

## L-谷氨酰胺(99.0-101.0%, BioPremium)

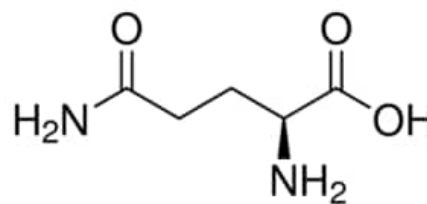
产品编号	产品名称	包装
ST1526-50g	L-谷氨酰胺(99.0-101.0%, BioPremium)	50g
ST1526-250g	L-谷氨酰胺(99.0-101.0%, BioPremium)	250g
ST1526-1kg	L-谷氨酰胺(99.0-101.0%, BioPremium)	1kg
ST1526-5kg	L-谷氨酰胺(99.0-101.0%, BioPremium)	5kg

### 产品简介:

CAS Number	Chemical Formula	Molecular Weight	Purity	Grade
56-85-9	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub>	146.14	99.0-101.0%	BioPremium

### ➤ 基本信息(General Information):

Name (Chinese)	L-谷氨酰胺
Name (English)	L-Glutamine
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>10</sub> N <sub>2</sub> O <sub>3</sub>
Synonym (Chinese)	L-谷氨酰胺, (S)-2,5-二氨基-5-氧代戊酸, L-谷氨酸-5-酰胺, 左谷氨酰胺
Synonym (English)	L(+)-Glutamic acid-5-amide; L-Glutamine, FCC Grade; L-2-Aminoglutaramic acid, FCC Grade; levoglutamide; H-Gln-OH; L-Glutamic acid 5-amide; L-Glutamine; D-glutamine; alpha-glutamine; 2, 5-diamino-5-oxo-pentanoic acid
Beilstein Registry No.	1723797
EINECS Number	200-292-1
MDL Number	MFCD00008044
PubChem Number	24895342
eCl@ss	32160406
NACRES	NA.26



### ➤ 产品描述(Description):

General description	-
Biochem/physiol Actions	Glutamine provides the necessary nitrogen, carbon and the reducing equivalents required for cell growth and division during cell culture. L-Glutamic acid aids the incorporation of NH <sub>4</sub> <sup>+</sup> into biomolecules. L-Glutamine is an essential amino acid that is a crucial component of culture media that serves as a major energy source for cells in culture. L-Glutamine is very stable as a dry powder and as a frozen solution. In liquid media or stock solutions, however, L-glutamine degrades relatively rapidly. Optimal cell performance usually requires supplementation of the media with L-glutamine prior to use.
Application	L-Glutamine has been used as one of the components for the preparation of calcium-free mCZB medium. It has also been used as a supplement in a culture medium for rat hippocampal slices.

Other Notes	-
-------------	---

➤ **性质(Properties):**

assay	99.0-101.0%
mp	185°C (dec.) (lit.)
bp	445.6°C at 760 mmHg
density	1.47 g/cm <sup>3</sup> at 20°C
solubility	H <sub>2</sub> O: 35.72 g/L at 20°C - soluble
PH	5.0-6 at 14.6 g/L at 25°C
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)	agriculture

➤ **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	MA2275100
Flash Point (F)	-
Flash Point (C)	-
SMILES string	N[C@@H](CCC(N)=O)C(O)=O
InChI	1S/C5H10N2O3/c6-3(5(9)10)1-2-4(7)8/h3H,1-2,6H2,(H2,7,8)(H,9,10)/t3-m/s1
InChI key	ZDXPYRJPNDTMRX-VKHMYHEASA-N
Response	none
Storage Class Code	11 - Combustible Solids
Disposal	none
TSCA	Yes

**包装清单:**

产品编号	产品名称	包装
ST1526-50g	L-谷氨酰胺(99.0-101.0%, BioPremium)	50g
ST1526-250g	L-谷氨酰胺(99.0-101.0%, BioPremium)	250g
ST1526-1kg	L-谷氨酰胺(99.0-101.0%, BioPremium)	1kg
ST1526-5kg	L-谷氨酰胺(99.0-101.0%, BioPremium)	5kg
—	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。