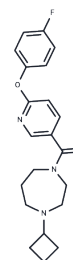


JNJ-39220675

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 959740-39-7 |
| Formula: | C ₂₁ H ₂₄ FN ₃ O ₂ |
| 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

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- 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.
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