



LKT Laboratories, Inc.

L-Arginine Ethyl Ester Dihydrochloride

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Product Information

Product ID A6925

CAS No. 36589-29-4

Chemical Name ethyl (2S)-2-amino-5-(diaminomethylideneamino)pentanoate; dihydrochloride

Synonym

Formula $C_8H_{18}N_4O_2 \cdot 2HCl$

Formula Wt. 275.18

Melting Point

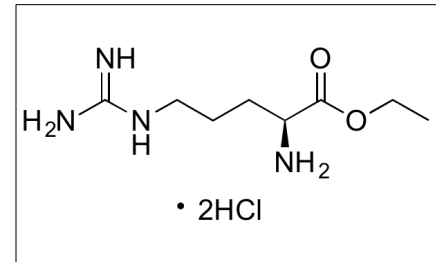
Purity $\geq 98\%$

Solubility

Store Temp $-20^\circ C$

Ship Temp Ambient

Description L-Arginine ethyl ester is a source of arginine used to study intracellular arginine signaling. This compound is a substrate for NOS and may increase production of NO and induce vasodilation.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A6925	100 mg	\$37.10
A6925	5 g	\$46.90
A6925	25 g	\$80.30
A6925	100 g	\$154.60

References Shin S, Mohan S, Fung HL. Intracellular L-arginine concentration does not determine NO production in endothelial cells: implications on the "L-arginine paradox". *Biochem Biophys Res Commun.* 2011 Nov 4;414(4):660-3. PMID: 21986532.

Knecht KR, Milam S, Wilkinson DA, et al. Time-dependent action of carbon monoxide on the newborn cerebrovascular circulation. *Am J Physiol Heart Circ Physiol.* 2010 Jul;299(1):H70-5. PMID: 20435844.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.