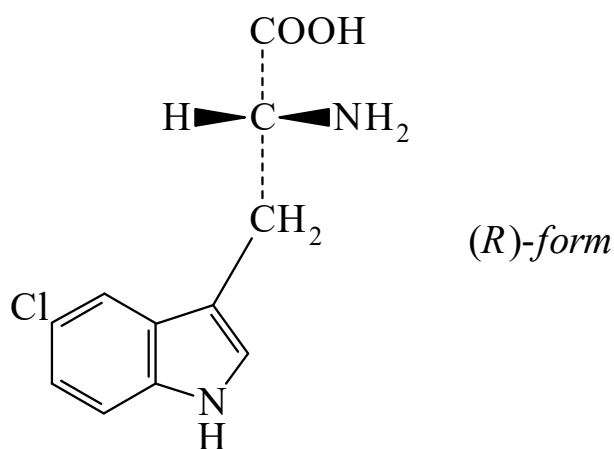




>>Entry Name: 5-Chlorotryptophan



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: 55325-48-9

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: Component of Longicatenamycin

Physical Description: Cryst.

Melting Point: Mp 238-245 dec.°

Optical Rotation: [α]_D²⁵+40 (c, 0.58 in MeOH)

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 52448-15-4

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 *Achromobacter petrophilum*

>>Variant: (±)-form

CAS Registry Number: 154-07-4

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%

Physical Description: Cryst.

Melting Point: Mp 250-255°

References:

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Japan. Pat., 1973, 73 98 091; *CA*, **80**, 106876g

Shiba, T. *et al.*, *Bull. Chem. Soc. Jpn.*, 1975, **48**, 1902, (*isol, synth, uv, pmr, ms*)

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