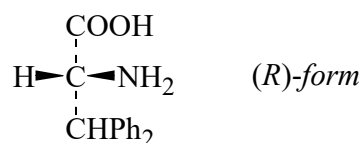




>>Entry Name: 2-Amino-3,3-diphenylpropanoic acid

Synonym(s): β -Phenylphenylalanine, 9CI



CAS Registry Number: 62653-26-3

Molecular Formula: $\text{C}_{15}\text{H}_{15}\text{NO}_2$

Molecular Weight: 241.289

Accurate Mass: 241.110279

Percentage Composition: C 74.67%; H 6.27%; N 5.80%; O 13.26%

>>Variant: (R)-form

Synonym(s): D-form

CAS Registry Number: 149597-91-1

Molecular Formula: $\text{C}_{15}\text{H}_{15}\text{NO}_2$

Molecular Weight: 241.289

Accurate Mass: 241.110279

Percentage Composition: C 74.67%; H 6.27%; N 5.80%; O 13.26%

>>Derivative: Hydrochloride

CAS Registry Number: 143060-93-9

Physical Description: Cryst. (2M HCl)

Melting Point: Mp 248-253° (dec.)

Optical Rotation: $[\alpha]_{\text{D}}^{23} -63.7$ (c, 1 in MeOH) (>99% ee)

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 42578-52-9

Molecular Formula: $\text{C}_{15}\text{H}_{15}\text{NO}_2$

Molecular Weight: 241.289

Accurate Mass: 241.110279

Percentage Composition: C 74.67%; H 6.27%; N 5.80%; O 13.26%

>>Derivative: Hydrochloride

CAS Registry Number: 138662-62-1

Physical Description: Cryst. (2M HCl)

Melting Point: Mp 247-250° (dec.)

Optical Rotation: $[\alpha]_{\text{D}}^{23} +63.8$ (c, 1 in MeOH) (>99% ee)

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

CAS Registry Number: 5425-80-9

Molecular Formula: $\text{C}_{15}\text{H}_{15}\text{NO}_2$

Molecular Weight: 241.289

Accurate Mass: 241.110279

Percentage Composition: C 74.67%; H 6.27%; N 5.80%; O 13.26%

Melting Point: Mp 234° (dec.)

>>Derivative: Benzyl ester

CAS Registry Number: 119273-62-0

Molecular Formula: $\text{C}_{22}\text{H}_{21}\text{NO}_2$

Molecular Weight: 331.413

Accurate Mass: 331.157229

Percentage Composition: C 79.73%; H 6.39%; N 4.23%; O 9.66%

Melting Point: Mp 191-194° (as hydrochloride)

Other Data: CAS no. refers to hydrochloride