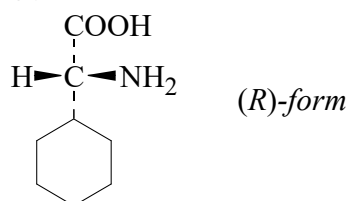




>>Entry Name: 2-Amino-2-cyclohexylacetic acid

Synonym(s): α -Aminocyclohexaneacetic acid, 9Cl, 8Cl. 2-Cyclohexylglycine



CAS Registry Number: 5664-29-9

Related CAS Registry Numbers(s): 107020-80-4

Molecular Formula: $C_8H_{15}NO_2$

Molecular Weight: 157.212

Accurate Mass: 157.110279

Percentage Composition: C 61.12%; H 9.62%; N 8.91%; O 20.35%

>>Variant: (R)-form

Synonym(s): D-form

CAS Registry Number: 14328-52-0

Molecular Formula: $C_8H_{15}NO_2$

Molecular Weight: 157.212

Accurate Mass: 157.110279

Percentage Composition: C 61.12%; H 9.62%; N 8.91%; O 20.35%

Melting Point: Mp 297-298 dec. $^{\circ}$

Optical Rotation: $[\alpha]_D^{35} -34.5$ (c, 0.51 in 5M HCl) (99% op)

>>Derivative: Me ester

CAS Registry Number: 37763-24-9

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: Solid (MeOH/Et₂O) (as hydrochloride)

Melting Point: Mp 190-191 $^{\circ}$ (hydrochloride)

>>Derivative: N-Ac

CAS Registry Number: 14429-43-7

Molecular Formula: $C_{10}H_{17}NO_3$

Molecular Weight: 199.249

Accurate Mass: 199.120844

Percentage Composition: C 60.28%; H 8.60%; N 7.03%; O 24.09%

Melting Point: Mp 210-211 $^{\circ}$

Optical Rotation: $[\alpha]_D^{20} -23$ (c, 1, in MeOH)

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 14328-51-9

Molecular Formula: $C_8H_{15}NO_2$

Molecular Weight: 157.212

Accurate Mass: 157.110279

Percentage Composition: C 61.12%; H 9.62%; N 8.91%; O 20.35%

Optical Rotation: $[\alpha]_D^{25} +33$ (c, 0.1 in 5M HCl) (98% ee)

Other Data: Mp >300 $^{\circ}$

>>Derivative: Me ester

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: Solid (MeOH/Et₂O) (as hydrochloride)

Melting Point: Mp 188-189 $^{\circ}$ (hydrochloride)

Optical Rotation: $[\alpha]_D^{25} +33.4$ (c, 0.52 in MeOH)