



碧云天生物技术/Beyotime Biotechnology  
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## L-精氨酸(99.0-101.0%, BioPremium)

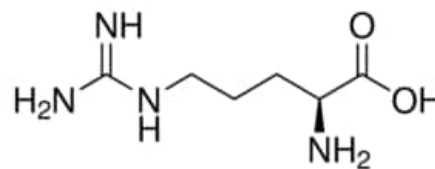
产品编号	产品名称	包装
ST1530-250g	L-精氨酸(99.0-101.0%, BioPremium)	250g
ST1530-1kg	L-精氨酸(99.0-101.0%, BioPremium)	1kg
ST1530-5kg	L-精氨酸(99.0-101.0%, BioPremium)	5kg

### 产品简介:

CAS Number	Chemical Formula	Molecular Weight	Purity	Grade
74-79-3	C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub>	174.2	99.0-101.0%	BioPremium

### ➤ 基本信息(General Information):

Name (Chinese)	L-精氨酸
Name (English)	L-Arginine
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>14</sub> N <sub>4</sub> O <sub>2</sub>
Synonym (Chinese)	胍基戊氨酸; 精氨酸-左旋; L-精氨酸碱; L-蛋白氨基酸; L-胍基戊氨酸; 2-氨基-5-胍基戊酸; L-2-氨基-胍基戊酸
Synonym (English)	Arg; ABL2; FLJ31718; FLJ22224; Arginine; FLJ41441; H-Arg-OH; L-Arginine; L(+)-Arginine; L(+)-Arginine; L-Arginine base; Abelson tyrosine-protein kinase 2; 2-amino-5-guanidino-pentanoic acid; L-2-Amino-5-guanidinopentanoic acid; ANTI-ABL2 antibody produced
Beilstein Registry No.	1725413
EINECS Number	200-811-1
MDL Number	MFCD00002635
PubChem Number	24891316
eCl@ss	32160406
NACRES	-



### ➤ 产品描述(Description):

General description	-
Biochem/physiol Actions	L-Arginine is a conditionally essential amino acid, that play a vital role in the production of nitric oxide. It acts as a precursor for the synthesis of polyamines, agmatine and urea. L-Arginine is usually essential in children and non-essential in adults. Substrate of nitric oxide synthase, which is converted to citrulline and nitric oxide (NO). Induces insulin release by a nitric oxide-dependent mechanism.
Application	L-Arginine has been used: as a Roswell park memorial institute medium (RPMI) media component in the isolation and culture of peripheral blood mononuclear cells (PBMCs) as a RPMI media component for tissue culture

	in DMEM medium for the identification and quantification of phosphorylation sites by stable isotope labeling by amino acids in cell culture (SILAC) and LCMS/MS
Other Notes	-

➤ 性质(Properties):

assay	99.0-101.0%
mp	222°C (dec.) (lit.)
bp	409.1°C at 760 mmHg
density	1.2297 g/cm <sup>3</sup> (rough estimate)
solubility	H <sub>2</sub> O: 182 g/L at 25°C - soluble
PH	11.4 at 100 g/L at 20°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 peptide synthesis 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	CF1934200
Flash Point (F)	-
Flash Point (C)	-
SMILES string	N[C@@H](CCCNC(N)=N)C(O)=O
InChI	1S/C6H14N4O2/c7-4(5(11)12)2-1-3-10-6(8)9/h4H,1-3,7H2,(H,11,12)(H4,8,9,10)/t4-m/s1
InChI key	ODKSFYDXXFIFQN-BYPYZUCNSA-N
Response	none
Storage Class Code	13 - Non Combustible Solids
Disposal	none
TSCA	Yes

包装清单:

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ST1530-5kg	L-精氨酸(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。

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