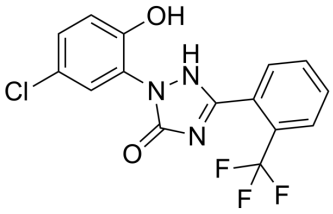
BMS-195270

Cat. No.:	HY-120620		
CAS No.:	202822-23-9		
Molecular Formula:	$C_{15}H_9ClF_3N_3O_2$		
Molecular Weight:	355.7		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (351.42 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

BMS-195270 is a small molecule that inhibits Carbachol (HY-B1208)-evoked tonicity of isolated rat bladder strips. BMS-195270 inhibits calcium flux[1].

In Vitro

BMS-195270 (3 μM) produces a dramatic reduction in developed pressure at infusion volumes of 0.2-1.3 mL and inhibits spontaneous contractions in an ex vivo rat whole bladder model[1].

BMS-195270 (2.8 mM) results adult worms of C. elegans displaying an Egl-d phenotype, as well as slowed or arrested pharyngeal pumping (Eat), and uncoordinated motion (Unc)[1].

BMS-195270 inhibits the response of HEK293 cells to the muscarinic agonist Carbachol (HY-B1208) with an EC_{50} of 2 μM[1].

BMS-195270 inhibits calcium flux, and retains inhibitory activity even when endogenous calcium channels are inactivated[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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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