

GSK2324

Chemical Properties

CAS No. : 1020567-30-9

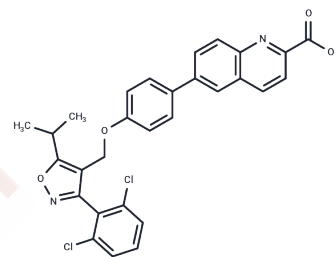
Formula: C₂₉H₂₂Cl₂N₂O₄

Molecular Weight: 533.4

Keep away from moisture

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	GSK2324 is a potent FXR agonist for the treatment of NAFLD by controlling hepatic lipids through reduced uptake and selective reduction of fatty acid synthesis.
Targets(IC50)	FXR

Solubility Information

Solubility	DMSO: 100 mg/mL (187.48 mM),Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8748 mL	9.3738 mL	18.7477 mL
5 mM	0.375 mL	1.8748 mL	3.7495 mL
10 mM	0.1875 mL	0.9374 mL	1.8748 mL
50 mM	0.0375 mL	0.1875 mL	0.375 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

- Tarling EJ, et al. The nuclear receptor FXR uncouples the actions of miR-33 from SREBP-2. *Arterioscler Thromb Vasc Biol.* 2015 Apr;35(4):787-95.
- Clifford BL, et al. FXR activation protects against NAFLD via bile-acid-dependent reductions in lipid absorption. *Cell Metab.* 2021 Aug 3;33(8):1671-1684.e4.
- TQ de Aguiar Vallim, et al. MicroRNA-144 regulates hepatic ABCA1 and plasma HDL following activation of the nuclear receptor FXR. *Circulation research.* 2013, 112(12): 1602.
- Bennett BJ, et al. Trimethylamine-N-oxide, a metabolite associated with atherosclerosis, exhibits complex genetic and dietary regulation. *Cell Metab.* 2013 Jan 8;17(1):49-60.

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