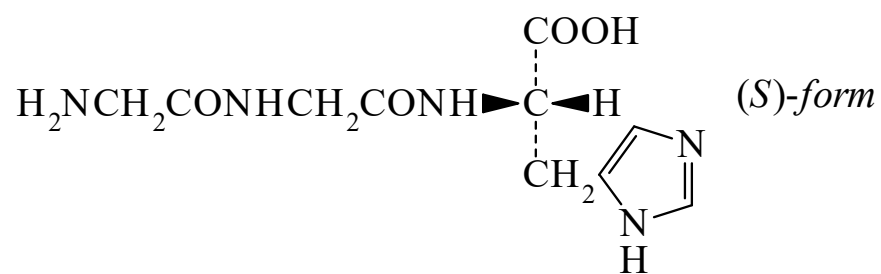




>>Entry Name: Glycylglycylhistidine



Molecular Formula: C₁₀H₁₅N₅O₄

Molecular Weight: 269.26

Accurate Mass: 269.112405

Percentage Composition: C 44.61%; H 5.61%; N 26.01%; O 23.77%

>>**Variant:** (*S*)-form

Synonym(s): L-form

CAS Registry Number: 7451-76-5

Molecular Formula: C₁₀H₁₅N₅O₄

Molecular Weight: 269.26

Accurate Mass: 269.112405

Percentage Composition: C 44.61%; H 5.61%; N 26.01%; O 23.77%

Use/Importance: Cu-binding peptide

Physical Description: Cryst. (propanol aq.)

Other Data: Dec. > 210°

>>**Derivative:** Acetate (1:1)

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 130°

Optical Rotation: [α]_D¹⁸+16 (c, 2 in H₂O)

>>**Derivative:** *N*-Benzyloxycarbonyl, Me ester

Physical Description: Cryst. + ½H₂O (propanol/Et₂O)

Melting Point: Mp 192-195°

Optical Rotation: [α]_D²⁰-5.3 (AcOH)

References:

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Yokoyama, A. *et al.*, *Bull. Chem. Soc. Jpn.*, 1974, **47**, 112, (*synth*)

Tanokura, M. *et al.*, *Biopolymers*, 1976, **15**, 393, (*pmr*)

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