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Data Sheet

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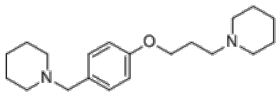
Product Name	:	JNJ-5207852
Cat. No.	:	PC-35408
CAS No.	:	98473-34-2
Molecular Formula	:	$C_{20}H_{32}N_2O$
Molecular Weight	:	316.489
Target	:	Histamine Receptor
Solubility	:	10 mM in DMSO



Biological Activity

JNJ-5207852 (JNJ5207852) is a potent, selective antagonist of **H3 receptor** with pKi of 8.9 and 9.24 for rat and human H3, respectively.
JNJ-5207852 does not bind to human H1, H2 or H4 histamine receptors (pKi <5), as well as 50 GPCRs, ion channels and other drug targets.
JNJ-5207852 increases time spent awake and decreases REM sleep and slow-wave sleep in mice and rats (1-10 mg kg(-1) s.c.), ameliorates PTZ kindling-induced learning and mnemonic deficits in weanling mice.

References

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Barbier AJ, et al. ***Br J Pharmacol***. 2004 Nov;143(5):649-61.

Jia F, et al. ***Neuropharmacology***. 2006 Mar;50(4):404-11.

Abuhamdah RM, et al. ***Front Syst Neurosci***. 2012 Jul 16;6:54.

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