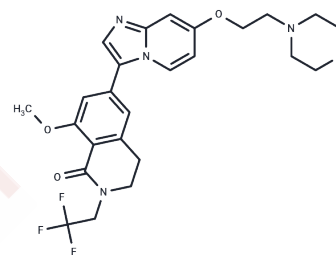


GLPG3970

Chemical Properties

CAS No. : 2403733-82-2
 Formula: C₂₅H₂₇F₃N₄O₄
 Molecular Weight: 504.5
 Storage: Keep away from direct sunlight
 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	GLPG3970 GLPG3970 is a novel orally available selective dual SIK2/SIK3 inhibitor. GLPG3970 has potential anti-inflammatory activity for the study of autoimmune diseases.
Targets(IC50)	SIK

Solubility Information

Solubility	DMSO: 128.8 mg/mL (255.3 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: 3.3 mg/mL (6.54 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	1.9822 mL	9.9108 mL	19.8216 mL
5 mM	0.3964 mL	1.9822 mL	3.9643 mL
10 mM	0.1982 mL	0.9911 mL	1.9822 mL
50 mM	0.0396 mL	0.1982 mL	0.3964 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

Peixoto C, et al. Discovery of Clinical Candidate GLPG3970: A Potent and Selective Dual SIK2/SIK3 Inhibitor for the Treatment of Autoimmune and Inflammatory Diseases. J Med Chem. 2024 Apr 11;67(7):5233-5258.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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