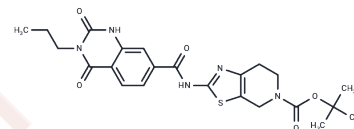


## Autogramin-1

## Chemical Properties

CAS No. :	2375541-73-2
Formula:	C <sub>23</sub> H <sub>27</sub> N <sub>5</sub> O <sub>5</sub> S
Molecular Weight:	485.56
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-1 potently inhibits autophagy induced by mTORC1 inhibition (Rapamycin; IC <sub>50</sub> : 0.44 μM) or starvation (IC <sub>50</sub> : 0.17 μM).
Targets(IC <sub>50</sub> )	Autophagy,mTOR

## Solubility Information

Solubility	DMSO: 7.1 mg/mL (14.62 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	2.0595 mL	10.2974 mL	20.5948 mL
5 mM	0.4119 mL	2.0595 mL	4.119 mL
10 mM	0.2059 mL	1.0297 mL	2.0595 mL
50 mM	0.0412 mL	0.2059 mL	0.4119 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.

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