

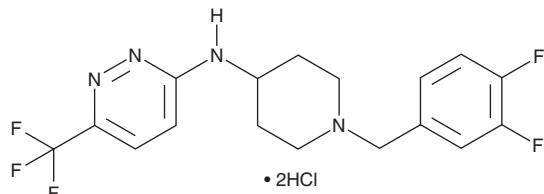
PRODUCT INFORMATION

JNJ-37822681 (hydrochloride)

Item No. 37428

CAS Registry No.: 2108806-02-4

Formal Name: N-[1-[(3,4-difluorophenyl)methyl]-4-piperidinyl]-6-(trifluoromethyl)-3-pyridazinamine, dihydrochloride
 MF: C₁₇H₁₇F₅N₄ • 2HCl
 FW: 445.3
 Purity: ≥98%
 Supplied as: A solid
 Storage: -20°C
 Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

JNJ-37822681 (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the JNJ-37822681 (hydrochloride) in the solvent of choice, which should be purged with an inert gas. JNJ-37822681 (hydrochloride) is soluble in the organic solvent DMSO. JNJ-37822681 (hydrochloride) is also soluble in water. We do not recommend storing the aqueous solution for more than one day.

Description

JNJ-37822681 is a dopamine D_{2L} receptor antagonist (K_i = 0.158 μM).¹ It is selective for dopamine D_{2L} receptors over dopamine D₁ and D₃, α₁-adrenergic, and histamine H₁ receptors, and the serotonin (5-HT) receptor subtypes 5-HT_{2A} and 5-HT_{2C} in radioligand binding assays (K_is = >3, 1.159, >5, 4.931, 2.896, and >4 μM, respectively). JNJ-37822681 inhibits apomorphine-induced stereotypy and D-amphetamine-induced hyperlocomotion in rat models of psychosis (ED₅₀s = 0.19 and 1 mg/kg, respectively).

Reference

1. Langlois, X., Megens, A., Lavreysen, H., et al. Pharmacology of JNJ-37822681, a specific and fast-dissociating D₂ antagonist for the treatment of schizophrenia. *J. Pharmacol. Exp. Ther.* **342**(1), 91-105 (2012).

WARNING
 THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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