

1. Identification

Catalogue Number

H456010

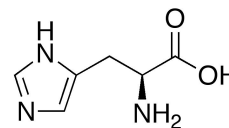
Lot Number

10-FGD-003-1

Product Name

L-Histidine

Structure



Synonyms

(2S)-2-Amino-3-(1H-imidazol-4-yl)propanoic Acid; (S)-Histidine; L-(-)-Histidine; (S)-4-(2-Amino-2-carboxyethyl)imidazole; (S)-α-Amino-1H-imidazole-4-propanoic Acid; 1448: PN: EP2071334 SEQID: 1532 claimed protein; NSC 137773; 1448: PN: WO2009077864 SEQID: (S)-1H-Imidazole-4-alanine; PN: WO2009046220 SEQID: 343 claimed sequence; Glyoxaline-5-alanine; Histidine;3-(1H-Imidazol-4-

CAS Number

71-00-1

Solubility

Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₆H₉N₃O₂

Source of Product

N/A

Long Term Storage Conditions

20°C

Molecular Weight

155.15

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 46.62, %H: 5.84, %N: 27.06

HPLC Purity

>95%

100.00% (210 nm)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

-30.1° (c = 0.1, Water)

Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed by



Jessica Wang Chi

Product Quality Specialist

Reviewed by



Toni Rantanen

Manager, Quality Assurance

C of A Approved by



Chanell Chu

Quality Assurance Associate

Test Date

3/5/2025

Retest Date

3/3/2032