# Data Sheet (Cat.No.T22879)

TargetMol

## JNJ 10191584 maleate

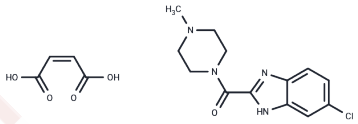
### Chemical Properties

CAS No. : 869497-75-6

Formula: C17H19ClN4O5

Molecular Weight: 394.81

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 | JNJ 10191584 maleate (VUF6002 maleate) is an orally active and selective antagonist of H4 receptor (Ki = 26 nM). JNJ 10191584 maleate inhibits chemotaxis of eosinophils and mast cells (IC50 = 530 nM and 138 nM). |
| Targets(IC50) | Histamine Receptor |
| In vitro | JNJ 10191584 maleate shows 540-fold selectivity to H4 receptor(Ki = 14.1 μM)[2]. |
| In vivo | In spared nerve injury mice, JNJ 10191584 maleate (10 μg/μL; intra locus coeruleus administration) abolishes VUF-induced anti-allodynic effect and prevents the anti-allodynic effect of VUF 8430. JNJ 10191584 maleate (6 μg/mouse; intrathecal administration) prevents VUF 8430-induced anti-allodynic effect[2]. |

### Solubility Information

| | |
|---|---|
| Solubility | DMSO: 18 mg/mL (45.59 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.5329 mL | 12.6643 mL | 25.3286 mL |
| 5 mM | 0.5066 mL | 2.5329 mL | 5.0657 mL |
| 10 mM | 0.2533 mL | 1.2664 mL | 2.5329 mL |
| 50 mM | 0.0507 mL | 0.2533 mL | 0.5066 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

Sanna MD, et al. Histamine H4 receptor stimulation in the locus coeruleus attenuates neuropathic pain by promoting the coeruleospinal noradrenergic inhibitory pathway. Eur J Pharmacol. 2020 Feb 5;868:172859.
Venable JD, et al. Preparation and biological evaluation of indole, benzimidazole, and thienopyrrole piperazine carboxamides: potent human histamine h(4) antagonists. J Med Chem. 2005 Dec 29;48(26):8289-98.



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