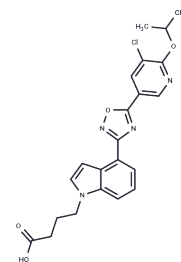


GSK2018682

Chemical Properties

CAS No. : 1034688-30-6
 Formula: C₂₂H₂₁ClN₄O₄
 Molecular Weight: 440.88
 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	GSK2018682 is an agonist of sphingosine-1-phosphate receptor (s1p1) and (s1p5) agonist(pEC50s of 7.7 and 7.2,respectively).
Targets(IC50)	LPL Receptor,S1P Receptor

Solubility Information

Solubility	DMSO: 125 mg/mL (283.52 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: 4 mg/mL (9.07 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	2.2682 mL	11.341 mL	22.6819 mL
5 mM	0.4536 mL	2.2682 mL	4.5364 mL
10 mM	0.2268 mL	1.1341 mL	2.2682 mL
50 mM	0.0454 mL	0.2268 mL	0.4536 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

Xu J , Gray F , Henderson A , et al. Safety, pharmacokinetics, pharmacodynamics, and bioavailability of GSK2018682, a sphingosine-1-phosphate receptor modulator, in healthy volunteers[J]. Clinical Pharmacology in Drug Development, 2014, 3(3):170-178.

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