



Specialized in chemicals

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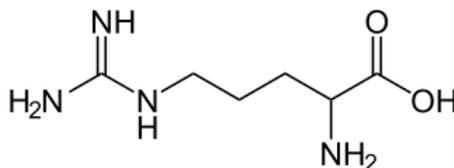
Technical Data Sheet

L-arginine

Product Information

Chemical Name	L-arginine
CAS #	74-79-3
Formula	H ₂ NC(=NH)NH(CH ₂) ₃ CH(NH ₂)COOH
Molecular Weight	174.20
Synonyms	L-Arginine; (S)-2-Amino-5-((aminoiminomethyl)amino)pentanoic acid; 1-Amino-4-guanidovaleric acid; Arginina; Argininum; L-(+)-Arginine; Arg; S-(+)-Arginine ; L-alpha-Amino-delta-guanidinovaleric acid;

Chemical Structure



Description

L-arginine is a chemical building block called "an amino acid." It is obtained from the diet and is necessary for the body to make proteins. L-arginine is found in red meat, poultry, fish, and dairy products.

Physical Properties

Appearance:	white crystalline powder
Solubility in water:	148.7g/1 20°C
Melting point:	223-224°C
Density :	1.7g/cm ³
Pka :	2.24 (at 20°C)

Specification

Assay :	98.5 ~101.5 %
Specific rotation:	+26.3° ~ + 27.7 °
Chloride :	≤ 0.05%

Sulfate: ≤0.03%
Iron : ≤30ppm
Heavy metals (Pb): ≤15ppm
Loss on drying : ≤0.50%
Residue on ignition : ≤0.30%
Chromatographic purity: Conforms
Organic volatile impurities Conforms

Safety

L-arginine is a common goods on transportation.
Always refer to Material Safety Data Sheet(MSDS)

Applications

L-arginine is used for heart and blood vessel conditions including congestive heart failure (CHF), chest pain, high blood pressure, and coronary artery disease. L-arginine is also used for recurrent pain in the legs due to blocked arteries (intermittent claudication), decreased mental capacity in the elderly (senile dementia), erectile dysfunction (ED), and male infertility..

Packaging

25kg in fiber drum

Storage & Handling

Store in a cool, dry, well-ventilated area away from incompatible substances.
Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.

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