

L-Lysine-13C6-15N2 hydrochloride

Chemical Properties

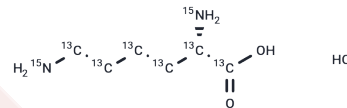
CAS No. : 1200447-00-2

Formula: $^{13}\text{C}_6 \text{H}^{15}\text{N}^{15}\text{Cl} \text{ } ^{15}\text{N}_2\text{O}_2$

Molecular Weight: 190.59

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-Lysine-13C6-15N2 hydrochloride is L-Lysine hydrochloride labeled with 13C and 15N isotopes. L-Lysine Hydrochloride (T8071) is an essential amino acid for humans and a common food additive. It stimulates the secretion of pepsin and gastric acid, enhances gastric juice secretion, and promotes growth and development in children.
Targets(IC50)	Endogenous Metabolite,Virus Protease

Solubility Information

Solubility	H2O: 200 mg/mL (1049.37 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	5.2469 mL	26.2343 mL	52.4686 mL
5 mM	1.0494 mL	5.2469 mL	10.4937 mL
10 mM	0.5247 mL	2.6234 mL	5.2469 mL
50 mM	0.1049 mL	0.5247 mL	1.0494 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

Hong S, et al. Enhancement of β -Lactam-Mediated Killing of Gram-Negative Bacteria by Lysine Hydrochloride. Microbiol Spectr. 2023 Aug 17;11(4):e0119823.

Dasgupta S, et al. Role of L-lysine HCl in adoptive immune therapy towards development of suitable tuberculosis vaccination. Indian J Exp Biol. 2004 Aug;42(8):758-65.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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