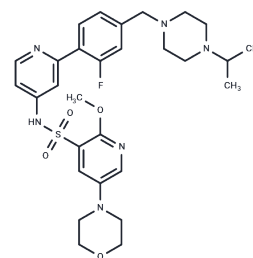


GSK251

Chemical Properties

CAS No. : 2125968-05-8
 Formula: C₂₉H₃₇FN₆O₄S
 Molecular Weight: 584.71
 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	GSK251 is a novel, orally bioavailable inhibitor of PI3K δ , exhibiting high potency and selectivity, with a unique binding mode.
Targets(IC50)	PI3K

Solubility Information

Solubility	DMSO: 50 mg/mL (85.51 mM), Sonication and heating to 60°C are 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 (3.42 mM), Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7102 mL	8.5512 mL	17.1025 mL
5 mM	0.342 mL	1.7102 mL	3.4205 mL
10 mM	0.171 mL	0.8551 mL	1.7102 mL
50 mM	0.0342 mL	0.171 mL	0.342 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. Discovery of GSK251: A Highly Potent, Highly Selective, Orally Bioavailable Inhibitor of PI3K δ with a Novel Binding Mode. J Med Chem. 2021 Sep 23;64(18):13780-13792.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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