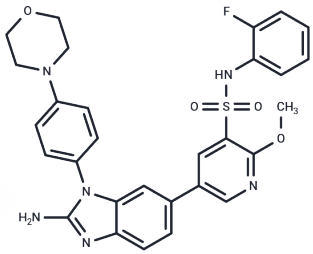
Data Sheet (Cat.No.T27499)

TargetMol

GSK-A1

Chemical Properties



CAS No. : 1416334-69-4

Formula: C29H27FN6O4S

Molecular Weight: 574.63

Storage: Store at low temperature
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	GSK-A1 is a specific inhibitor of PI4KA, also inhibited calcium-driven PRL secretion without affecting calcium signaling and Prl expression. GSK-A1 has anti-hepatitis C virus (HCV) potential.
Targets(IC50)	HCV Protease,PI4K
In vitro	GSK-A1 is a selective?type III phosphatidylinositol 4-kinase PI4KA (PI4KIIIα)?inhibitor with a?pIC50?of 8.5-9.8[3]. GSK-A1 potently decreases the levels of PtdIns(4)P with a negligible effect on PtdIns(4,5)P2[3].

Solubility Information

Solubility	DMSO: 2.3 mg/mL (4 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7403 mL	8.7013 mL	17.4025 mL
5 mM	0.3481 mL	1.7403 mL	3.4805 mL
10 mM	0.174 mL	0.8701 mL	1.7403 mL
50 mM	0.0348 mL	0.174 mL	0.3481 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

Beebe SJ, Reimann EM, Schlender KK. Purification and characterization of a cAMP- and Ca2+-calmodulin-independent glycogen synthase kinase from porcine renal cortex. J Biol Chem. 1984 Feb 10;259(3):1415-22. PubMed PMID: 6319398.

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