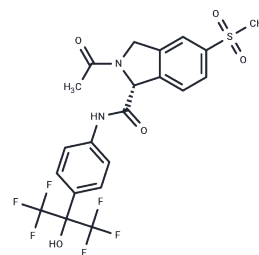


AZD-0284

Chemical Properties

CAS No. : 2101291-07-8
 Formula: C₂₁H₁₈F₆N₂O₅S
 Molecular Weight: 524.43
 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	AZD-0284 is an inverse agonist of the nuclear receptor ROR γ . In development for the treatment of plaque psoriasis vulgaris and respiratory tract disorders[1].
Targets(IC50)	ROR
In vitro	AZD0284 (0.37 μ M; 5 days) inhibits IL-17A production in human TH17 cells[1], reduces polarization of TH17 into pathogenic TH17/1 cells, decreases the frequency of IL-17+ cells and double positive TH17/1 cells, and reduces IL-17A secretion and RNA expression of IL-17A, IL-17F, IL-22, and IL-23R[1][2].

Solubility Information

Solubility	DMSO: 99 mg/mL (188.78 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: 1 mg/mL (1.91 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	1.9068 mL	9.5342 mL	19.0683 mL
5 mM	0.3814 mL	1.9068 mL	3.8137 mL
10 mM	0.1907 mL	0.9534 mL	1.9068 mL
50 mM	0.0381 mL	0.1907 mL	0.3814 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

Narjes, F, et al. The discovery of AZD0284, an inverse agonist of the nuclear receptor ROR γ . American Chemical Society, 2017 Drug Design and Delivery Symposium 26 October 2017

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