



CAS Registry Number: 16252-90-7

Molecular Formula: $C_4H_{10}N_2O$

Molecular Weight: 102.136

Accurate Mass: 102.079313

Percentage Composition: C 47.04%; H 9.87%; N 27.43%; O 15.66%

Physical Description: Cryst. ($CHCl_3$ /petrol)

Melting Point: Mp 127°

>>Derivative: Nitrile

Synonym(s): 2-Cyano-2-propylamine

CAS Registry Number: 19355-69-2

Molecular Formula: $C_4H_8N_2$

Molecular Weight: 84.121

Accurate Mass: 84.068748

Percentage Composition: C 57.11%; H 9.59%; N 33.30%

Physical Description: Oil

Boiling Point: Bp₁₅ 51-52°

Solubility: Sol. H_2O , EtOH, Et₂O, C_6H_6

>>Derivative: Nitrile; hydrochloride

Physical Description: Needles (EtOH/Et₂O)

Melting Point: Mp 144-146°

>>Derivative: *N*-Formyl, amide

CAS Registry Number: 124070-84-4

Molecular Formula: $C_5H_{10}N_2O_2$

Molecular Weight: 130.146

Accurate Mass: 130.074228

Percentage Composition: C 46.14%; H 7.74%; N 21.52%; O 24.59%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 160-163°

>>Derivative: *N*-tert-Butyloxycarbonyl

CAS Registry Number: 30992-29-1

Molecular Formula: $C_9H_{17}NO_4$

Molecular Weight: 203.238

Accurate Mass: 203.115759

Percentage Composition: C 53.19%; H 8.43%; N 6.89%; O 31.49%

Physical Description: Cryst. (Et₂O or CH_2Cl_2 /hexane)

Melting Point: Mp 119-120°