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Data Sheet

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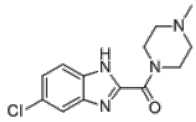
Product Name	:	JNJ-10191584
Cat. No.	:	PC-20926
CAS No.	:	73903-17-0
Molecular Formula	:	$C_{13}H_{15}ClN_4O$
Molecular Weight	:	278.74
Target	:	Histamine Receptor
Solubility	:	10 mM in DMSO



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Biological Activity

JNJ-10191584 (VUF6002) is a potent, highly selective, orally active histamine H(4) receptor antagonist with binding Ki of 26 nM, 540-fold selectivity to H4 receptor over H3 receptor.
JNJ-10191584 (VUF6002) shows inhibitory effects to chemotaxis of eosinophils and mast cells with IC50 values of 530 nM and 138 nM, respectively.
JNJ 10191584 (10-100 mg/kg p.o., b.i.d.) caused a dose-dependent reduction in macroscopic damage, inhibition of the TNBS-provoked elevation of both colonic myeloperoxidase and tumour necrosis factor-alpha (TNF-alpha), and a reduction in the histologically assessed increase in mucosal and submucosal thickness and neutrophil infiltration.

References

Varga C, et al. Eur J Pharmacol. 2005 Oct 17;522(1-3):130-8.

Venable JD, et al. J Med Chem. 2005 Dec 29;48(26):8289-98.

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