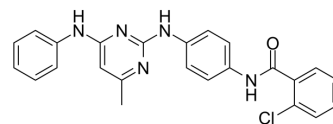


Aumitin

Cat. No.:	HY-124726		
CAS No.:	946293-78-3		
Molecular Formula:	C ₂₄ H ₂₀ ClN ₅ O		
Molecular Weight:	429.9		
Target:	Autophagy		
Pathway:	Autophagy		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (232.61 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Aumitin is a diaminopyrimidine-based autophagy inhibitor which inhibits mitochondrial respiration by targeting complex I. Aumitin inhibits starvation- and rapamycin induced autophagy dose dependently with IC₅₀s of 0.12 μM and 0.24 μM, respectively^[1].

REFERENCES

[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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA