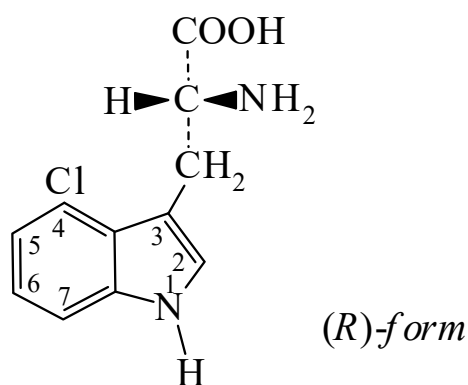




>>Entry Name: 4-Chlorotryptophan

Synonym(s): 2-Amino-3-(4-chloro-1*H*-indol-3-yl)propanoic acid



Molecular Formula: C₁₁H₁₁ClN₂O₂

Molecular Weight: 238.673

Accurate Mass: 238.050905

Percentage Composition: C 55.36%; H 4.65%; Cl 14.85%; N 11.74%; O 13.41%

>>Variant: (*R*)-form

Synonym(s): D-form

CAS Registry Number: 27542-41-2

Molecular Formula: C₁₁H₁₁ClN₂O₂

Molecular Weight: 238.673

Accurate Mass: 238.050905

Percentage Composition: C 55.36%; H 4.65%; Cl 14.85%; N 11.74%; O 13.41%

Optical Rotation: [α]_D¹⁵ +48 (c, 0.12 in AcOH aq.)

>>Variant: (*S*)-form

Synonym(s): L-form

CAS Registry Number: 52448-14-3

Molecular Formula: C₁₁H₁₁ClN₂O₂

Molecular Weight: 238.673

Accurate Mass: 238.050905

Percentage Composition: C 55.36%; H 4.65%; Cl 14.85%; N 11.74%; O 13.41%

Biological Source: Isol. from bacterial culture of *Achromobacter petrophilum* and the seed protein of the pea *Pisum sativum*. Also obt. from the seeds of *Vicia faba*

Optical Rotation: [α]_D¹⁵ -45 (c, 0.13 in AcOH aq.)

>>Derivative: *N*-(Carbomethoxyacetyl)

Molecular Formula: C₁₅H₁₅ClN₂O₅

Molecular Weight: 338.747

Accurate Mass: 338.06695

Percentage Composition: C 53.19%; H 4.46%; Cl 10.47%; N 8.27%; O 23.62%

Biological Source: Isol. from *Pisum sativum*

>>Derivative: *N*-(Carbethoxyacetyl)

Molecular Formula: C₁₆H₁₇ClN₂O₅

Molecular Weight: 352.773

Accurate Mass: 352.0826

Percentage Composition: C 54.48%; H 4.86%; Cl 10.05%; N 7.94%; O 22.68%

Biological Source: Isol. from *Pisum sativum*