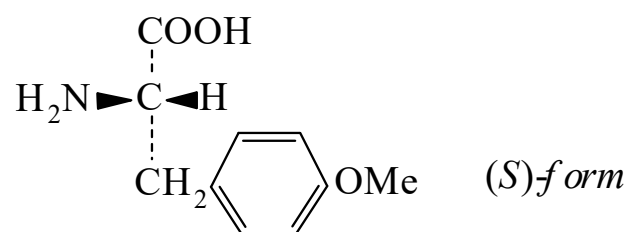




>>Entry Name: 2-Amino-3-(4-methoxyphenyl)propanoic acid

Synonym(s): *O*-Methyltyrosine, 9Cl. *p*-Methoxyphenylalanine



CAS Registry Number: 3308-72-3

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%

>>Variant: (*R*)-form

Synonym(s): D-form

CAS Registry Number: 39878-65-4

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%

Melting Point: Mp 262-263 dec.°

Optical Rotation: $[\alpha]_D^{10} +5.4$ (3*M* HCl)

Solubility: BERDY SOL: Sol. MeOH, CHCl₃; poorly sol. H₂O, hexane

UV: [neutral] $\lambda_{\max}$ 224 (ϵ 13640); 233 (ϵ 12000); 275 (ϵ 11000); 362 (ϵ 3030) (MeOH) (Berdy) [neutral] $\lambda_{\max}$ 232 (ϵ 12000); 273 (ϵ 11000); 361 (ϵ 3000) (EtOH) (Berdy)

Fluka: 69575

>>Derivative: *N*-Me

Molecular Formula: C₁₁H₁₅NO₃

Molecular Weight: 209.244

Accurate Mass: 209.105194

Percentage Composition: C 63.14%; H 7.23%; N 6.69%; O 22.94%

Melting Point: Mp 247-248 dec.°

Optical Rotation: $[\alpha]_D^{10} -3.9$ (3*M* HCl)

>>Variant: (*S*)-form

Synonym(s): L-form

CAS Registry Number: 6230-11-1

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%

Biological Source: Component of Puromycin [HDW76-Y](#) and Cyl-2

Physical Description: Plates

Melting Point: Mp 264-265°

Optical Rotation: $[\alpha]_D^{25} -6.2$ (c, 1 in 1*M* HCl)

Aldrich: 15825-9

Fluka: 69576

Sigma: M5754

>>Derivative: Hydrochloride

Physical Description: Needles (HCl aq.)

Melting Point: Mp 237-238°