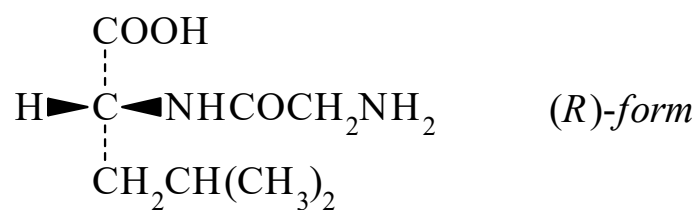




>>Entry Name: *N*-Glycylleucine



Molecular Formula: C₈H₁₆N₂O₃

Molecular Weight: 188.226

Accurate Mass: 188.116093

Percentage Composition: C 51.05%; H 8.57%; N 14.88%; O 25.50%

Aldrich: 85007-1

Fluka: 50300

Sigma: G2002

>>Variant: (*R*)-form

Synonym(s): D-form

CAS Registry Number: 688-13-1

Molecular Formula: C₈H₁₆N₂O₃

Molecular Weight: 188.226

Accurate Mass: 188.116093

Percentage Composition: C 51.05%; H 8.57%; N 14.88%; O 25.50%

Physical Description: Cryst. (H₂O)

Optical Rotation: [α]_D²⁰ +37.6 (H₂O)

Sigma: G1877

>>Variant: (*S*)-form

Synonym(s): L-form

CAS Registry Number: 869-19-2

Molecular Formula: C₈H₁₆N₂O₃

Molecular Weight: 188.226

Accurate Mass: 188.116093

Percentage Composition: C 51.05%; H 8.57%; N 14.88%; O 25.50%

Physical Description: Plates (EtOH aq.)

Melting Point: Mp 256 dec.° (yellow at 246°)

Optical Rotation: [α]_D²⁵ −36.3 (c, 2 in H₂O) (10% HCl)

>>Derivative: Et ester

CAS Registry Number: 19240-30-3

Molecular Formula: C₁₀H₂₀N₂O₃

Molecular Weight: 216.28

Accurate Mass: 216.147393

Percentage Composition: C 55.53%; H 9.32%; N 12.95%; O 22.19%

Melting Point: Mp 161-162° (as hydrochloride)

>>Derivative: *N*^{Gly}-Benzyloxycarbonyl

CAS Registry Number: 1421-69-8

Molecular Formula: C₁₆H₂₂N₂O₅

Molecular Weight: 322.36

Accurate Mass: 322.152873

Percentage Composition: C 59.62%; H 6.88%; N 8.69%; O 24.82%

Melting Point: Mp 100-101°. Mp 143-144° (dimorph.)

Optical Rotation: [α]_D²³ −9.2 (c, 2 in EtOH)

>>Derivative: Lactam