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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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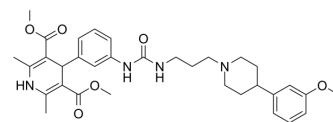
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BMS-193885

Cat. No.:	HY-120619
CAS No.:	186185-03-5
Molecular Formula:	C ₃₃ H ₄₂ N ₄ O ₆
Molecular Weight:	590.71
Target:	Neuropeptide Y Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
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 : 100 mg/mL (169.29 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	1.6929 mL	8.4644 mL	16.9288 mL
		5 mM	0.3386 mL	1.6929 mL	3.3858 mL
		10 mM	0.1693 mL	0.8464 mL	1.6929 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.23 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (4.23 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	BMS-193885 is a potent, selective, competitive, and brain penetrant neuropeptide Y ₁ receptor antagonist with a K _i of 3.3 nM, and has an IC ₅₀ of 5.9 nM for hY ₁ , which displays > 100, > 160, > 160 and > 160-fold selectivity over α ₁ , hY ₂ , hY ₄ and hY ₅ receptors, respectively [1] [2].
IC ₅₀ & Target	Ki: 3.3 nM (Neuropeptide Y ₁ receptor) ^[1] IC ₅₀ : 5.9 nM (hY ₁) ^[1]

REFERENCES

[1]. 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.

[2]. Poindexter GS, et al. Dihydropyridine neuropeptide YY(1) receptor antagonists. Bioorg Med Chem Lett. 2002 Feb 11;12(3):379-82.

Caution: Product has not been fully validated for medical applications. For research use only.

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