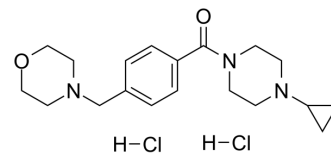


Bavisant dihydrochloride

Cat. No.:	HY-14880A
CAS No.:	929622-09-3
Molecular Formula:	C ₁₉ H ₂₉ Cl ₂ N ₃ O ₂
Molecular Weight:	402.36
Target:	Histamine Receptor
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Bavisant (JNJ-31001074) dihydrochloride is an orally active, potent, brain-penetrating and highly selective antagonist of the histamine H ₃ receptor. Bavisant dihydrochloride can be used for attention-deficit hyperactivity disorder (ADHD) research ^[1] [2][3].
IC₅₀ & Target	H ₃ receptor
In Vivo	Bavisant dihydrochloride increases acetylcholine levels in rat frontal cortex ^[4] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Ghoshal A, et al. Identification of novel β-lactams and pyrrolidinone derivatives as selective Histamine-3 receptor (H3R) modulators as possible anti-obesity agents. *Eur J Med Chem.* 2018 May 25;152:148-159.
- [2]. Ghamari N, et al. Histamine H3 receptor antagonists/inverse agonists: Where do they go? *Pharmacol Ther.* 2019 Aug;200:69-84.
- [3]. Hudkins RL, et al. Discovery and characterization of 6-{4-[3-(R)-2-methylpyrrolidin-1-yl]propoxy}phenyl)-2H-pyridazin-3-one (CEP-26401, irdabisant): a potent, selective histamine H3 receptor inverse agonist. *J Med Chem.* 2011 Jul 14;54(13):4781-92.
- [4]. Weisler RH, et al. Randomized clinical study of a histamine H3 receptor antagonist for the treatment of adults with attention-deficit hyperactivity disorder. *CNS Drugs.* 2012 May 1;26(5):421-34.

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

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