



Optical Rotation: $[\alpha]_{\text{D}}^{20} -34.3$ (c, 2 in H₂O)

>> **Derivative:** *N*-Benzoyl

Molecular Formula: C₁₂H₁₅NO₃

Molecular Weight: 221.255

Accurate Mass: 221.105194

Percentage Composition: C 65.14%; H 6.83%; N 6.33%; O 21.69%

Physical Description: Cryst. + 1H₂O (EtOH aq.)

Melting Point: Mp 64° (anhyd. 97°)

Optical Rotation: $[\alpha]_{\text{D}}^{19} -15$ (alkali aq.)

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

Molecular Formula: C₁₄H₁₉NO₃

Molecular Weight: 249.309

Accurate Mass: 249.136494

Percentage Composition: C 67.45%; H 7.68%; N 5.62%; O 19.25%

Physical Description: Needles (petrol)

Melting Point: Mp 59°

Optical Rotation: $[\alpha]_{\text{D}}^{19} +7.98$

>> **Derivative:** *N*-Glycyl

CAS Registry Number: 19257-03-5

Physical Description: Microprisms

Melting Point: Mp 223° (sinters)

Optical Rotation: $[\alpha]_{\text{D}}^{20} -10.17$ (H₂O)

>> **Variant:** (±)-form

CAS Registry Number: 760-78-1

Molecular Formula: C₅H₁₁NO₂

Molecular Weight: 117.147

Accurate Mass: 117.078979

Percentage Composition: C 51.26%; H 9.46%; N 11.96%; O 27.31%

Physical Description: Silvery leaflets

Melting Point: Mp 303°. Mp 290-292 dec.° (sealed tube)

pKa Value: p*K*_{a2} 9.81 (25°)

Other Data: Sweet taste

Aldrich: 22284-4

Fluka: 74670

Sigma: N7502

>> **Derivative:** Hydrochloride

Physical Description: Prisms

Melting Point: Mp 188 dec.°

>> **Derivative:** Me ester

CAS Registry Number: 51220-50-9

Physical Description: Oil

>> **Derivative:** Et ester

Physical Description: Cryst.

Melting Point: Mp 65°

Boiling Point: Bp₈ 68.5°