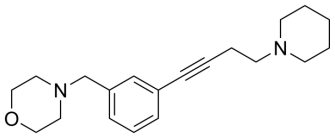
JNJ-10181457

Cat. No.:	HY-107562A
CAS No.:	544707-19-9
Molecular Formula:	$C_{20}H_{28}N_2O$
Molecular Weight:	312.45
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 selective non-imidazole histamine H3 receptor antagonist that normalizes acetylcholine neurotransmission[1]. JNJ-10181457 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.
In Vivo	JNJ 10181457 (1 mg/kg, i.v.) can completely block the inhibition of the vagally induced bradycardic responses produced by histamine (50 μg/kg) or methimepip (50 μg/kg) compared with saline control in male Wistar rats[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mónica García, et al. Pharmacological Evidence that Histamine H3 Receptors Mediate Histamine-Induced Inhibition of the Vagal Bradycardic Out-flow in Pithed Rats. Basic Clin Pharmacol Toxicol. 2016 Feb;118(2):113-21.

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