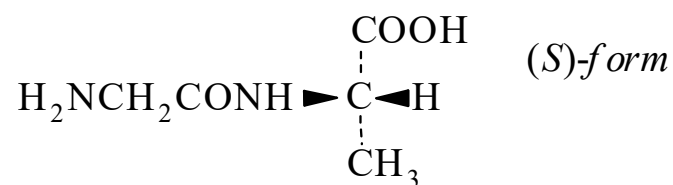




>>Entry Name: *N*-Glycylalanine



Molecular Formula: C₅H₁₀N₂O₃

Molecular Weight: 146.146

Accurate Mass: 146.069143

Percentage Composition: C 41.09%; H 6.90%; N 19.17%; O 32.84%

>>Variant: (*R*)-form

Synonym(s): D-form

Molecular Formula: C₅H₁₀N₂O₃

Molecular Weight: 146.146

Accurate Mass: 146.069143

Percentage Composition: C 41.09%; H 6.90%; N 19.17%; O 32.84%

Physical Description: Needles or plates (EtOH aq.)

Melting Point: Mp 235-236 dec.° (brown at 218°)

Optical Rotation: $[\alpha]_{\text{D}}^{20} -50$ (H₂O)

Solubility: V. sol. H₂O, insol. common org. solvs.

>>Derivative: Me ester; hydrochloride

Melting Point: Mp 160-162°

>>Derivative: Anhydride

>>Derivative: *N*-Benzyloxycarbonyl

CAS Registry Number: 19245-97-7

Molecular Formula: C₁₃H₁₆N₂O₅

Molecular Weight: 280.28

Accurate Mass: 280.105923

Percentage Composition: C 55.71%; H 5.75%; N 9.99%; O 28.54%

Physical Description: Cryst.

Melting Point: Mp 135° (128-129°)

Optical Rotation: $[\alpha]_{\text{D}}^{23} +10.1$ (c, 2.9 in EtOH)

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

Melting Point: Mp 66°

>>Variant: (*S*)-form

Synonym(s): L-form

CAS Registry Number: 3695-73-6

Molecular Formula: C₅H₁₀N₂O₃

Molecular Weight: 146.146

Accurate Mass: 146.069143

Percentage Composition: C 41.09%; H 6.90%; N 19.17%; O 32.84%

Optical Rotation: $[\alpha]_{\text{D}}^{25} -59.3$ (c, 2 in HCl)

Sigma: G0502

>>Derivative: *N*-Benzyloxycarbonyl

CAS Registry Number: 3079-63-8

Physical Description: Cryst.

Melting Point: Mp 135-136° (130-131°)

Optical Rotation: $[\alpha]_{\text{D}}^{20} -9.8$ (c, 4.4 in EtOH)