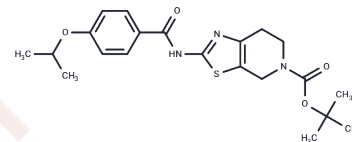


Autogramin-2

Chemical Properties

CAS No. :	2375541-45-8
Formula:	C ₂₁ H ₂₇ N ₃ O ₄ S
Molecular Weight:	417.52
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	Autogramin-2 (tert-butyl 2-(4-isopropoxybenzamido)-6,7-dihydrothiazolo[5,4-c]pyridine-5(4H)-carboxylate) potently inhibits autophagy induced by either starvation with IC ₅₀ of 0.27 μM, and inhibits mTORC1 (Rapamycin; IC ₅₀ :0.14 μM)
Targets(IC ₅₀)	Autophagy

Solubility Information

Solubility	DMSO: 83.33 mg/mL (199.58 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	2.3951 mL	11.9755 mL	23.9509 mL
5 mM	0.479 mL	2.3951 mL	4.7902 mL
10 mM	0.2395 mL	1.1975 mL	2.3951 mL
50 mM	0.0479 mL	0.2395 mL	0.479 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

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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