

## L-脯氨酸(99.0-101.0%, BioPremium)

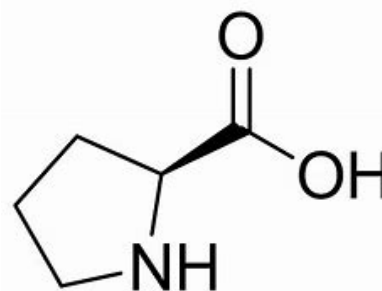
产品编号	产品名称	包装
ST1500-50g	L-脯氨酸(99.0-101.0%, BioPremium)	50g
ST1500-250g	L-脯氨酸(99.0-101.0%, BioPremium)	250g
ST1500-1kg	L-脯氨酸(99.0-101.0%, BioPremium)	1kg
ST1500-5kg	L-脯氨酸(99.0-101.0%, BioPremium)	5kg

### 产品简介:

CAS Number	Chemical Formula	Molecular Weight	Purity	Grade
147-85-3	C <sub>5</sub> H <sub>9</sub> NO <sub>2</sub>	115.13	99.0-101.0%	BioPremium

### ➤ 基本信息(General Information):

Name (Chinese)	L-脯氨酸
Name (English)	L-Proline
Specifications	BioPremium, meets FCC, USP, EP, JP testing specifications, suitable for cell culture, ≥99%, from non-animal source
Chemical Formula	C <sub>5</sub> H <sub>9</sub> NO <sub>2</sub>
Synonym (Chinese)	L-氢化吡咯甲酸;(S)-吡咯烷-2-羧酸
Synonym (English)	L-Proline; H-Pro-OH; (S)-Pyrrolidine-2-carboxylic acid; 2-Pyrrolidinecarboxylic acid; D-proline
Beilstein Registry No.	80810
EINECS Number	205-702-2
MDL Number	MFCD00064318
PubChem Number	24898677
eCl@ss	32160406
NACRES	-



### ➤ 产品描述(Description):

General description	-
Biochem/physiol Actions	Proline is a cyclic, non-essential, hydrophobic amino acid. It is a proteinogenic amino acid which is crucial for primary metabolism. In peptide chains, proline residues confer structural constraints and enhance the susceptibility of proximal peptide bonds to protease activity.
Application	L-proline has been used as a component of high-glucose-Dulbecco's modified Eagle's medium (HG-DMEM) for chondrocyte differentiation and for the culture of chondrocyte-like cells. It has also been used as a component of yeast nitrogen base for yeast cultures.
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%
mp	228°C (dec.) (lit.)
bp	252.2°C at 760 mmHg
density	1.35 g/cm <sup>3</sup>

solubility	H <sub>2</sub> O: 162.3 g/L at 25°C - soluble
PH	6.0-7.0 (25°C, 1M in H <sub>2</sub> O)
grade	BioPremium
color	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)	pharmaceutical (small molecule)

➤ **安全信息(Safety Information):**

Pictogram(s)	No symbol.
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	TW3584000
Flash Point (F)	-
Flash Point (C)	-
SMILES string	OC(=O)[C@@H]1CCCN1
InChI	1S/C5H9NO2/c7-5(8)4-2-1-3-6-4/h4,6H,1-3H2,(H,7,8)/t4-/m0/s1
InChI key	ONIBWKKTOPOVIA-BYPYZUCNSA-N
Response	none
Storage Class Code	13 - Non 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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