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DATASHEET

JNJ 10191584 maleate

Product overview

Name	JNJ 10191584 maleate
Cat No	HB1596
Alternative names	VUF 6002
Biological action	Antagonist
Purity	>99%
Description	Potent, selective H_4 receptor silent antagonist

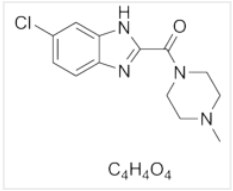
Biological Data

Biological description	Potent and selective H_4 histamine receptor silent antagonist. Selective for human H_4 over H_3 by >540-fold (K_i values are 26 nM and 14.1 µM respectively). Inhibits chemotaxis of mast cells and eosinophils in vitro. Shows anti-inflammatory and antinociceptive actions.

Solubility & Handling

Storage instructions	room temperature (desiccate)
Solubility overview	Soluble in DMSO (50mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	1-[(5-Chloro-1*H*-benzimidazol-2-yl)carbonyl]-4-methylpiperazine maleate
Molecular Weight	394.81
Chemical structure	
Molecular Formula	$C_{13}H_{15}ClN_4O.C_4H_4O_4$
CAS Number	869497-75-6
PubChem identifier	11718163
SMILES	O=C(O)/C=C\C(O)=O.ClC(C=C3)=CC2=C3N=C(N2)C(N1CCN(C)CC1)=O
InChiKey	KOTJFAYEELTYCZ-BTJKTKAUSA-N

References

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Terzioglu N *et al* (2004) Bioorg Med Chem Lett 14(21)

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Inhibitory effects of histamine H4 receptor antagonists on experimental colitis in the rat.

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Preparation and biological evaluation of indole, benzimidazole, and thienopyrrole piperazine carboxamides: potent human histamine h(4) antagonists.

Venable JD *et al* (2005) J Med Chem 48(26)
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Antiinflammatory and antinociceptive effects of the selective histamine H4-receptor antagonists JNJ7777120 and VUF6002 in a rat model of carrageenan-induced acute inflammation.

Coruzzi G *et al* (2007) Eur J Pharmacol 563(1-3)
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