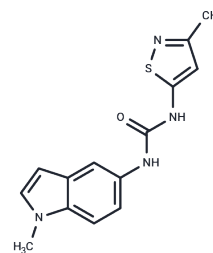


SB 204741

Chemical Properties

CAS No. : 152239-46-8
 Formula: C₁₄H₁₄N₄O₅
 Molecular Weight: 286.35
 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	SB 204741 is a selective 5-HT _{2B} antagonist with high affinity and pK _i value of 7.1.
Targets(IC ₅₀)	5-HT Receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (174.61 mM),Sonication is recommended. Ethanol: < 5.73 mg/mL,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 (6.98 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	3.4922 mL	17.4611 mL	34.9223 mL
5 mM	0.6984 mL	3.4922 mL	6.9845 mL
10 mM	0.3492 mL	1.7461 mL	3.4922 mL
50 mM	0.0698 mL	0.3492 mL	0.6984 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

Ozdemir E, Demirkazik A, Taskiran AS, Arslan G. Effects of 5-HT1 and 5-HT 2 Receptor Agonists on Electromagnetic Field-Induced Analgesia in Rats. Bioelectromagnetics. 2019 Jul;40(5):319-330.

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