

L-Lysine hydrochloride

Chemical Properties

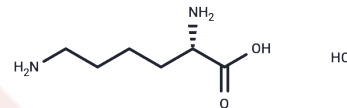
CAS No. : 657-27-2

Formula: C₆H₁₅ClN₂O₂

Molecular Weight: 182.65

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 hydrochloride, an essential amino acid for humans, offers numerous benefits including the treatment of herpes, reduction of diabetes-related illnesses, enhanced calcium absorption, and improved gut health.
Targets(IC50)	Endogenous Metabolite, Virus Protease

Solubility Information

Solubility	H ₂ O: 125 mg/mL (684.37 mM), Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.475 mL	27.3748 mL	54.7495 mL
5 mM	1.095 mL	5.475 mL	10.9499 mL
10 mM	0.5475 mL	2.7375 mL	5.475 mL
50 mM	0.1095 mL	0.5475 mL	1.095 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

Al-Malki AL, et al. Suppression of acute pancreatitis by L-lysine in mice. *BMC Complement Altern Med.* 2015 Jun 23; 15:193.

Shimomura A, et al. Dietary L-lysine prevents arterial calcification in adenine-induced uremic rats. *J Am Soc Nephrol.* 2014 Sep;25(9):1954-65.

Baruffol C, et al. L-lysine dose dependently delays gastric emptying and increases intestinal fluid volume in humans and rats. *Neurogastroenterol Motil.* 2014 Jul;26(7):999-1009.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481