Data Sheet (Cat.No.T23498)

TargetMol

UNC3230

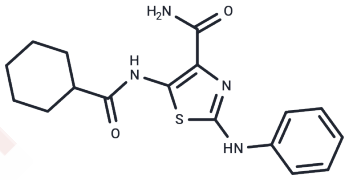
Chemical Properties

CAS No. : 1031602-63-7

Formula: C17H20N4O2S

Molecular Weight: 344.43

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	UNC3230 is a potent, selective, and ATP-competitive PIP5K1C inhibitor with an IC50 of approximately 41 nM. UNC3230 (UNC 3230) also inhibits PIP4K2C.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 122 mg/mL (354.21 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (9.58 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9033 mL	14.5167 mL	29.0335 mL
5 mM	0.5807 mL	2.9033 mL	5.8067 mL
10 mM	0.2903 mL	1.4517 mL	2.9033 mL
50 mM	0.0581 mL	0.2903 mL	0.5807 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

Wright BD, et al. The lipid kinase PIP5K1C regulates pain signaling and sensitization. Neuron. 2014 May 21;82(4):836-47.

Peng W, et al. Type Iγ phosphatidylinositol phosphate kinase promotes tumor growth by facilitating Warburg effect in colorectal cancer. EBioMedicine. 2019 Jun;44:375-386.

Wright BD, et al. Development of a High-Throughput Screening Assay to Identify Inhibitors of the Lipid Kinase PIP5K1C. J Biomol Screen. 2015 Jun;20(5):655-62.

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