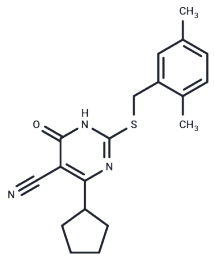
Data Sheet (Cat.No.T15485)

TargetMol

HJC0197

Chemical Properties



CAS No. : 1383539-73-8

Formula: C19H21N3OS

Molecular Weight: 339.45

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	HJC0197 selectively blocks cAMP-induced Epac activation. HJC0197 is an effective exchange protein. Which straightly activated by cAMP (Epac) antagonist (IC50=5.9 μM for Epac2).
Targets(IC50)	cAMP,Ras
In vitro	In the presence of an equal concentration of cAMP, HJC0197 (25 μM) also inhibits Epac1-mediated Rap1-GDP exchange activity at 25 μM.

Solubility Information

Solubility	DMSO: 25 mg/mL (73.65 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.89 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	2.9459 mL	14.7297 mL	29.4594 mL
5 mM	0.5892 mL	2.9459 mL	5.8919 mL
10 mM	0.2946 mL	1.473 mL	2.9459 mL
50 mM	0.0589 mL	0.2946 mL	0.5892 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

Chen H, et al. 5-Cyano-6-oxo-1,6-dihydro-pyrimidines as potent antagonists targeting exchange proteins directly activated by cAMP. Bioorg Med Chem Lett. 2012 Jun 15;22(12):4038-43.