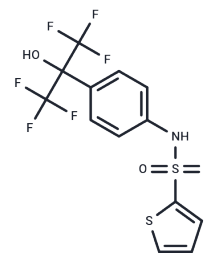


SR3335

Chemical Properties

CAS No. : 293753-05-6
 Formula: C₁₃H₉F₆NO₃S₂
 Molecular Weight: 405.34
 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	SR3335 (ML 176) is a selective inverse agonist of ROR α that competitively inhibits the binding of 25-hydroxycholesterol to the ligand binding domain (K _i : 220 nM).
Targets(IC ₅₀)	ROR

Solubility Information

Solubility	Ethanol: 30 mg/mL (74.01 mM),Sonication is recommended. DMSO: 250 mg/mL (616.77 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 (4.93 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	2.4671 mL	12.3353 mL	24.6706 mL
5 mM	0.4934 mL	2.4671 mL	4.9341 mL
10 mM	0.2467 mL	1.2335 mL	2.4671 mL
50 mM	0.0493 mL	0.2467 mL	0.4934 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

Kumar N, et al. Identification of SR3335 (ML-176): a synthetic ROR α selective inverse agonist. ACS Chem Biol. 2011 Mar 18;6(3):218-22.

Sadeghi H, et al. The retinoid-related orphan receptor alpha is essential for the end-stage effector phase of experimental epidermolysis bullosa acquisita. J Pathol. 2015 Sep;237(1):111-22.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481