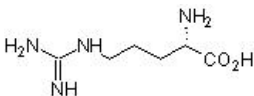


Product datasheet

L-Arginine, substrate for nitric oxide synthase ab120750

1 Image

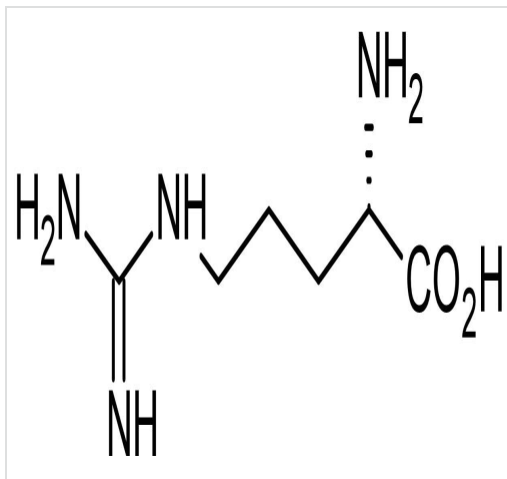
Overview

Product name	L-Arginine, substrate for nitric oxide synthase
Description	Precursor to nitric oxide synthesis
Biological description	Precursor to nitric oxide synthesis. Amino acid implicated in neurotransmission, immune defences and cardiovascular endothelial protection. Bioavailability following oral administration is 68%.
Purity	> 99%
CAS Number	74-79-3
Chemical structure	 <p>The chemical structure of L-Arginine is shown. It consists of a guanidino group (H₂N-C(=NH)-NH-) attached to a 4-amino-5-carboxypentanoic acid chain. The amino group is on the 4th carbon, and the carboxylic acid group is on the 5th carbon. The stereochemistry at the 4th carbon is (S).</p>

Properties

Chemical name	(S)-2-Amino-5-guanidinopentanoic acid
Molecular weight	174.20
Molecular formula	C ₆ H ₁₄ N ₄ O ₂
Storage instructions	Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 100 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
Source	Synthetic

Images



2D chemical structure image of ab120750, L-Arginine, substrate for nitric oxide synthase

Chemical Structure - L-Arginine, substrate for nitric oxide synthase (ab120750)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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