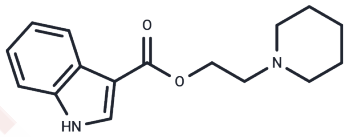
Data Sheet (Cat.No.T212733)

TargetMol

SB 203186

Chemical Properties



CAS No. : 135938-17-9

Formula: C16H20N2O2

Molecular Weight: 272.34

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 203186 is an exceptionally potent and highly selective indole-based 5-HT4 receptor antagonist (Ki = 0.2 nM). It completely blocks 5-HT4-mediated depolarization and cholinergic signal amplification in both central and peripheral neurons at picomolar levels, widely used to investigate the pathogenesis of gastrointestinal smooth muscle motility disorders and arrhythmias.
Targets(IC50)	5-HT Receptor
In vitro	SB 203186 is a competitive 5-HT4 antagonist that shifts dose-response curves in piglet atrial tissues [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6719 mL	18.3594 mL	36.7188 mL
5 mM	0.7344 mL	3.6719 mL	7.3438 mL
10 mM	0.3672 mL	1.8359 mL	3.6719 mL
50 mM	0.0734 mL	0.3672 mL	0.7344 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

Wilson Lim, et al. Addressing the most neglected diseases through an open research model: The discovery of fenarimols as novel drug candidates for eumycetoma. PLoS Negl Trop Dis. 2018 Apr 26;12(4):e0006437.

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