



Melting Point: Mp 204°
Optical Rotation: $[\alpha]_{\text{D}}^{20} +10.4$ (H₂O)

>> **Derivative:** Me ester

CAS Registry Number: 10065-72-2
Molecular Formula: C₄H₉NO₂
Molecular Weight: 103.121
Accurate Mass: 103.063329
Percentage Composition: C 46.59%; H 8.80%; N 13.58%; O 31.03%
Melting Point: Mp 154-155° (109-110°) (as hydrochloride)

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

CAS Registry Number: 1115-59-9
Melting Point: Mp 76°
Optical Rotation: $[\alpha]_{\text{D}}^{25} -11.4$ (c, 2 in 5M HCl)
Aldrich: 85566-9
Fluka: 5170
Sigma: A8002

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

CAS Registry Number: 21691-50-9
Extra CAS Registry Numbers(s): 13404-22-3
Molecular Formula: C₇H₁₅NO₂
Molecular Weight: 145.201
Accurate Mass: 145.110279
Percentage Composition: C 57.90%; H 10.41%; N 9.65%; O 22.04%
Melting Point: Mp 143-145° (as hydrochloride)

>> **Derivative:** Benzyl ester; hydrochloride

CAS Registry Number: 5557-83-5
Melting Point: Mp 140°
Optical Rotation: $[\alpha]_{\text{D}}^{25} -10.9$ (c, 2 in 0.1M HCl)
Sigma: A7877

>> **Derivative:** Amide

CAS Registry Number: 7324-05-2
Molecular Formula: C₃H₈N₂O
Molecular Weight: 88.109
Accurate Mass: 88.063663
Percentage Composition: C 40.90%; H 9.15%; N 31.79%; O 18.16%
Physical Description: Hygroscopic prisms (CHCl₃)
Melting Point: Mp 72°

>> **Derivative:** Nitrile; hydrochloride

CAS Registry Number: 59981-03-2
Melting Point: Mp 156-158 dec.°
Optical Rotation: $[\alpha]_{\text{D}}^{22} -15.3$ (c, 0.708, H₂O) (93% op)

>> **Derivative:** *N*-Ac

CAS Registry Number: 97-69-8
Molecular Formula: C₅H₉NO₃
Molecular Weight: 131.131
Accurate Mass: 131.058244
Percentage Composition: C 45.80%; H 6.92%; N 10.68%; O 36.60%
Melting Point: Mp 125°
Optical Rotation: $[\alpha]_{\text{D}} -66.2$ (c, 2 in H₂O)
Sigma: A4625