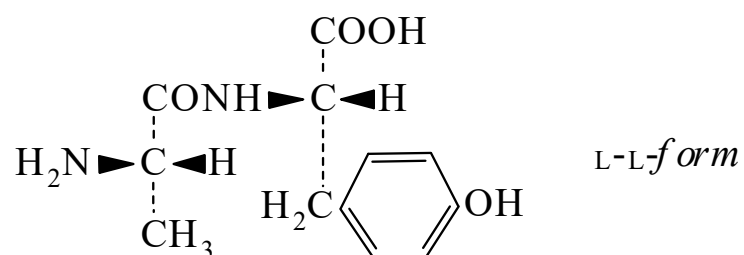




>>Entry Name: *N*-Alanyltyrosine, 9Cl



Molecular Formula: C₁₂H₁₆N₂O₄

Molecular Weight: 252.269

Accurate Mass: 252.111008

Percentage Composition: C 57.13%; H 6.39%; N 11.10%; O 25.37%

>>Variant: D-L-form

Molecular Formula: C₁₂H₁₆N₂O₄

Molecular Weight: 252.269

Accurate Mass: 252.111008

Percentage Composition: C 57.13%; H 6.39%; N 11.10%; O 25.37%

pKa Value: p*K*_{a2} 8.29; p*K*_{a3} 10.16 (25°)

>>Derivative: H-Ala-Tyr-OEt.HCl

Optical Rotation: [α]_D²⁵ +4.9 (H₂O)

>>Variant: L-L-form

CAS Registry Number: 3061-88-9

Molecular Formula: C₁₂H₁₆N₂O₄

Molecular Weight: 252.269

Accurate Mass: 252.111008

Percentage Composition: C 57.13%; H 6.39%; N 11.10%; O 25.37%

pKa Value: p*K*_{a3} 10.24 (25°)

Sigma: A4003

>>Derivative: H-Ala-Tyr-OEt.HCl

Melting Point: Mp 146-147°

Optical Rotation: [α]_D²⁰ +10.5 (c, 2 in H₂O)

>>Derivative: Z-Ala-Tyr-OMe

Physical Description: Needles (EtOAc/petrol)

Melting Point: Mp 121-122°

Optical Rotation: [α]_D -16.6 (c, 1 in DMF)

>>Derivative: Z-Ala-Tyr-NHNH₂

Physical Description: Long needles (MeOH)

Melting Point: Mp 220-222°

Optical Rotation: [α]_D -13.8 (c, 1 in DMF)

>>Derivative: *N*-Ac

Molecular Formula: C₁₄H₁₈N₂O₅

Molecular Weight: 294.307

Accurate Mass: 294.121573

Percentage Composition: C 57.14%; H 6.16%; N 9.52%; O 27.18%

Biological Source: Obt. by enzymic hydrol. of cucumber virus 4 (abs. config. not detd.)

References: