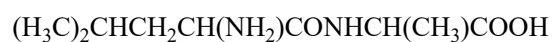




>>Entry Name: *N*-Leucylalanine



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: (*S,S*)-form

Synonym(s): L,L-form

CAS Registry Number: 7298-84-2

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%

Use/Importance: Used in the fluorimetric detn. of secondary amines and of phenylalanine

Physical Description: Cryst. (EtOH)

Melting Point: Mp 255-256°

Optical Rotation: $[\alpha]_{\text{D}}^{24} +23$ (c, 5 in MeOH). $[\alpha]_{\text{D}} +76$ (H₂O)

Aldrich: 85125-6

Fluka: 61960

Sigma: L3641

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

Melting Point: Mp 129-130°

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

Synonym(s): *N*-L-Leucyl-D-alanine

CAS Registry Number: 17664-98-1

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: Plates (EtOH)

Melting Point: Mp 257°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +22.9$ (MeOH)

Solubility: Sol. H₂O, MeOH

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

Melting Point: Mp 92-93°

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