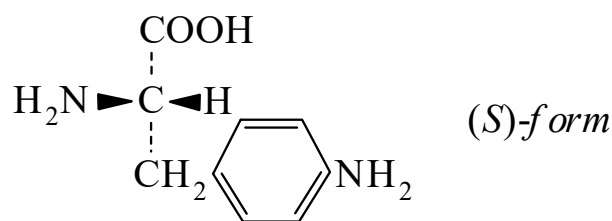




>>Entry Name: 2-Amino-3-(4-aminophenyl)propanoic acid

Synonym(s): α ,4-Diaminobenzenepropanoic acid. 4-Aminophenylalanine, 9Cl



Molecular Formula: C₉H₁₂N₂O₂

Molecular Weight: 180.206

Accurate Mass: 180.089878

Percentage Composition: C 59.99%; H 6.71%; N 15.55%; O 17.76%

>>Variant: (*R*)-form

CAS Registry Number: 102281-45-8

Molecular Formula: C₉H₁₂N₂O₂

Molecular Weight: 180.206

Accurate Mass: 180.089878

Percentage Composition: C 59.99%; H 6.71%; N 15.55%; O 17.76%

Melting Point: Mp 245-248°. Mp 268-270°

Optical Rotation: $[\alpha]_D^{20} +37$ (c, 2 in H₂O)

Aldrich: 34824-4

Sigma: A8279

>>Variant: (*S*)-form

Synonym(s): L-form

CAS Registry Number: 943-80-6

Molecular Formula: C₉H₁₂N₂O₂

Molecular Weight: 180.206

Accurate Mass: 180.089878

Percentage Composition: C 59.99%; H 6.71%; N 15.55%; O 17.76%

Biological Source: Constit. of *Vigina vexillata*

Physical Description: Needles (H₂O)

Melting Point: Mp 260-264 dec.°

Optical Rotation: $[\alpha]_D^{23} +1$ (c, 0.3 in H₂O). $[\alpha]_{580}^{23} +28$ (c, 0.3 in 1*N* HCl)

Sigma: A8154

>>Derivative: *N*²,*N*^{4'},*N*^{4'}-Tri-Me

Synonym(s): 3-(4-Dimethylaminophenyl)-2-methylaminopropanoic acid. *p*-Dimethylamino-*N*-methylphenylalanine

Source/Synthesis: Acid hydrol. prod. of Ostreogrycin B [HBQ52-W](#)

Physical Description: Needles + ½H₂O (EtOH aq.)

Melting Point: Mp 208°

Optical Rotation: $[\alpha]_D^{20} +22.6$ (c, 0.5 in 1*M* HCl). $[\alpha]_D -3.2$ (c, 1.076 in H₂O)

>>Variant: (±)-form

CAS Registry Number: 2922-41-0

Molecular Formula: C₉H₁₂N₂O₂

Molecular Weight: 180.206

Accurate Mass: 180.089878

Percentage Composition: C 59.99%; H 6.71%; N 15.55%; O 17.76%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 248°

Aldrich: 85870-6

Sigma: A1505

>>Derivative: *N*²,*N*^{4'},*N*^{4'}-Tri-Me

Physical Description: Needles

Melting Point: Mp 214°

References: