

LH1753

Chemical Properties

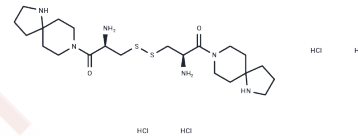
CAS No. : 2650492-10-5

Formula: C₂₂H₄₄Cl₄N₆O₂S₂

Molecular Weight: 630.57

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	LH1753 is an orally active inhibitor of L-cystine crystallization, with an EC ₅₀ of 29.5 nM. It is applicable in research related to Cystinuria.
Targets(IC ₅₀)	Others
In vivo	LH1753 (150 μmol/kg, administered orally, once daily for eight weeks) inhibits the formation of L-cystine stones but does not affect the growth of the cystinuria mouse model with Slc3a1 gene knockout [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5859 mL	7.9293 mL	15.8587 mL
5 mM	0.3172 mL	1.5859 mL	3.1717 mL
10 mM	0.1586 mL	0.7929 mL	1.5859 mL
50 mM	0.0317 mL	0.1586 mL	0.3172 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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