

Methyl L-histidinate dihydrochloride

Chemical Properties

CAS No. : 7389-87-9

HCl HCl

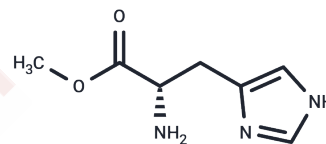
Formula: C7H13Cl2N3O2

Molecular Weight: 242.1

Keep away from moisture

Storage: 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	The inhibitory effect of Methyl L-histidinate dihydrochloride (L-Histidine methyl ester dihydrochloride) on histidine decarboxylase in Sprague-Dawley rat stomach assessed as decrease in $^{14}\text{CO}_2$ production with activity value of 1.8 μM
Targets(IC50)	Amino Acids and Derivatives,HDAC

Solubility Information

Solubility	DMSO: 27.5 mg/mL (113.59 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	4.1305 mL	20.6526 mL	41.3052 mL
5 mM	0.8261 mL	4.1305 mL	8.261 mL
10 mM	0.4131 mL	2.0653 mL	4.1305 mL
50 mM	0.0826 mL	0.4131 mL	0.8261 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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