



Percentage Composition: C 68.37%; H 7.82%; N 7.25%; O 16.56%

Boiling Point: Bp₁₀ 143°

>>**Derivative:** Et ester; hydrochloride

CAS Registry Number: 19881-53-9

Melting Point: Mp 127°

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

CAS Registry Number: 16367-71-8

Molecular Formula: C₁₃H₁₉NO₂

Molecular Weight: 221.299

Accurate Mass: 221.141579

Percentage Composition: C 70.56%; H 8.65%; N 6.33%; O 14.46%

Physical Description: Liq.

Boiling Point: Bp_{0.35} 96°

Density: d₄²⁰ 1.01

Refractive Index: n_D²⁰ 1.4536

>>**Derivative:** Benzyl ester

CAS Registry Number: 25282-53-5

Molecular Formula: C₁₆H₁₇NO₂

Molecular Weight: 255.316

Accurate Mass: 255.125929

Percentage Composition: C 75.27%; H 6.71%; N 5.49%; O 12.53%

Melting Point: Mp 196° (as hydrochloride)

>>**Derivative:** Amide

CAS Registry Number: 17193-31-6

Molecular Formula: C₉H₁₂N₂O

Molecular Weight: 164.207

Percentage Composition: C 65.83%; H 7.37%; N 17.06%; O 9.74%

Physical Description: Prisms (CHCl₃)

Melting Point: Mp 138-140°

>>**Derivative:** Nitrile

Synonym(s): α -Aminobenzenepropanenitrile, 9CI. 1-Cyano-2-phenylethylamine. 2-Amino-3-phenylpropionitrile

Molecular Formula: C₉H₁₀N₂

Molecular Weight: 146.191

Accurate Mass: 146.084398

Percentage Composition: C 73.94%; H 6.89%; N 19.16%

Melting Point: Mp 39.5-40.5°

>>**Derivative:** *N*-Formyl

CAS Registry Number: 4289-95-6

Molecular Formula: C₁₀H₁₁NO₃

Molecular Weight: 193.202

Percentage Composition: C 62.17%; H 5.74%; N 7.25%; O 24.84%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 168-169°

Sigma: F3387