

BMS 193885

Chemical Properties

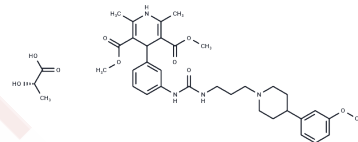
CAS No. : 679839-66-8

Formula: C36H48N4O9

Molecular Weight: 680.79

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 193885 is a selective and competitive neuropeptide Y(1) receptor antagonist with affinity of 3.3 nM.
Targets(IC50)	Neuropeptide Y Receptor
In vitro	BMS 193885 increases the Kd of [(125)I]PeptideYY from 0.35 nM to 0.65 nM without changing the Bmax (0.16 pmol/mg of protein) in SK-N-MC cells that endogenously express the neuropeptide Y(1) receptor[1]. BMS 193885 is a full antagonist with an apparent Kb of 4.5 nM measured by reversal of forskolin-stimulated inhibition of cAMP production by neuropeptide Y[1].
In vivo	BMS 193885 (10 mg/kg; i.p.) reduces one-hour neuropeptide Y-induced food intake in satiated rats, as well as spontaneous overnight food consumption. Chronic administration of BMS 193885 (10 mg/kg) i.p. for 44 days significantly reduces food intake and the rate of body weight gain compared to vehicle treated control without developing tolerance or affecting water intake[1].

Solubility Information

Solubility	H2O: <13.62 mg/mL, Sonication is recommended. DMSO: 63 mg/mL (92.54 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4689 mL	7.3444 mL	14.6888 mL
5 mM	0.2938 mL	1.4689 mL	2.9378 mL
10 mM	0.1469 mL	0.7344 mL	1.4689 mL
50 mM	0.0294 mL	0.1469 mL	0.2938 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

Antal-Zimanyi I, et al. Pharmacological characterization and appetite suppressive properties of BMS-193885, a novel and selective neuropeptide Y(1) receptor antagonist. Eur J Pharmacol. 2008 Aug 20;590(1-3):224-32.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481