

D-Histidine

Chemical Properties

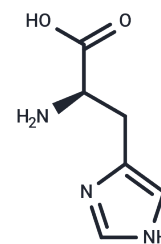
CAS No. : 351-50-8

Formula: C₆H₉N₃O₂

Molecular Weight: 155.15

Storage: Keep away from direct sunlight, Store under nitrogen
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	D-Histidine is an enantiomer of L-histidine. L-Histidine is an inhibitor of mitochondrial glutamine transport and also an essential amino acid for infants.
Targets(IC50)	Mitochondrial Metabolism, Antibacterial

Solubility Information

Solubility	H ₂ O: 31.2 mg/mL (201.1 mM), Sonication and heating are recommended. DMSO: < 1.55 mg/mL (10 mM, insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.4454 mL	32.2269 mL	64.4538 mL
5 mM	1.2891 mL	6.4454 mL	12.8908 mL
10 mM	0.6445 mL	3.2227 mL	6.4454 mL
50 mM	0.1289 mL	0.6445 mL	1.2891 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

Bou Zeidan M, et al. L-histidine inhibits biofilm formation and FLO11-associated phenotypes in *Saccharomyces cerevisiae* flor yeasts. PLoS One. 2014 Nov 4;9(11):e112141.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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