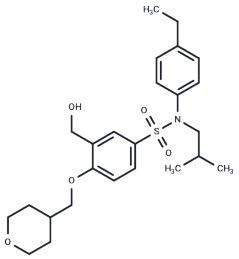
Data Sheet (Cat.No.T4050)

GSK2981278

Chemical Properties



CAS No. : 1474110-21-8

Formula: C25H35NO5S

Molecular Weight: 461.61

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	GSK2981278 (ROR gama modulator 1) is a highly potent and selective inverse agonist of retinoic acid receptor-related orphan receptor gamma (ROR gamma).
Targets(IC50)	ROR

Solubility Information

Solubility	DMSO: 50 mg/mL (108.32 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: 2 mg/mL (4.33 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1663 mL	10.8317 mL	21.6633 mL
5 mM	0.4333 mL	2.1663 mL	4.3327 mL
10 mM	0.2166 mL	1.0832 mL	2.1663 mL
50 mM	0.0433 mL	0.2166 mL	0.4333 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

Birault Veronique, et al. Preparation of tetrahydropyranylmethoxy benzenesulfonamide compounds as RORγ modulators useful in therapy of various diseases. From PCT Int. Appl. (2015), WO 2015061515 A1 20150430.

Sun S L, Xu H J, Jiang X L, et al.Discovery of 1-(Phenylsulfonyl)-1, 2, 3, 4-tetrahydroquinoline Derivative as Orally Bioavailable and Safe RORγt Inverse Agonists for Potential Treatment of Rheumatoid Arthritis.Journal of Medicinal Chemistry.2024

Birault Veronique, et al. Preparation of tertiary N-arylbenzenesulfonamides as RORγ modulators useful in treatment of inflammatory, metabolic, and autoimmune diseases. From PCT Int. Appl. (2013), WO 2013160418 A1 20131031.

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