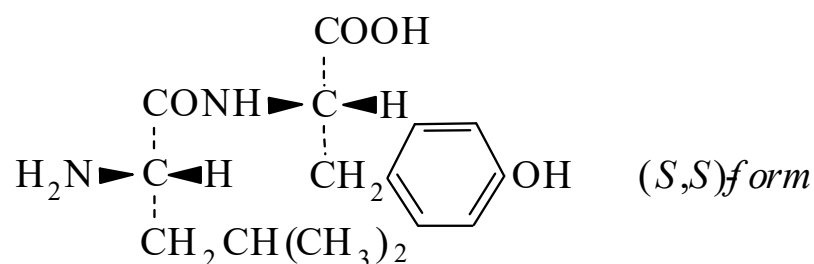




>>Entry Name: *N*-Leucyltyrosine



Molecular Formula: C₁₅H₂₂N₂O₄

Molecular Weight: 294.35

Accurate Mass: 294.157958

Percentage Composition: C 61.21%; H 7.53%; N 9.52%; O 21.74%

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

Synonym(s): L-L-form

CAS Registry Number: 968-21-8

Molecular Formula: C₁₅H₂₂N₂O₄

Molecular Weight: 294.35

Accurate Mass: 294.157958

Percentage Composition: C 61.21%; H 7.53%; N 9.52%; O 21.74%

Physical Description: Cryst. + 2H₂O

Melting Point: Mp 275-277°

Optical Rotation: [α]_D²⁰ +11.3

Solubility: Sol. H₂O, spar. sol. EtOH

pKa Value: p*K*_{a1} 3.46; p*K*_{a2} 7.84; p*K*_{a3} 10.09 (25°)

Sigma: L0501

>>**Derivative:** *N*-*tert*-Butyloxycarbonyl, Me ester

Melting Point: Mp 113-114°

>>**Derivative:** *N*-Benzyloxycarbonyl-*O*-*tert*-butyl methyl ester

Melting Point: Mp 87-89°

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

Synonym(s): D-Leucyl-L-tyrosine

CAS Registry Number: 3303-29-5

Molecular Formula: C₁₅H₂₂N₂O₄

Molecular Weight: 294.35

Accurate Mass: 294.157958

Percentage Composition: C 61.21%; H 7.53%; N 9.52%; O 21.74%

Physical Description: Powder + 2H₂O (Et₂O/EtOH)

Melting Point: Mp 250-260 dec.°

Optical Rotation: [α]_D²⁰ -16

pKa Value: p*K*_{a3} 10.35

Sigma: L3877

References:

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Pettit, G.R. *et al.*, *Org. Mass Spectrom.*, 1970, **3**, 67