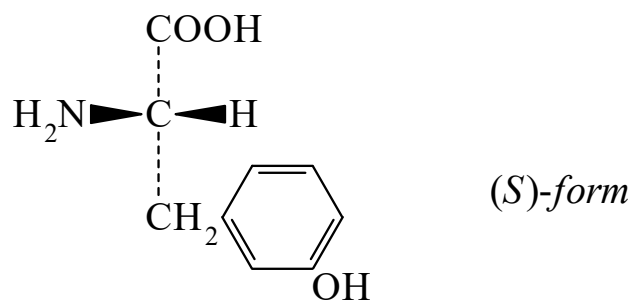




>>Entry Name: 2-Amino-3-(3-hydroxyphenyl)propanoic acid

Synonym(s): 3-Hydroxyphenylalanine, 9Cl. *m*-Tyrosine



CAS Registry Number: 2180-37-2

Molecular Formula: C₉H₁₁NO₃

Molecular Weight: 181.191

Accurate Mass: 181.073894

Percentage Composition: C 59.66%; H 6.12%; N 7.73%; O 26.49%

>>Variant: (*R*)-form

Synonym(s): D-form

CAS Registry Number: 32140-49-1

Molecular Formula: C₉H₁₁NO₃

Molecular Weight: 181.191

Accurate Mass: 181.073894

Percentage Composition: C 59.66%; H 6.12%; N 7.73%; O 26.49%

Physical Description: Cryst. (H₂O or dil. HCl)

Melting Point: Mp 298°

>>Variant: (*S*)-form

Synonym(s): L-form

CAS Registry Number: 587-33-7

Molecular Formula: C₉H₁₁NO₃

Molecular Weight: 181.191

Accurate Mass: 181.073894

Percentage Composition: C 59.66%; H 6.12%; N 7.73%; O 26.49%

Biological Source: Isol. from the latex of *Euphorbia myrsinites*

Physical Description: Leaflets (EtOH aq.)

Melting Point: Mp 295°

Optical Rotation: $[\alpha]_D^{22}$ -14.5

>>Variant: (±)-form

CAS Registry Number: 775-06-4

Molecular Formula: C₉H₁₁NO₃

Molecular Weight: 181.191

Accurate Mass: 181.073894

Percentage Composition: C 59.66%; H 6.12%; N 7.73%; O 26.49%

Physical Description: Needles or plates (H₂O), plates (EtOH aq.)

Melting Point: Mp 283°

Solubility: Sol. aq. AcOH, spar. sol. EtOH

>>Derivative: *N*-Ac

Molecular Formula: C₁₁H₁₃NO₄

Molecular Weight: 223.228

Accurate Mass: 223.084459

Percentage Composition: C 59.19%; H 5.87%; N 6.27%; O 28.67%

Physical Description: Cryst. + 1H₂O

Melting Point: Mp 140-142°