

## L-组氨酸(99.0-101.0%, BioPremium)

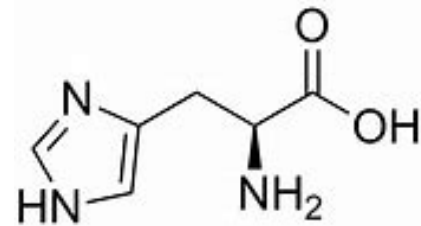
产品编号	产品名称	包装
ST1518-50g	L-组氨酸(99.0-101.0%, BioPremium)	50g
ST1518-250g	L-组氨酸(99.0-101.0%, BioPremium)	250g
ST1518-1kg	L-组氨酸(99.0-101.0%, BioPremium)	1kg
ST1518-5kg	L-组氨酸(99.0-101.0%, BioPremium)	5kg

### 产品简介:

CAS Number	Chemical Formula	Molecular Weight	Purity	Grade
71-00-1	C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub>	155.15	99.0-101.0%	BioPremium

### ➤ 基本信息(General Information):

Name (Chinese)	L-组氨酸
Name (English)	L-Histidine
Specifications	BioPremium, meets FCC, USP, EP, JP testing specifications, suitable for cell culture, ≥99%, from non-animal source
Chemical Formula	C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub>
Synonym (Chinese)	咪唑-5-α-丙氨酸;α-氨基-1H-咪唑-4-丙酸;L-α-氨基-β-4-咪唑基丙酸;L-2-氨基-3(4-咪唑基)丙酸;(S)-2-氨基-3-(4-咪唑基)丙酸;L-组织氨基酸
Synonym (English)	L-Histidine, free base; L-HIS = H-His-OH; (S)-2-Amino-3-(4-imidazolyl)propionic acid~H-His-OH; L-Histidine Base; H-His-OH
Beilstein Registry No.	84088
EINECS Number	200-745-3
MDL Number	MFCD00064315
PubChem Number	24895728
eCl@ss	32160406
NACRES	NA.26



### ➤ 产品描述(Description):

General description	-
Biochem/physiol Actions	L-Histidine is an essential amino acid that binds to metal ions and may aid in the transport of copper. Histidine is widely present at the active sites of enzymes. It also has a role in binding of heme groups, macromolecules and phosphate groups in the binding sites of proteins. Precursor of histamine by action of histidine decarboxylase.
Application	L-histidine has been used as a component in agar plates containing 5-fluorocytosine (5-FC) for the selection of yeast transformants. It has also been used as a component of adult mouse keratinocyte growth medium.
Other Notes	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### ➤ 性质(Properties):

assay	99.0-101.0%
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mp	282°C (dec.) (lit.)
bp	458.9°C at 760 mmHg
density	1.449 g/cm <sup>3</sup>
solubility	H <sub>2</sub> O: 43 g/L at 25°C - soluble
PH	7.0-8 at 15.5 g/L at 25°C
grade	BioPremium
color	白色或灰白色
form	powder
quality	meets USP, EP and JP Testing Specifications
suitability	suitable for cell culture
biological source	from non-animal source
application(S)	peptide synthesis pharmaceutical (small molecule)

➤ **安全信息(Safety Information):**

Pictogram(s)	no data available
Signal Word	No signal word
Hazard Statements	none
Precautionary statement(s) Prevention	none
Personal Protective Equipment	dust mask type N95 (US), Eyeshields, Gloves
Other hazards	none
RIDADR	NONH for all modes of transport
WGK	1
RTECS	MS3070000
Flash Point (F)	-
Flash Point (C)	-
SMILES string	<chem>N[C@@H](Cc1c[nH]cn1)C(O)=O</chem>
InChI	1S/C6H9N3O2/c7-5(6(10)11)1-4-2-8-3-9-4/h2-3,5H,1,7H2,(H,8,9)(H,10,11)/t5-m/0/s1
InChI key	HNDVDQJICIGZPNO-YFKPBYRVSA-N
Response	none
Storage Class Code	11 - Combustible Solids
Disposal	none
TSCA	Yes

**包装清单:**

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—	说明书	1份

**保存条件:**

室温避光保存。

**注意事项:**

- 本产品仅限于专业人员的科学研究用，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
- 为了您的安全和健康，请穿实验服并戴一次性手套操作。

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