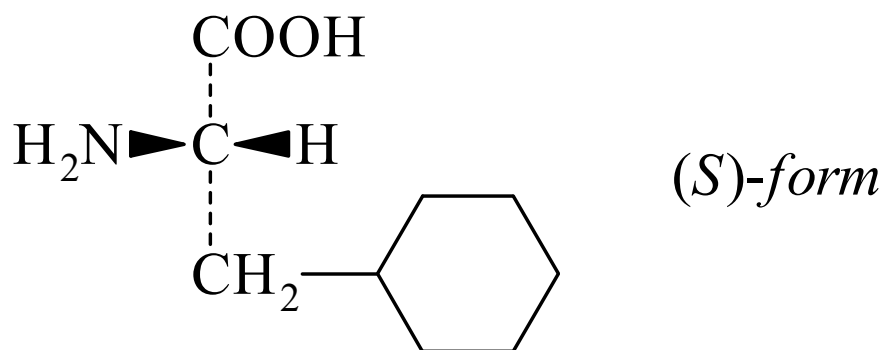




>>Entry Name: 2-Amino-3-cyclohexylpropanoic acid

Synonym(s): α -Aminocyclohexanepropanoic acid, 9Cl. Hexahydrophenylalanine. 3-Cyclohexylalanine



CAS Registry Number: 4441-50-3

Molecular Formula: $C_9H_{17}NO_2$

Molecular Weight: 171.239

Accurate Mass: 171.125929

Percentage Composition: C 63.13%; H 10.01%; N 8.18%; O 18.69%

>>Variant: (*R*)-form

Synonym(s): D-form

CAS Registry Number: 58717-02-5

Molecular Formula: $C_9H_{17}NO_2$

Molecular Weight: 171.239

Accurate Mass: 171.125929

Percentage Composition: C 63.13%; H 10.01%; N 8.18%; O 18.69%

Fluka: 29295

>>Derivative: Hydrochloride

Melting Point: Mp 246°

Optical Rotation: $[\alpha]_D^{26} +34.4$ (H₂O). $[\alpha]_D^{26} +4.5$ (5*M* HCl)

>>Variant: (*S*)-form

Synonym(s): L-form

CAS Registry Number: 27527-05-5

Molecular Formula: $C_9H_{17}NO_2$

Molecular Weight: 171.239

Accurate Mass: 171.125929

Percentage Composition: C 63.13%; H 10.01%; N 8.18%; O 18.69%

Physical Description: Needles (H₂O)

Melting Point: Mp 324°

Optical Rotation: $[\alpha]_D^{20} -34.6$ (H₂O). $[\alpha]_D^{20} -4.5$ (5*M* HCl)

Fluka: 7623

>>Derivative: Hydrochloride

Melting Point: Mp 246°

Optical Rotation: $[\alpha]_D^{20} +13.4$

>>Derivative: Me ester, *N*-benzoyl

Molecular Formula: $C_{17}H_{23}NO_3$

Molecular Weight: 289.374

Accurate Mass: 289.167794

Percentage Composition: C 70.56%; H 8.01%; N 4.84%; O 16.59%

Melting Point: Mp 104-105°

>>Derivative: Et ester

Molecular Formula: $C_{11}H_{21}NO_2$

Molecular Weight: 199.292

Accurate Mass: 199.157229

Percentage Composition: C 66.30%; H 10.62%; N 7.03%; O 16.06%

Boiling Point: Bp₁₁ 149-150°