



Optical Rotation: $[\alpha]_{\text{D}}^{20} +14$ (alkali aq.)

>> **Derivative:** *N*-Benzoyl, *N*-Me

CAS Registry Number: 69994-42-9

Molecular Formula: $\text{C}_{13}\text{H}_{17}\text{NO}_3$

Molecular Weight: 235.282

Accurate Mass: 235.120844

Percentage Composition: C 66.36%; H 7.28%; N 5.95%; O 20.40%

Physical Description: Cryst. (Et_2O)

Melting Point: Mp 127-129°

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

CAS Registry Number: 1999-38-8

Molecular Formula: $\text{C}_7\text{H}_{14}\text{N}_2\text{O}_3$

Molecular Weight: 174.199

Accurate Mass: 174.100443

Percentage Composition: C 48.26%; H 8.10%; N 16.08%; O 27.55%

Physical Description: Microprisms

Melting Point: Mp 220° (sinters)

Optical Rotation: $[\alpha]_{\text{D}}^{20} +10.28$ (EtOH)

>> **Variant:** (*S*)-form

Synonym(s): L-form

CAS Registry Number: 6600-40-4

Molecular Formula: $\text{C}_5\text{H}_{11}\text{NO}_2$

Molecular Weight: 117.147

Accurate Mass: 117.078979

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

Physical Description: Cryst. (H_2O)

Melting Point: Mp 305° (sinters)

Optical Rotation: $[\alpha]_{\text{D}}^{20} +23$ (c, 10 in 20% HCl). $[\alpha]_{\text{D}}^{25} +15.96$ (c, 1.04 in 10% HCl)

Aldrich: 85163-9

Fluka: 74650

Rare Chemicals Library: S58106-2

Sigma: N7627

>> **Derivative:** Me ester

CAS Registry Number: 29582-96-5

Physical Description: Liq.

Optical Rotation: $[\alpha]_{\text{D}}^{20} +25.5$ (c, 1.7 in CHCl_3)

>> **Derivative:** Et ester

CAS Registry Number: 39256-85-4

Molecular Formula: $\text{C}_7\text{H}_{15}\text{NO}_2$

Molecular Weight: 145.201

Accurate Mass: 145.110279

Percentage Composition: C 57.90%; H 10.41%; N 9.65%; O 22.04%

Physical Description: Liq.

Boiling Point: Bp_{10} 77.5°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +9.5$ (HCl)

>> **Derivative:** *N*-Formyl

Physical Description: Cryst.

Melting Point: Mp 137°

Optical Rotation: $[\alpha]_{\text{D}}^{28} +2.05$ (HCl)