



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

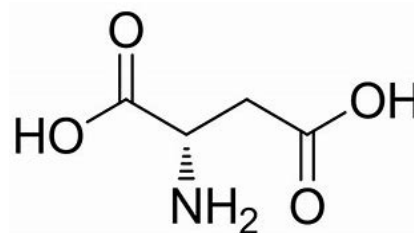
产品编号	产品名称	包装
ST1476-250g	L-天冬氨酸(99.0-101.0%, BioPremium)	250g
ST1476-1kg	L-天冬氨酸(99.0-101.0%, BioPremium)	1kg
ST1476-5kg	L-天冬氨酸(99.0-101.0%, BioPremium)	5kg

产品简介:

CAS Number	Chemical Formula	Molecular Weight	Purity	Grade
56-84-8	C ₄ H ₇ NO ₄	133.1	99.0-101.0%	BioPremium

➤ 基本信息(General Information):

Name (Chinese)	L-天冬氨酸
Name (English)	L-Aspartic acid
Specifications	BioPremium, meets FCC, USP, EP, JP testing specifications, suitable for cell culture, ≥99%, from non-animal source
Chemical Formula	C ₄ H ₇ NO ₄
Synonym (Chinese)	L(+)-氨基丁二酸;L(+)-氨基丁二酸;L(+)-氨基琥珀酸;L(+)-天冬酸;L(+)-天冬酸;L(+)-天门冬氨酸;L-天冬氨酸;L-天冬酸
Synonym (English)	ASP; ASPARTIC(L-); ASPARTIC ACID; ASPARTIC ACID, L-; H-ASP-OH; FEMA 3656; H-L-ASP-OH; L-ALPHA-AMINOSUCCINIC ACID
Beilstein Registry No.	1723530
EINECS Number	200-291-6
MDL Number	MFCD00002616
PubChem Number	24891191
eCl@ss	32160406
NACRES	NA.75




➤ 产品描述(Description):

General description	Aspartic acid(ASP)/aspartate, a non-essential amino acid, is naturally produced by mammals. ASP is one of the 20 building-block amino acids of proteins and has a one letter code, D. L-Aspartic acid can be manufactured industrially by an enzymatic process using the aspartase enzyme.
Biochem/physiol Actions	Principal neurotransmitter for fast synaptic excitation.
Application	L-Aspartic acid has been used: as an aspartame (ASP) metabolite to determine acetylcholinesterase (AChE) activity in the hippocampal homogenate of suckling rats as printed chemotaxis ligands to screen chemotaxis receptors with high-throughput technologies and verify the interactions with surface plasmon resonance (SPR) and nuclear magnetic resonance (NMR) as a supplement in Dulbecco's modified Eagle's medium (DMEM) for supplementation assays of various cultured cell lines
Other Notes	-

➤ 性质(Properties):

assay	99.0-101.0%
mp	>300°C (dec.) (lit.)
bp	245.59°C at 760 mmHg (rough estimate)
density	1.66 g/cm ³ at 13°C
solubility	H ₂ O: 4.2 g/L at 20°C - soluble
PH	3.03 at 10 g/L
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)	-

➤ 安全信息(Safety Information):

Pictogram(s)	
Signal Word	Warning
Hazard Statements	H302
Precautionary statement(s) Prevention	P264-P270
Personal Protective Equipment	dust mask type N95 (US), Eyeshields, Gloves
Other hazards	none
RIDADR	NONH for all modes of transport
WGK	1
RTECS	CI9098500
Flash Point (F)	-
Flash Point (C)	-
SMILES string	<chem>N[C@@H](CC(O)=O)C(O)=O</chem>
InChI	1S/C4H7NO4/c5-2(4(8)9)1-3(6)7/h2H,1,5H2,(H,6,7)(H,8,9)/t2-/m0/s1
InChI key	CKLJMWZTZZHCS-REOHCLBHSA-N
Response	P301 + P312 + P330
Storage Class Code	11 - Combustible Solids
Disposal	P501
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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