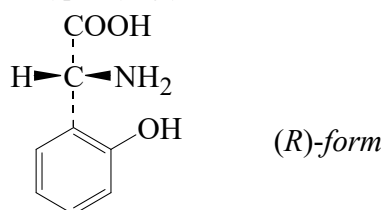




>>Entry Name: 2-Amino-2-(2-hydroxyphenyl)acetic acid

Synonym(s): α -Amino-2-hydroxybenzeneacetic acid, 9Cl. 2-(*o*-Hydroxyphenyl)glycine



CAS Registry Number: 25178-38-5

Molecular Formula: C₈H₉NO₃

Molecular Weight: 167.164

Accurate Mass: 167.058244

Percentage Composition: C 57.48%; H 5.43%; N 8.38%; O 28.71%

>>Variant: (*R*)-form

Synonym(s): D-form

CAS Registry Number: 185339-06-4

Molecular Formula: C₈H₉NO₃

Molecular Weight: 167.164

Accurate Mass: 167.058244

Percentage Composition: C 57.48%; H 5.43%; N 8.38%; O 28.71%

Melting Point: Mp 193-194°

Optical Rotation: [α]_D -158 (c, 1 in 1M HCl)

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

Molecular Formula: C₈H₉NO₃

Molecular Weight: 167.164

Accurate Mass: 167.058244

Percentage Composition: C 57.48%; H 5.43%; N 8.38%; O 28.71%

Melting Point: Mp 190-191° (dec.)

>>Derivative: α -Lactone, *N*-Ac

Synonym(s): *N*-(2,3-Dihydro-2-oxo-3-benzofuranyl)acetamide, 9Cl. 3-Acetamido-2-coumaranone

CAS Registry Number: 42493-03-8

Molecular Formula: C₁₀H₉NO₃

Molecular Weight: 191.186

Accurate Mass: 191.058244

Percentage Composition: C 62.82%; H 4.74%; N 7.33%; O 25.11%

Physical Description: Cryst. (THF/petrol)

Melting Point: Mp 180°

Other Data: Gives the title acid on acid hydrol.

References:

Ger. Pat., 1973, 2 162 717; *CA*, **79**, 66817j, (*synth, lactone amide*)

Pat. Coop. Treaty (WIPO), 1997, 97 19 907; *CA*, **127**, 66218z, (*R*-form, *enzymic synth*)

Matuszczak, B., *J. Prakt. Chem.*, 1998, **340**, 20-25, (*lactone amide*)