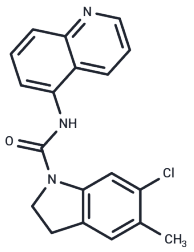
Data Sheet (Cat.No.T28680)

TargetMol

SB-215505

Chemical Properties



CAS No. : 162100-15-4

Formula: C19H16ClN3O

Molecular Weight: 337.8

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-215505 is a subtype-selective 5-HT2B receptor antagonist that inhibits 5-HT2B, 5-HT2A, and 5-HT2C.SB-215505 can be used to study prostate cancer.
Targets(IC50)	5-HT Receptor
In vivo	In male Sprague-Dawley rats weighing 230-260 g, SB-215505 (0.1, 0.3, and 1.0 mg/kg; intraperitoneal injection; two doses) dose-dependently increased wakefulness (W) and decreased intermediate stage of sleep (IS), paradoxical sleep (PS), and slow-wave sleep stage 2 (SWS-2)[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9603 mL	14.8017 mL	29.6033 mL
5 mM	0.5921 mL	2.9603 mL	5.9207 mL
10 mM	0.296 mL	1.4802 mL	2.9603 mL
50 mM	0.0592 mL	0.296 mL	0.5921 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

C Reavill, et al. Attenuation of haloperidol-induced catalepsy by a 5-HT2C receptor antagonist. Br J Pharmacol. 1999 Feb;126(3):572-4.

Sandor Kantor, et al. Increased wakefulness, motor activity and decreased theta activity after blockade of the 5-HT2B receptor by the subtype-selective antagonist SB-215505. J Pharmacol. 2004 Aug;142(8):1332-42.

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