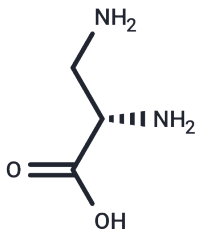
Data Sheet (Cat.No.T7335)

TargetMol

2,3-Diaminopropionic acid

Chemical Properties



CAS No. : 4033-39-0

Formula: C3H8N2O2

Molecular Weight: 104.11

Storage: Keep away from direct sunlight
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	2,3-Diaminopropionic acid (L-2,3-Diaminopropionic acid) is an amino acid that is a precursor of antibiotics and staphyloferrin B a siderophore produced by Staphylococcus aureus.
Targets(IC50)	Endogenous Metabolite,Tyrosinase

Solubility Information

Solubility	H2O: 20 mg/mL (192.1 mM),Sonication is recommended. DMSO: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.6052 mL	48.0261 mL	96.0523 mL
5 mM	1.921 mL	9.6052 mL	19.2105 mL
10 mM	0.9605 mL	4.8026 mL	9.6052 mL
50 mM	0.1921 mL	0.9605 mL	1.921 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

Beasley F C , Cheung J , Heinrichs D E . Mutation of L-2,3-diaminopropionic acid synthase genes blocks staphyloferrin B synthesis in Staphylococcus aureus[J]. BMC Microbiology, 2011, 11(1):1-12.

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