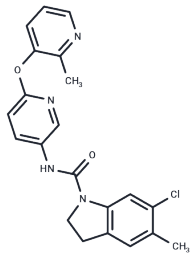
Data Sheet (Cat.No.T7277)

SB 242084

Chemical Properties



CAS No. : 181632-25-7

Formula: C21H19ClN4O2

Molecular Weight: 394.85

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 242084 is a psychoactive drug and research chemical which acts as a selective antagonist for the 5HT2C receptor.
Targets(IC50)	5-HT Receptor

Solubility Information

Solubility	DMSO: 44 mg/mL (111.43 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 (5.07 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	2.5326 mL	12.663 mL	25.3261 mL
5 mM	0.5065 mL	2.5326 mL	5.0652 mL
10 mM	0.2533 mL	1.2663 mL	2.5326 mL
50 mM	0.0507 mL	0.2533 mL	0.5065 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

Bromidge S M , Duckworth M , Forbes I T , et al. 6-Chloro-5-methyl-1-[[2-[(2-methyl-3- pyridyl)oxy]-5-pyridyl] carbamoyl]indoline (SB-242084):? The First Selective and Brain Penetrant 5-HT\r, 2C\r, Receptor Antagonist[J]. Journal of Medicinal Chemistry, 1997, 40(22):3494-3496.

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Serotonin 1B and 2C receptor interactions in the modulation of feeding behaviour in the mouse.

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