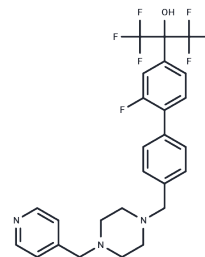


SR2211

## Chemical Properties

CAS No. : 1359164-11-6  
 Formula: C<sub>26</sub>H<sub>24</sub>F<sub>7</sub>N<sub>3</sub>O  
 Molecular Weight: 527.48  
 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	SR2211 is a specific modulator and an inverse agonist of ROR $\gamma$ (IC <sub>50</sub> = 320 nM, K <sub>i</sub> = 105 nM).
Targets(IC <sub>50</sub> )	ROR
In vitro	In EL-4 cells, SR2211 inhibits the expression of IL-23 receptor and IL-17 intracellular staining[1].

## Solubility Information

Solubility	DMSO: 90 mg/mL (170.62 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (6.26 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	1.8958 mL	9.479 mL	18.9581 mL
5 mM	0.3792 mL	1.8958 mL	3.7916 mL
10 mM	0.1896 mL	0.9479 mL	1.8958 mL
50 mM	0.0379 mL	0.1896 mL	0.3792 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 SR2211: a potent synthetic ROR $\gamma$ -selective modulator. ACS Chem Biol. 2012 Apr 20; 7(4):672-7.

Song Y, et al. Identification of N-phenyl-2-(N-phenylphenylsulfonamido)acetamides as new ROR $\gamma$  inverse agonists: Virtual screening, structure-based optimization, and biological evaluation. Eur J Med Chem. 2016 Jun 30; 116:13-26.

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