



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

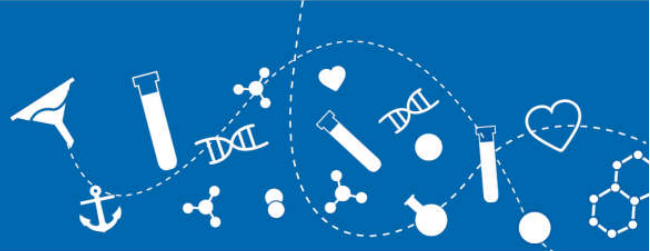
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L-Histidine free base

Catalog No: 11630
Lot No: XXXXX
Cas No: 71-00-1
Formula: C₆H₉N₃O₂
MW: 155.16
Supplied as: solid
Stability: stable at RT

Background

Histidine, also referred to as L-histidine, is an essential amino acid that is not synthesized de novo in humans. Humans and other animals must ingest histidine or histidine-containing proteins. The biosynthesis of histidine has been widely studied in prokaryotes such as *E. coli*. Histidine synthesis in *E. coli* involves eight gene products (His1, 2, 3, 4, 5, 6, 7, and 8) and it occurs in ten steps. This is possible because a single gene product has the ability to catalyze more than one reaction. Histidine is one of the amino acids that can be converted to intermediates of the tricarboxylic acid (TCA) cycle. Histidine, along with other amino acids such as proline and arginine, takes part in deamination, a process in which its amino group is removed.

Tests

Appearance:

Specifications

white to almost white fine-crystalline powder or colorless crystals

Assay (acidimetric, calc. on dried substance):

98.5 - 101.0%

Assay (perchloric acid titration, calc. on dried substance)

99.0 - 101.0%

Identity (IR-spectrum)

passes test

Appearance of solution (50 g/l; water)

clear and not more intense in color than reference solution BY₇.

Appearance of solution (20 g/l, water)

clear and colorless

pH (20 g/l, CO₂-free water)

7.0 - 8.5

Loss on drying

≤ 0.2%

Bacterial endotoxins

< 2.0

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.