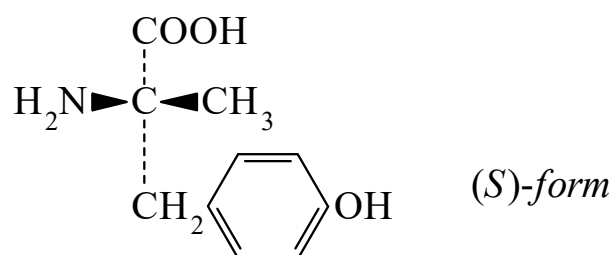




>>Entry Name: 2-Amino-3-(4-hydroxyphenyl)-2-methylpropanoic acid

Synonym(s): α -Methyltyrosine, 9CI



CAS Registry Number: 658-48-0

Molecular Formula: C₁₀H₁₃NO₃

Molecular Weight: 195.218

Accurate Mass: 195.089544

Percentage Composition: C 61.53%; H 6.71%; N 7.17%; O 24.59%

Use/Importance: Tyrosine hydroxylase inhibitor. Antihypertensive agent

Aldrich: 12069-3

Fluka: 69577

Sigma: M7628

>>Variant: (*S*)-form

Synonym(s): L-form. **Metirosine**, BAN, INN. Metyrosine, USAN. Demser. L 588357. MK 781

CAS Registry Number: 672-87-7

Molecular Formula: C₁₀H₁₃NO₃

Molecular Weight: 195.218

Accurate Mass: 195.089544

Percentage Composition: C 61.53%; H 6.71%; N 7.17%; O 24.59%

Physical Description: Cryst.

Melting Point: Mp 310-315°

Optical Rotation: [α]_D -16 (c, 0.1 in 50% MeCN aq.)

Calculated Log P Data: Log P -1.52 (uncertain value) (calc)

Aldrich: 28668-0

Fluka: 69574

Sigma: M8131

>>Derivative: Nitrile, *N,O*-bis(4-methoxybenzyloxycarbonyl)

CAS Registry Number: 73148-72-8

Molecular Formula: C₂₈H₂₈N₂O₇

Molecular Weight: 504.538

Accurate Mass: 504.189653

Percentage Composition: C 66.66%; H 5.59%; N 5.55%; O 22.20%

Melting Point: Mp 108-112°

Aldrich: 37012-6

>>Variant: ($\pm$)-form

Synonym(s): **Racemetirosine**, INN. AMPT. α -MT

CAS Registry Number: 620-30-4

Molecular Formula: C₁₀H₁₃NO₃

Molecular Weight: 195.218

Accurate Mass: 195.089544

Percentage Composition: C 61.53%; H 6.71%; N 7.17%; O 24.59%

Physical Description: Cryst. (H₂O)

Calculated Log P Data: Log P -1.52 (uncertain value) (calc)

Other Data: Dec. at 320° (330°)