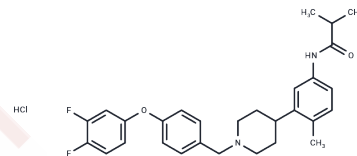


SNAP 94847 hydrochloride

Chemical Properties

CAS No. :	1781934-47-1
Formula:	C ₂₉ H ₃₃ ClF ₂ N ₂ O ₂
Molecular Weight:	515.03
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	SNAP 94847 hydrochloride is a melanin-concentrating hormone receptor1 (MCHR1) antagonist (K _i = 2.2 nM)
Targets(IC50)	Melanin-concentrating Hormone Receptor (MCHR), GPCR

Solubility Information

Solubility	DMSO: 250 mg/mL (485.41 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (9.71 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9416 mL	9.7082 mL	19.4163 mL
5 mM	0.3883 mL	1.9416 mL	3.8833 mL
10 mM	0.1942 mL	0.9708 mL	1.9416 mL
50 mM	0.0388 mL	0.1942 mL	0.3883 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

Nair S G , Adams-Deutsch T , Pickens C L , et al. Effects of the MCH1 receptor antagonist SNAP 94847 on high-fat food-reinforced operant responding and reinstatement of food seeking in rats[J]. Psychopharmacology, 2009, 205 (1):p.129-140.

David D J , Klemenhagen K C , Holick K A , et al. Efficacy of the MCHR1 antagonist N-[3-(1-[[4-(3,4-difluorophenoxy) phenyl]methyl(4-piperidyl))-4-methylphenyl]-2-methylpropanamide (SNAP 94847) in mouse models of anxiety and depression following acute and chronic administration is independent of hippocampal neurogenesis[J]. The Journal of pharmacology and experimental therapeutics, 2007, 321(1):237.

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