



CAS Registry Number: 4070-48-8

Physical Description: Liq.

Optical Rotation: $[\alpha]_{\text{D}}^{25} +39.2$

>>**Derivative:** Me ester; hydrochloride

CAS Registry Number: 6306-52-1

Physical Description: Plates (MeOH/Et₂O)

Melting Point: Mp 180° (167.5-168°)

Optical Rotation: $[\alpha]_{\text{D}}^{25} +14.1$ (c, 1 in H₂O)

Aldrich: 86027-1

Fluka: 94670

Sigma: V1000

>>**Derivative:** Et ester

CAS Registry Number: 17431-03-7

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%

Boiling Point: Bp₈ 63.5°

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

CAS Registry Number: 17609-47-1

Melting Point: Mp 102-104° (93-97°) (sealed tube)

Optical Rotation: $[\alpha]_{\text{D}}^{24} +6.7$ (c, 2 in H₂O)

Aldrich: 22069-8

Sigma: V1626

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

CAS Registry Number: 13211-31-9

Molecular Formula: C₉H₁₉NO₂

Molecular Weight: 173.255

Accurate Mass: 173.141579

Percentage Composition: C 62.39%; H 11.05%; N 8.08%; O 18.47%

Melting Point: Mp 151° (as hydrochloride)

Optical Rotation: $[\alpha]_{\text{D}}^{10} +19.4$ (c, 1 in MeOH)

>>**Derivative:** Benzyl ester

CAS Registry Number: 21760-98-5

Extra CAS Registry Numbers(s): 16652-76-9

Molecular Formula: C₁₂H₁₇NO₂

Molecular Weight: 207.272

Accurate Mass: 207.125929

Percentage Composition: C 69.54%; H 8.27%; N 6.76%; O 15.44%

Melting Point: Mp 160-162° (as hydrochloride)

Optical Rotation: $[\alpha]_{\text{D}}^{20} -3.5$ (c, 3.2 in MeOH)

>>**Derivative:** Amide

CAS Registry Number: 4540-60-7

Extra CAS Registry Numbers(s): 3014-80-0

Physical Description: Cryst. (MeOH/EtOAc) (as hydrochloride)

Melting Point: Mp 270-273° (hydrochloride)

Optical Rotation: $[\alpha]_{\text{D}}^{25} +30.3$ (c, 1 in H₂O)

Aldrich: 45923-2

Sigma: V0625