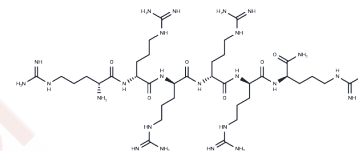


Hexa-D-arginine

Chemical Properties

CAS No. :	673202-67-0
Formula:	C ₃₆ H ₇₅ N ₂₅ O ₆
Molecular Weight:	954.14
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Hexa-D-arginine is an inhibitor of furin, blocks the activation of Pseudomonas aeruginosa exotoxin A in vivo.
Targets(IC50)	Others, Antibacterial
In vivo	The small stable furin inhibitor hexa-D-arginine amide effectively blocks PEA-induced cell lysis and is itself noncytotoxic. Administration of hexa-D-arginine to PEA-treated mice significantly improves their survival rate and also decreases circulating levels of tumor necrosis factor alpha[1].

Solubility Information

Solubility	H ₂ O: 50 mg/mL (52.4 mM), Sonication is recommended. DMSO: 20 mg/mL (20.96 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0481 mL	5.2403 mL	10.4806 mL
5 mM	0.2096 mL	1.0481 mL	2.0961 mL
10 mM	0.1048 mL	0.524 mL	1.0481 mL
50 mM	0.021 mL	0.1048 mL	0.2096 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Sarac M S , Cameron A , Lindberg I . The Furin Inhibitor Hexa-D-Arginine Blocks the Activation of Pseudomonas aeruginosa Exotoxin A In Vivo[J]. Infection and Immunity, 2002, 70(12):7136-7139.

Sarac M S , Peinado J R , Leppla S H , et al. Protection against Anthrax Toxemia by Hexa-D-Arginine In Vitro and In Vivo[J]. Infection and Immunity, 2004, 72(1):602-605.

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