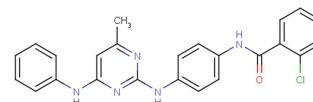


Aumitin

Chemical Properties

CAS No.:	946293-78-3
Formula:	C ₂₄ H ₂₀ ClN ₅ O
Molecular Weight:	429.9
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Aumitin is a diaminopyrimidine-based autophagy inhibitor. Aumitin inhibits starvation- and rapamycin induced autophagy dose dependently with IC ₅₀ s of 0.12 μ M and 0.24 μ M, respectively[1], and it inhibits mitochondrial respiration by targeting complex I.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.326 mL	11.631 mL	23.261 mL
5 mM	0.465 mL	2.326 mL	4.652 mL
10 mM	0.233 mL	1.163 mL	2.326 mL
50 mM	0.047 mL	0.233 mL	0.465 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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