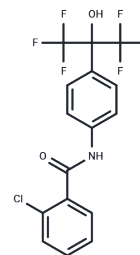


SR0987

Chemical Properties

CAS No. : 303126-97-8
 Formula: C₁₆H₁₀ClF₆NO₂
 Molecular Weight: 397.7
 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	SR0987 is a ROR γ t agonist,
Targets(IC50)	ROR
In vitro	Treatment with SR0987 leads to a significant decrease in the surface expression of PD-1, while desmosterol shows no impact on this parameter. Co-treatment with SR0987 and desmosterol suggests a potential increase in IL17 production. Additionally, SR0987 exhibits a concentration-dependent stimulation of reporter gene expression, achieving an effective concentration (EC50) of approximately 800nM.

Solubility Information

Solubility	DMSO: 45 mg/mL (113.15 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 (5.03 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	2.5145 mL	12.5723 mL	25.1446 mL
5 mM	0.5029 mL	2.5145 mL	5.0289 mL
10 mM	0.2514 mL	1.2572 mL	2.5145 mL
50 mM	0.0503 mL	0.2514 mL	0.5029 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

- Chang MR, et al. Synthetic ROR γ t Agonists Enhance Protective Immunity. ACS Chem Biol. 2016 Apr 15;11(4):1012-8.
Hu X, et al. Synthetic ROR γ agonists regulate multiple pathways to enhance antitumor immunity. Oncoimmunology. 2016 Nov 4;5(12):e1254854.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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