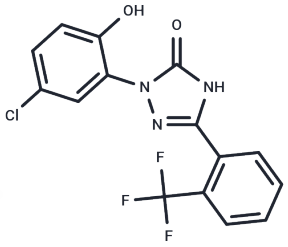
Data Sheet (Cat.No.T30503)

TargetMol

BMS-195270

Chemical Properties



CAS No. : 202822-23-9

Formula: C15H9ClF3N3O2

Molecular Weight: 355.7

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	BMS-195270 is a tissue-specific inhibitor of bladder muscle tone and spontaneous contraction in rats. It can inhibit Carbachol-induced tone and inhibit calcium flux in isolated rat bladder tissue strips in an isolated bladder model.
Targets(IC50)	Others,Calcium Channel
In vitro	BMS-195270 inhibited the response of HEK293 cells to the muscarinic agonist carbachol (the EC50 was 2 μM)[1].

Solubility Information

Solubility	DMSO: 100 mg/mL (281.14 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8114 mL	14.0568 mL	28.1136 mL
5 mM	0.5623 mL	2.8114 mL	5.6227 mL
10 mM	0.2811 mL	1.4057 mL	2.8114 mL
50 mM	0.0562 mL	0.2811 mL	0.5623 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

Fitzgerald K, et al. Chemical genetics reveals an RGS/G-protein role in the action of a compound. PLoS Genet. 2006 Apr;2(4):e57.

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