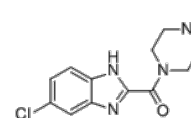


Product Name : JNJ 10191584
Cat. No. : PC-20926
CAS No. : 73903-17-0
Molecular Formula : C₁₃H₁₅ClN₄O
Molecular Weight : 278.74
Target : Histamine Receptor
Solubility : 10 mM in DMSO



CAS: 73903-17-0

Biological Activity

JNJ 10191584 (VUF6002) is a potent, highly selective, orally active **histamine H(4) receptor** antagonist with binding K_i 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.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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