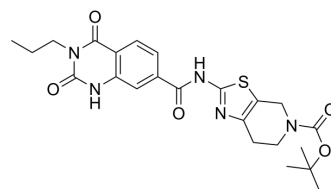


Autogramin-1

Cat. No.:	HY-128339	
CAS No.:	2375541-73-2	
Molecular Formula:	C ₂₃ H ₂₇ N ₅ O ₅ S	
Molecular Weight:	485.56	
Target:	Autophagy	
Pathway:	Autophagy	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 6.94 mg/mL (14.29 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0595 mL	10.2974 mL	20.5948 mL
	5 mM	0.4119 mL	2.0595 mL	4.1190 mL
	10 mM	0.2059 mL	1.0297 mL	2.0595 mL

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

BIOLOGICAL ACTIVITY

Description

Autogramin-1 potently inhibits autophagy induced by either starvation (IC₅₀=0.17 μM) or mTORC1 inhibition (Rapamycin; IC₅₀=0.44 μM)^[1].

REFERENCES

[1]. Laraia 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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