

LYS01

## Chemical Properties

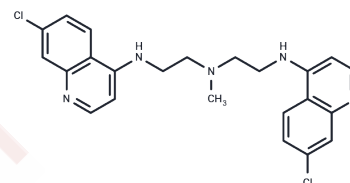
CAS No. : 1391426-22-4

Formula: C<sub>23</sub>H<sub>23</sub>Cl<sub>2</sub>N<sub>5</sub>

Molecular Weight: 440.37

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	LYS01 free base is a new lysosomal autophagy inhibitor.
Targets(IC50)	Autophagy

## Solubility Information

Solubility	DMSO: 4.41 mg/mL (10.01 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	2.2708 mL	11.3541 mL	22.7082 mL
5 mM	0.4542 mL	2.2708 mL	4.5416 mL
10 mM	0.2271 mL	1.1354 mL	2.2708 mL
50 mM	0.0454 mL	0.2271 mL	0.4542 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

Amaravadi RK, Winkler JD. Lys05: a new lysosomal autophagy inhibitor. *Autophagy*. 2012 Sep;8(9):1383-4.

McAfee Q, Zhang Z, Samanta A, Levi SM, Ma XH, Piao S, et al. *Proc Natl Acad Sci U S A*. 2012 May 22;109(21):8253-8.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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