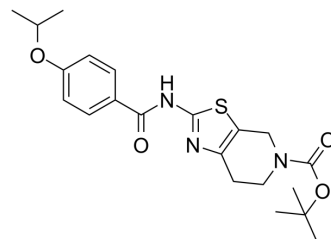


Autogramin-2

Cat. No.:	HY-128340		
CAS No.:	2375541-45-8		
Molecular Formula:	C ₂₁ H ₂₇ N ₃ O ₄ S		
Molecular Weight:	417.52		
Target:	Autophagy		
Pathway:	Autophagy		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 83.33 mg/mL (199.58 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3951 mL	11.9755 mL	23.9509 mL
	5 mM	0.4790 mL	2.3951 mL	4.7902 mL
	10 mM	0.2395 mL	1.1975 mL	2.3951 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (4.98 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (4.98 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Autogramin-2 potently inhibits autophagy induced by either starvation (IC₅₀=0.27 μM) or mTORC1 inhibition (Rapamycin; IC₅₀=0.14 μM)^[1].

REFERENCES

- [1]. Lاراia L, et al. The cholesterol transfer protein GRAMD1A regulates autophagosome biogenesis. Nat Chem Biol. 2019 Jul;15(7):710-720.

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

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