



Optical Rotation: $[\alpha]_D^{23} -17.3$ (c, 2.0 in EtOH)

>>**Derivative:** *N*-Benzyloxycarbonyl, Et ester

CAS Registry Number: 2503-32-4

Molecular Formula: C₁₅H₂₂N₂O₅

Molecular Weight: 310.349

Accurate Mass: 310.152873

Percentage Composition: C 58.05%; H 7.14%; N 9.03%; O 25.78%

Physical Description: Cryst. (EtOAc/cyclohexane)

Melting Point: Mp 88-89.5°

Optical Rotation: $[\alpha]_D^{19} -18.3$ (c, 2.0 in EtOH)

>>**Variant:** (±)-form

CAS Registry Number: 1188-01-8

Molecular Formula: C₅H₁₀N₂O₃

Molecular Weight: 146.146

Accurate Mass: 146.069143

Percentage Composition: C 41.09%; H 6.90%; N 19.17%; O 32.84%

pKa Value: pK_{a2} 8.18 (25°, 0.1M NaCl)

Sigma: A0753

>>**Derivative:** Hydrochloride

Melting Point: Mp 65-68°

References:

Losse, G. *et al.*, *Chem. Ber.*, 1957, **90**, 1279

Losse, G. *et al.*, *Annalen*, 1960, **636**, 140

Stewart, F.H.C., *Aust. J. Chem.*, 1966, **19**, 1067; 1968, **21**, 2543, (*synth*)