



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

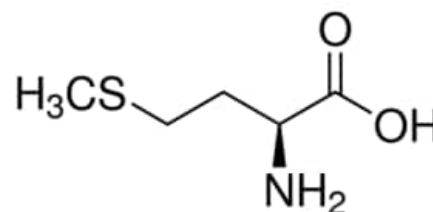
产品编号	产品名称	包装
ST1529-250g	L-甲硫氨酸(99.0-101.0%, BioPremium)	250g
ST1529-1kg	L-甲硫氨酸(99.0-101.0%, BioPremium)	1kg
ST1529-5kg	L-甲硫氨酸(99.0-101.0%, BioPremium)	5kg

### 产品简介:

CAS Number	Chemical Formula	Molecular Weight	Purity	Grade
63-68-3	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S	149.21	99.0-101.0%	BioPremium

### ➤ 基本信息(General Information):

Name (Chinese)	L-甲硫氨酸
Name (English)	L-Methionine
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>11</sub> NO <sub>2</sub> S
Synonym (Chinese)	L-蛋氨酸;L-2-氨基-4-甲硫基丁酸;L-甲硫基丁氨酸 ;L-γ- 甲 硫 基 -α- 氨 基 丁 酸;H-Met-OH;(S)-2-氨基-4-(甲硫基)丁酸
Synonym (English)	(S)-2-Amino-4-(methylmercapto)butyric acid;L-2-Amino-4-(methylthio)butanoic acid; L-MET; L-Lobamine; H-Met-OH
Beilstein Registry No.	1722294
EINECS Number	200-562-9
MDL Number	MFCD00063097
PubChem Number	24896818
eCl@ss	32160406
NACRES	NA.26



### ➤ 产品描述(Description):

General description	-
Biochem/physiol Actions	Methionine is an essential amino acid which acts a precursor for transmethylation and transsulphuration. In proteins, L-methionine is the biologically active form.The adenosylation of methionine results in the formation of S-adenosyl-L-methionine (SAM), which serves as a methyl donor to various substances. L-Methionine's metabolic product glutathione is known to regulate immune response and has antiviral action.
Application	L-Methionine has been used as a component of media to culture various cancer cells and to study its effects on the cell cycle.It has also been used as a component of DMEM medium to culture satellite cells from the white muscle of trouts.
Other Notes	-

### ➤ 性质(Properties):

assay	99.0-101.0%
mp	284°C (dec.) (lit.)
bp	306.9°C at 760 mmHg

density	1.34 g/cm <sup>3</sup> at 20°C
solubility	H <sub>2</sub> O: 53.7 g/L at 20°C soluble
PH	5-7 at 10 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)	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	PD0457000
Flash Point (F)	-
Flash Point (C)	-
SMILES string	CSCC[C@H](N)C(O)=O
InChI	1S/C5H11NO2S/c1-9-3-2-4(6)5(7)8/h4H,2-3,6H2,1H3,(H,7,8)/t4-m/s1
InChI key	FFEARJCKVFRZRR-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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