



Physical Description: Cryst. (EtOH)
Melting Point: Mp 61°
Boiling Point: Bp 134-135°
Solubility: Sol. H₂O, EtOH, Et₂O, Me₂CO
pKa Value: pK_a 12.42 (25°)

Aldrich: A1050-7
Fluka: 750
Sigma: A2125

>>Derivative: *O*-(Benzyloxycarbonyl)oxime

CAS Registry Number: 137160-76-0
Molecular Formula: C₁₁H₁₃NO₃
Molecular Weight: 207.229
Accurate Mass: 207.089544
Percentage Composition: C 63.76%; H 6.32%; N 6.76%; O 23.16%
Physical Description: Cryst. (hexane)
Melting Point: Mp 46-48°

>>Derivative: Hydrazone

>>Derivative: Phenylhydrazone

CAS Registry Number: 103-02-6
Molecular Formula: C₉H₁₂N₂
Molecular Weight: 148.207
Accurate Mass: 148.100048
Percentage Composition: C 72.94%; H 8.16%; N 18.90%
Physical Description: Liq.
Boiling Point: Bp₁₀ 128°
Density: d₄²⁰ 1.012

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 1567-89-1

Molecular Formula: C₉H₁₀N₄O₄
Molecular Weight: 238.202
Accurate Mass: 238.070206
Percentage Composition: C 45.38%; H 4.23%; N 23.52%; O 26.87%
Use/Importance: Used as 0.05% EtOH soln. as acid-base indicator (pH range: 11.6-12.6; colour change: pale yellow → red)