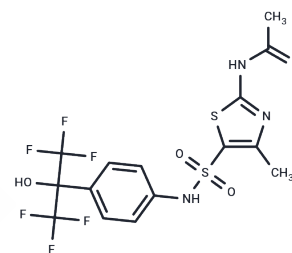


SR1001

Chemical Properties

CAS No. : 1335106-03-0
 Formula: C₁₅H₁₃F₆N₃O₄S₂
 Molecular Weight: 477.4
 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	SR 1001 is an inverse agonist for ROR α /ROR γ (Kis: 172/111 nM).
Targets(IC50)	REV-ERB,ROR

Solubility Information

Solubility	DMSO: 250 mg/mL (523.67 mM),Sonication is recommended. H ₂ O: Insoluble, Ethanol: 45 mg/mL (94.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (20.95 mM),Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.19 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	2.0947 mL	10.4734 mL	20.9468 mL
5 mM	0.4189 mL	2.0947 mL	4.1894 mL
10 mM	0.2095 mL	1.0473 mL	2.0947 mL
50 mM	0.0419 mL	0.2095 mL	0.4189 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

Solt LA, et al. Suppression of TH17 differentiation and autoimmunity by a synthetic ROR ligand. *Nature*. 2011 Apr 28;472(7344):491-4.

Beurel E, et al. Inflammatory T helper 17 cells promote depression-like behavior in mice. *Biol Psychiatry*. 2013 Apr 1;73(7):622-30.

Crumbley C, et al. Regulation of expression of citrate synthase by the retinoic acid receptor-related orphan receptor α (ROR α). *PLoS One*. 2012;7(4):e33804.

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