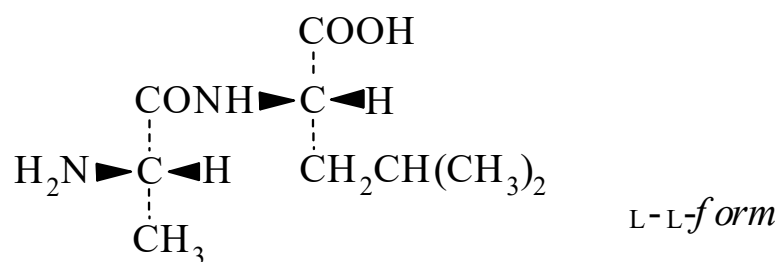




>>Entry Name: *N*-Alanylleucine



Related CAS Registry Numbers(s): 1638-60-4

Molecular Formula: C₉H₁₈N₂O₃

Molecular Weight: 202.253

Accurate Mass: 202.131743

Percentage Composition: C 53.45%; H 8.97%; N 13.85%; O 23.73%

>>**Variant:** D-D-form

Molecular Formula: C₉H₁₈N₂O₃

Molecular Weight: 202.253

Accurate Mass: 202.131743

Percentage Composition: C 53.45%; H 8.97%; N 13.85%; O 23.73%

Physical Description: Cryst. + 1H₂O

Melting Point: Mp 254-255 dec.°

>>**Variant:** L-L-form

CAS Registry Number: 3303-34-2

Molecular Formula: C₉H₁₈N₂O₃

Molecular Weight: 202.253

Accurate Mass: 202.131743

Percentage Composition: C 53.45%; H 8.97%; N 13.85%; O 23.73%

Physical Description: Leaflets (EtOH)

Melting Point: Mp 254-257 dec.°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -19.9$ (c, 2 in H₂O)

Sigma: A1878

>>**Derivative:** *N*-Benzyloxycarbonyl

Physical Description: Oil

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

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 52°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +37.3$ (c, 2 in EtOH)

>>**Derivative:** *N*-Piperidinooxycarbonyl

Physical Description: Cryst. (CHCl₃/EtOAc/petrol)

Melting Point: Mp 160-162°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +13.2$

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

Physical Description: Cryst. (EtOAc/petrol)

Melting Point: Mp 143-147 dec.°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +10$

>>**Variant:** DL-DL-form

CAS Registry Number: 1999-42-4

Molecular Formula: C₉H₁₈N₂O₃

Molecular Weight: 202.253

Accurate Mass: 202.131743

Percentage Composition: C 53.45%; H 8.97%; N 13.85%; O 23.73%

Melting Point: Mp 240°

Sigma: A9008