

GSK2292767

Chemical Properties

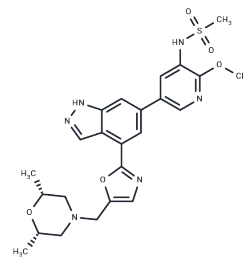
CAS No. : 1254036-66-2

Formula: C₂₄H₂₈N₆O₅S

Molecular Weight: 512.58

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	GSK2292767 is a potent and selective inhibitor of PI3Kδ.
Targets(IC50)	PI3K
In vitro	BI-847325 shows growth-inhibitory effects on BRAF-mutant and vemurafenib-resistant melanoma cells with IC50 ranging from 0.3 nM to 2 μM, and prevents colony formation in six BRAF-mutant melanoma cell lines. BI-847325 also induces apoptosis by reducing Mcl-1 expression. [1]
In vivo	GSK2292767 is highly selective for PI3Kδ over the closely related isoforms and is active in a disease relevant brown Norway rat acute OVA model of Th2-driven lung inflammation [1].

Solubility Information

Solubility	DMSO: 93 mg/mL (181.44 mM), Sonication is recommended. Ethanol: <1 mg/mL, H ₂ O: <1 mg/mL, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9509 mL	9.7546 mL	19.5091 mL
5 mM	0.3902 mL	1.9509 mL	3.9018 mL
10 mM	0.1951 mL	0.9755 mL	1.9509 mL
50 mM	0.039 mL	0.1951 mL	0.3902 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

Down K, et al. J Med Chem. 2015, 58(18):7381-7399.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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