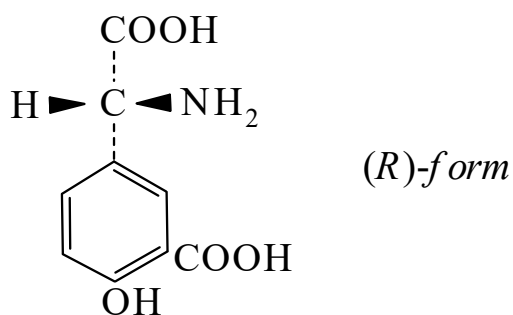




>>Entry Name: α -Amino-3-carboxy-4-hydroxybenzeneacetic acid, 9CI

Synonym(s): (3-Carboxy-4-hydroxyphenyl)glycine. α -Amino- α -carboxy-2,5-cresotic acid, 8CI



CAS Registry Number: 13015-31-1

Molecular Formula: $C_9H_9NO_5$

Molecular Weight: 211.174

Accurate Mass: 211.048074

Percentage Composition: C 51.19%; H 4.30%; N 6.63%; O 37.88%

>>Variant: (R)-form

Synonym(s): D-form

CAS Registry Number: 13861-03-5

Molecular Formula: $C_9H_9NO_5$

Molecular Weight: 211.174

Accurate Mass: 211.048074

Percentage Composition: C 51.19%; H 4.30%; N 6.63%; O 37.88%

Biological Source: Present in the seeds of *Reseda luteola*

Optical Rotation: $[\alpha]_D^{23} -121$ (c, 0.75 in 1M HCl). $[\alpha]_D^{22} -95$ (c, 0.71 in H_2O)

Other Data: Isol. in partially racemised form

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 55136-48-6

Molecular Formula: $C_9H_9NO_5$

Molecular Weight: 211.174

Accurate Mass: 211.048074

Percentage Composition: C 51.19%; H 4.30%; N 6.63%; O 37.88%

Optical Rotation: $[\alpha]_D^{24} +85.6$ (c, 0.72 in 0.2M phosphate buffer at pH 7)

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

CAS Registry Number: 64043-84-1

Molecular Formula: $C_9H_9NO_5$

Molecular Weight: 211.174

Accurate Mass: 211.048074

Percentage Composition: C 51.19%; H 4.30%; N 6.63%; O 37.88%

Physical Description: Cryst. + $2H_2O$

Melting Point: Mp 250 dec. $^{\circ}$

References:

Larsen, P.O. *et al.*, *Acta Chem. Scand.*, 1963, **17**, 2397, (*isol, synth*)

Larsen, P.O., *Biochim. Biophys. Acta*, 1975, **381**, 409, (*biosynth*)