

ST-539

Chemical Properties

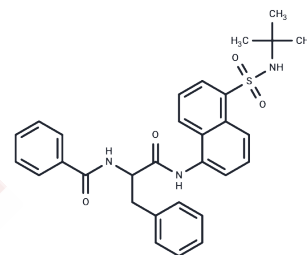
CAS No. : 1040754-67-3

Formula: C30H31N3O4S

Molecular Weight: 529.65

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	ST-539 is an inhibitor of the deubiquitinating enzyme USP30, with an IC50 of 0.37 μ M. It enhances the ubiquitination of mitochondrial proteins and induces mitophagy (autophagy), thereby regulating mitochondrial homeostasis. ST-539 is applicable for research in neurodegenerative diseases.
Targets(IC50)	Autophagy,DUB

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.888 mL	9.4402 mL	18.8804 mL
5 mM	0.3776 mL	1.888 mL	3.7761 mL
10 mM	0.1888 mL	0.944 mL	1.888 mL
50 mM	0.0378 mL	0.1888 mL	0.3776 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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