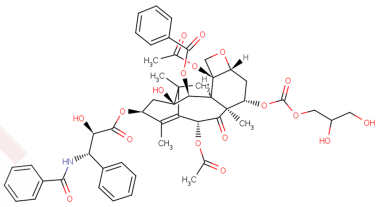
Data Sheet (Cat.No.T70120)

TargetMol

RS-102221

Chemical Properties



CAS No. : 185376-97-0

Formula: C27H31F3N4O7S

Molecular Weight: 612.62

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	RS-102221 is a highly potent and selective 5-HT2C receptor antagonist (pKi = 8.4). It exhibits >100-fold selectivity over 2A and 2B subtypes, used for studying appetite regulation and mood disorders.
Targets(IC50)	5-HT Receptor
In vitro	RS-102221 (0.3-300 nM) promotes differentiation of neural progenitors and increases MAP-2 positive cells [1].
In vivo	RS-102221 (2 mg/kg) increases food intake in rats and inhibits MDMA-induced abnormal behaviors [4].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6323 mL	8.1617 mL	16.3233 mL
5 mM	0.3265 mL	1.6323 mL	3.2647 mL
10 mM	0.1632 mL	0.8162 mL	1.6323 mL
50 mM	0.0326 mL	0.1632 mL	0.3265 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

Benny J. Evison, et al. A small molecule inhibitor of PCSK9 that antagonizes LDL receptor binding via interaction with a cryptic PCSK9 binding groove.Bioorganic & Medicinal Chemistry

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