Boiling Point: Bp₄ 127-130°
Solubility: Sol. Et_2O , EtOH, C_6H_6
Density: d¹⁹ 0.92

>>Derivative: Dinitrile

Synonym(s): 1,7-Dicyanoheptane

CAS Registry Number: 1675-69-0
Molecular Formula: $C_9H_{14}N_2$
Molecular Weight: 150.223
Accurate Mass: 150.115698
Percentage Composition: C 71.96%; H 9.39%; N 18.65%
Physical Description: Liq.
Boiling Point: Bp₂₀ 195°
Refractive Index: n_D²⁵ 1.4426
Aldrich: 19020-9
Fluka: 11540

>>Derivative: Anhydride

Synonym(s): 2,10-Oxecanedione, 9Cl. Azelaic anhydride

CAS Registry Number: 4196-95-6
Molecular Formula: $C_9H_{14}O_3$
Molecular Weight: 170.208
Accurate Mass: 170.094295
Percentage Composition: C 63.51%; H 8.29%; O 28.20%
Melting Point: Mp 53-55°

References: