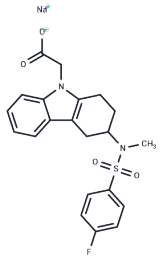
Data Sheet (Cat.No.T7359)

TargetMol

CAY10471 Racemate

Chemical Properties



CAS No. : 844639-57-2

Formula: C21H21FN2O4S

Molecular Weight: 416.47

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	CAY10471 Racemate (TM30089 Racemate) is a potent and highly selective CRTH2/DP2 receptor antagonist. It binds to human CRTH2/DP2, DP1, and TP receptors with Ki values of 0.6, 1200, and >10,000 nM, respectively.
Targets(IC50)	GPCR,Prostaglandin Receptor

Solubility Information

Solubility	DMSO: 150 mg/mL (360.17 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: 4 mg/mL (9.6 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4011 mL	12.0057 mL	24.0113 mL
5 mM	0.4802 mL	2.4011 mL	4.8023 mL
10 mM	0.2401 mL	1.2006 mL	2.4011 mL
50 mM	0.048 mL	0.2401 mL	0.4802 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

Ulven T , Kostenis E . Minor Structural Modifications Convert the Dual TP/CRTH2 Antagonist Ramatroban into a Highly Selective and Potent CRTH2 Antagonist[J]. Journal of Medicinal Chemistry, 2005, 48(4):897-900.

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