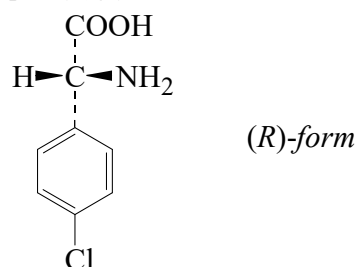




>>Entry Name: 2-Amino-2-(4-chlorophenyl)acetic acid

Synonym(s): α -Amino-4-chlorobenzeneacetic acid, 9Cl. 2-(*p*-Chlorophenyl)glycine



CAS Registry Number: 6212-33-5

Molecular Formula: C₈H₈ClNO₂

Molecular Weight: 185.609

Accurate Mass: 185.024356

Percentage Composition: C 51.77%; H 4.34%; Cl 19.10%; N 7.55%; O 17.24%

>>Variant: (*R*)-form

Synonym(s): D-form

CAS Registry Number: 43189-37-3

Molecular Formula: C₈H₈ClNO₂

Molecular Weight: 185.609

Accurate Mass: 185.024356

Percentage Composition: C 51.77%; H 4.34%; Cl 19.10%; N 7.55%; O 17.24%

Optical Rotation: $[\alpha]_{\text{D}}^{22} -136.2$ (c, 0.5 in 1M HCl)

>>Derivative: *N*-Ac

Molecular Formula: C₁₀H₁₀ClNO₃

Molecular Weight: 227.647

Accurate Mass: 227.034921

Percentage Composition: C 52.76%; H 4.43%; Cl 15.57%; N 6.15%; O 21.08%

Physical Description: Solid

Melting Point: Mp 208-209°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +193.2$ (c, 1 in MeOH) (prob. incorr. reported as a positive value)

>>Variant: (*S*)-form

Synonym(s): L-form

CAS Registry Number: 67336-19-0

Molecular Formula: C₈H₈ClNO₂

Molecular Weight: 185.609

Accurate Mass: 185.024356

Percentage Composition: C 51.77%; H 4.34%; Cl 19.10%; N 7.55%; O 17.24%

Optical Rotation: $[\alpha]_{\text{D}}^{20} +143.1$ (c, 1 in 1M HCl)

Other Data: Mp >300°

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

CAS Registry Number: 7292-70-8

Molecular Formula: C₈H₈ClNO₂

Molecular Weight: 185.609

Accurate Mass: 185.024356

Percentage Composition: C 51.77%; H 4.34%; Cl 19.10%; N 7.55%; O 17.24%

Physical Description: Cryst.

Melting Point: Mp 272-274° (dec.)

>>Derivative: *N*-Ac

Extra CAS Registry Numbers(s): 63329-11-3

Molecular Formula: C₁₀H₁₀ClNO₃

Molecular Weight: 227.647

Accurate Mass: 227.034921

Percentage Composition: C 52.76%; H 4.43%; Cl 15.57%; N 6.15%; O 21.08%

Physical Description: Cryst.

Melting Point: Mp 196°

References: