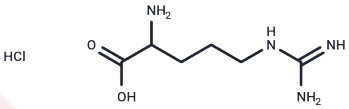
Data Sheet (Cat.No.T66618)

TargetMol

Arginine xhydrochloride

Chemical Properties



CAS No. : 32042-43-6

Formula: C6H15ClN4O2

Molecular Weight: 210.66

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Arginine xhydrochloride is used for amino acid chelation analysis, and widely applied in biochemical experiments and drug synthesis research.
Targets(IC50)	Amino Acids and Derivatives

Solubility Information

Solubility	H2O: 80 mg/mL (379.76 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.747 mL	23.7349 mL	47.4699 mL
5 mM	0.9494 mL	4.747 mL	9.494 mL
10 mM	0.4747 mL	2.3735 mL	4.747 mL
50 mM	0.0949 mL	0.4747 mL	0.9494 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

Jayaprakashkamath A, et al. Identification of Kaempferol as Viral Entry Inhibitor and DL-Arginine as Viral Replication Inhibitor from Selected Plants of Indian Traditional Medicine against COVID-19: An in silico Guided in vitro Approach. Curr Comput Aided Drug Des. 2023;19(4):313-323.

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