Data Sheet (Cat.No.T2O2701)

TargetMol

L-Ornithine hydrochloride

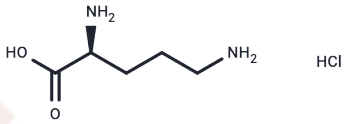
Chemical Properties

CAS No. : 3184-13-2

Formula: C5H13ClN2O2

Molecular Weight: 168.62

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	L-Ornithine hydrochloride ((S)-2,5-Diaminopentanoic acid) has an antifatigue effect by increasing the efficiency of energy consumption and promoting the excretion of ammonia. It is one of the key reactants in the urea cycle.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.9305 mL	29.6525 mL	59.3049 mL
5 mM	1.1861 mL	5.9305 mL	11.861 mL
10 mM	0.593 mL	2.9652 mL	5.9305 mL
50 mM	0.1186 mL	0.593 mL	1.1861 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

Demura S, et al. Effect of L-ornithine hydrochloride ingestion on intermittent maximal anaerobic cycle ergometer performance and fatigue recovery after exercise. Eur J Appl Physiol. 2011 Nov;111(11):2837-43.

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