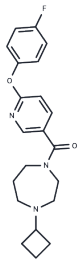
Data Sheet (Cat.No.T27678)

TargetMol

JNJ-39220675

Chemical Properties



CAS No. : 959740-39-7

Formula: C21H24FN3O2

Molecular Weight: 369.43

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	JNJ-39220675 (JNJ 39220675) is a selective and brain permeable histamine H3 receptor antagonist.
Targets(IC50)	Histamine Receptor
In vivo	After establishing a reliable baseline of alcohol and water intake, systemic (subcutaneous) administration of three doses of JNJ 39220675 (0.3, 3, and 10 mg/kg) to rats in the morning (10:00 AM) significantly and dose-dependently reduced alcohol self-administration without altering saccharin self-administration in alcohol-independent rats.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7069 mL	13.5344 mL	27.0687 mL
5 mM	0.5414 mL	2.7069 mL	5.4137 mL
10 mM	0.2707 mL	1.3534 mL	2.7069 mL
50 mM	0.0541 mL	0.2707 mL	0.5414 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

Nuutinen S, et al. Different Hypothalamic Nicotinic α7 Receptor Expression and Response to Low Nicotine Dose in Alcohol-Preferring and Alcohol-Avoiding Rats. Alcohol Clin Exp Res. 2016 Feb;40(2):329-34.
Vanhanen J, et al.Histamine H3 receptor antagonist JNJ-39220675 modulates locomotor responses but not place conditioning by dopaminergic drugs. Psychopharmacology (Berl). 2015 Mar;232(6):1143-53.
Barchuk WT, et al. A proof-of-concept study of the effect of a novel H3-receptor antagonist in allergen-induced nasal congestion. J Allergy Clin Immunol. 2013 Oct;132(4):838-46.e1-6.
Vanhanen J,et al. Histamine is required for H_3 receptor-mediated alcohol reward inhibition, but not for alcohol consumption or stimulation. Br J Pharmacol. 2013 Sep;170(1):177-87.
Galici R,et al. JNJ-39220675, a novel selective histamine H3 receptor antagonist, reduces the abuse-related effects of alcohol in rats. Psychopharmacology (Berl). 2011 Apr;214(4):829-41.[5]

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