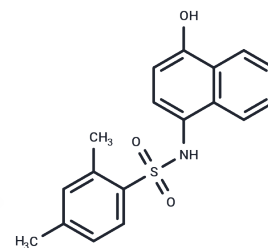


ATG12-ATG3 inhibitor 1

Chemical Properties

CAS No. :	333351-38-5
Formula:	C ₁₈ H ₁₇ NO ₃ S
Molecular Weight:	327.4
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	ATG12-ATG3 inhibitor 1 is a selective autophagy inhibitor targeting the ATG12-ATG3 interaction. It inhibits autophagosome expansion, serving as a probe for dissecting autophagy mechanisms.
Targets(IC50)	Autophagy
In vitro	ATG12-ATG3 inhibitor 1 targets ATG12-ATG3 interaction, reduces LC3B-II, and induces p62 accumulation to block autophagosome elongation [1].

Solubility Information

Solubility	DMSO: 200 mg/mL (610.87 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	3.0544 mL	15.2718 mL	30.5437 mL
5 mM	0.6109 mL	3.0544 mL	6.1087 mL
10 mM	0.3054 mL	1.5272 mL	3.0544 mL
50 mM	0.0611 mL	0.3054 mL	0.6109 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

Portugal J, Waring MJ. Assignment of DNA binding sites for 4',6-diamidine-2-phenylindole and bisbenzimidazole (Hoechst 33258). A comparative footprinting study. *Biochimica et Biophysica Acta* 949 (2): 158-68.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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