

Product Data Sheet

Product Name: JNJ-37822681 dihydrochloride

Cat. No.: GC36370

Chemical Properties

Cas. No. 2108806-02-4

SMILES FC(C1=NN=C(NC2CCN(CC3=CC=C(F)C(F)=C3)CC2)C=C1)(F)F.Cl.Cl

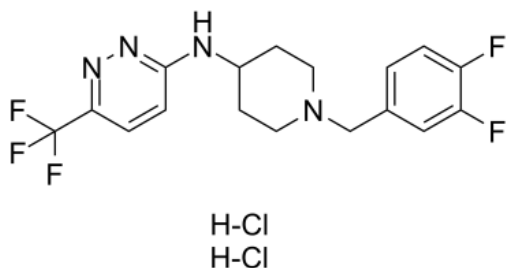
Formula $C_{17}H_{19}Cl_2F_5N_4$ M.Wt 445.26

Solubility DMSO : 33.33 mg/mL (74.86 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

JNJ-37822681 dihydrochloride is a potent, specific, centrally active, fast-dissociating dopamine D2 receptor antagonist with a moderate binding affinity for the dopamine D2L receptor ($K_i = 158$ nM), which has potential for the treatment of schizophrenia and bipolar disorder[1]. K_i : 158 nM (dopamine D(2))[1]

[1]. Langlois X, et al. Pharmacology of JNJ-37822681, a specific and fast-dissociating D2 antagonist

Caution: Product has not been fully validated for medical applications. For research use only.

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for the treatment of schizophrenia. J Pharmacol Exp Ther. 2012 Jul;342(1):91-105.

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