

ATX inhibitor 11

Chemical Properties

CAS No. :	2485779-27-7
Formula:	C32H35N5O6
Molecular Weight:	585.65
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	ATX inhibitor 11 is a potent inhibitor of autotaxin (ATX) with an IC50 of 2.7 nM. ATX inhibitor 11 reduces fibrosis severity and decreases α -SMA deposition in mouse models of fibrosis. ATX inhibitor 11 is utilized in fibrosis-related research focused on lysophosphatidic acid signaling, extracellular matrix remodeling, and fibroblast activation mechanisms in pulmonary and tissue fibrosis models.
Targets(IC50)	PDE

Solubility Information

Solubility	DMSO: 80 mg/mL (136.6 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	1.7075 mL	8.5375 mL	17.075 mL
5 mM	0.3415 mL	1.7075 mL	3.415 mL
10 mM	0.1708 mL	0.8538 mL	1.7075 mL
50 mM	0.0342 mL	0.1708 mL	0.3415 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

Lei H, et al. Novel imidazo[1,2-a]pyridine derivatives as potent ATX allosteric inhibitors: Design, synthesis and promising in vivo anti-fibrotic efficacy in mice lung model. Bioorg Chem. 2022 Mar;120:105590.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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