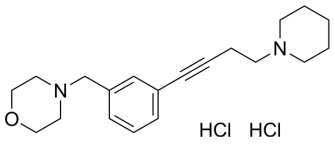
JNJ 10181457 dihydrochloride

Cat. No.:	HY-107562
CAS No.:	544707-20-2
Molecular Formula:	$C_{20}H_{30}Cl_2N_2O$
Molecular Weight:	385.37
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	JNJ-10181457 is a neutral, potent, brain-penetrant and selective non-imidazole H_3 antagonist which increases NE and ACh concentrations in rat frontal cortex. JNJ-10181457 can be used for neurological research[1].
IC_{50} & Target	H_3 Receptor
In Vivo	JNJ-10181457 (10 mg/kg, i.p., 60 min) reverses Imetit (HY-101173, 3 mg/kg, s.c.)-induced water licking in rats and Scopolamine (HY-N0296, 0.06 mg/kg, i.p.)-induced increasing of incorrect responding in DNMTP task[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Galici R, et al. JNJ-10181457, a selective non-imidazole histamine H(3) receptor antagonist, normalizes acetylcholine neurotransmission and has efficacy in translational rat models of cognition. Neuropharmacology. 2009 Jun;56(8):1131-7.

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