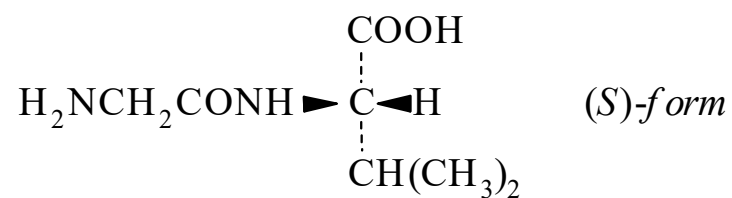




>>Entry Name: *N*-Glycylvaline



Molecular Formula: C₇H₁₄N₂O₃

Molecular Weight: 174.199

Accurate Mass: 174.100443

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

Sigma: G4127

>>Variant: (*R*)-form

Synonym(s): D-form

CAS Registry Number: 10521-49-0

Molecular Formula: C₇H₁₄N₂O₃

Molecular Weight: 174.199

Accurate Mass: 174.100443

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

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 254° (sinters at 239°)

Optical Rotation: [α]_D²⁵ +20 (c, 2 in H₂O)

Solubility: Sol. H₂O

>>Derivative: Lactam

Molecular Formula: C₇H₁₂N₂O₂

Molecular Weight: 156.184

Accurate Mass: 156.089878

Percentage Composition: C 53.83%; H 7.74%; N 17.94%; O 20.49%

Physical Description: Needles

Melting Point: Mp 266° (sinters at 260°)

Optical Rotation: [α]_D +20.5 (AcOH) (H₂O)

>>Variant: (*S*)-form

Synonym(s): L-form

CAS Registry Number: 1963-21-9

Molecular Formula: C₇H₁₄N₂O₃

Molecular Weight: 174.199

Accurate Mass: 174.100443

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

Optical Rotation: [α]_D²⁵ -19.9 (c, 2 in H₂O)

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

Physical Description: Cryst. (petrol)

Melting Point: Mp 78°

>>Derivative: *N*-tert-Butyloxycarbonyl

Physical Description: Cryst. (EtOAc/petrol)

Melting Point: Mp 98-101°

Optical Rotation: [α]_D²⁰ +2.8 (c, 1 in MeOH)