

BMS 193885

Chemical Properties

CAS No.:	679839-66-8
Formula:	C33H42N4O6·C3H6O3
Molecular Weight:	680.79
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	BMS-193885 is an effective and selective neuropeptide Y1 receptor antagonist (IC50: 5.9nM).
In vitro	In cellular culture, BMS-193885 displayed functional antagonism of Neuropeptide Y1 in a forskolin-stimulated c-AMP production assay using CHO cells expressing the human Y(1) receptor 1.
In vivo	In vivo, administration of BMS-193885 at a dosage of 10mg/kg leads to 1h neuropeptide Y-induced food intake in rat and the spontaneous overnight food consumption 2. Chronic administration of BMS-193885 (10 mg/kg) i.p. for 44 days significantly reduced food intake and the rate of body weight gain as compared to their control without developing tolerance or affecting water intake 2.

Solubility Information

Solubility	H2O: <13.62mg/ml DMSO: <68.08mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.469 mL	7.344 mL	14.689 mL
5 mM	0.294 mL	1.469 mL	2.938 mL
10 mM	0.147 mL	0.734 mL	1.469 mL
50 mM	0.029 mL	0.147 mL	0.294 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

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