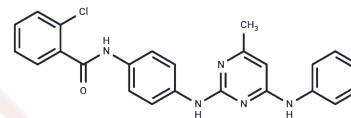


Aumitin

Chemical Properties

CAS No. :	946293-78-3
Formula:	C ₂₄ H ₂₀ ClN ₅ O
Molecular Weight:	429.9
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	Aumitin, a diaminopyrimidine-based autophagy inhibitor, dose-dependently inhibits starvation- and rapamycin-induced autophagy with IC ₅₀ s of 0.12 μM and 0.24 μM, respectively [1], and also inhibits mitochondrial respiration by targeting complex I.
Targets(IC ₅₀)	Autophagy

Solubility Information

Solubility	DMSO: 90 mg/mL (209.35 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	2.3261 mL	11.6306 mL	23.2612 mL
5 mM	0.4652 mL	2.3261 mL	4.6522 mL
10 mM	0.2326 mL	1.1631 mL	2.3261 mL
50 mM	0.0465 mL	0.2326 mL	0.4652 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

Robke L, et al. Discovery of the novel autophagy inhibitor aumitin that targets mitochondrial complex I. Chem Sci. 2018 Feb 26;9(11):3014-3022.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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