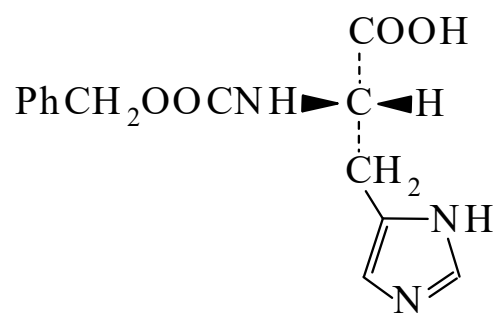




>>Entry Name: Benzyloxycarbonylhistidine

Synonym(s): *N*-[(Phenylmethoxy)carbonyl]histidine, 9Cl. Z-Histidine. Z-HisOH



Molecular Formula: C₁₄H₁₅N₃O₄

Molecular Weight: 289.29

Accurate Mass: 289.106257

Percentage Composition: C 58.13%; H 5.23%; N 14.53%; O 22.12%

>>Variant: L-form

CAS Registry Number: 14997-58-1

Molecular Formula: C₁₄H₁₅N₃O₄

Molecular Weight: 289.29

Accurate Mass: 289.106257

Percentage Composition: C 58.13%; H 5.23%; N 14.53%; O 22.12%

Melting Point: Mp 165-166°

Optical Rotation: [α]_D²⁵ -24.56 (c, 1.7 in 6*M* HCl)

Aldrich: 40854-9

Fluka: 96290

Sigma: C9895

>>Derivative: 2-*tert*-Butyloxycarbonylhydrazide

Synonym(s): Z-HisNHNHBOC

CAS Registry Number: 41445-68-5

Melting Point: Mp 90-93°

Optical Rotation: [α]_D -28.54 (c, 1.1 in MeOH)

>>Derivative: Hydrazide

Synonym(s): Z-HisNHNH₂

CAS Registry Number: 49706-31-2

Molecular Formula: C₁₄H₁₇N₅O₃

Molecular Weight: 303.32

Accurate Mass: 303.13314

Percentage Composition: C 55.44%; H 5.65%; N 23.09%; O 15.82%

Melting Point: Mp 171-173°

>>Derivative: *N*^{im}-Adamantylloxycarbonyl

Synonym(s): Z-His(Adoc)OH

CAS Registry Number: 31981-55-2

Melting Point: Mp 153°

Optical Rotation: [α]₅₇₈²⁶ +22.4 (c, 2 in MeOH)

>>Derivative: *N*^{im}-Benzyl

Synonym(s): Z-His(Bzl)OH

CAS Registry Number: 21929-66-8

Molecular Formula: C₂₁H₂₁N₃O₄

Molecular Weight: 379.415

Accurate Mass: 379.153207

Percentage Composition: C 66.48%; H 5.58%; N 11.07%; O 16.87%

Melting Point: Mp 214-215 dec.°

Optical Rotation: [α]_D +6.4 (c, 5 in AcOH)