

Product Data Sheet

Product Name: JNJ-42253432

Cat. No.: GC64822

Chemical Properties

Cas. No. 1428327-35-8

Formula C₂₈H₃₈N₄O

M.Wt 446.63

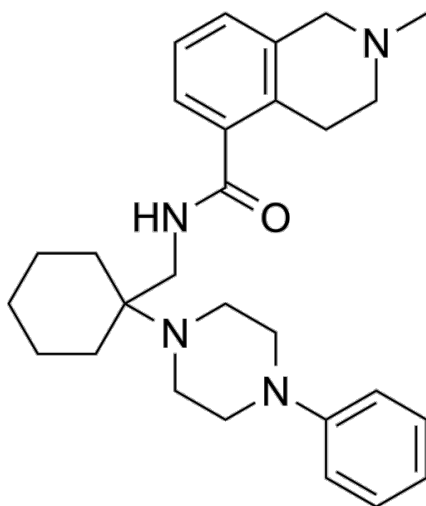
Solubility

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-42253432 is a CNS-penetrant, high-affinity and orally active P2X₇ antagonist, with pK_i values of 9.1 and 7.9 for rat and human P2X₇ channels, respectively[1].

When dosed in rats, JNJ-42253432 occupied the brain P2X₇ channel with an ED₅₀ of 0.3 mg/kg, corresponding to a mean plasma concentration of 42 ng/ml. JNJ-42253432 also increased serotonin levels in the rat brain, which is due to antagonism of the serotonin transporter (SERT) resulting in an ED₅₀ of 10 mg/kg for SERT occupancy[1].

[1]. Brian Lord, et al. Pharmacology of a novel central nervous system-penetrant P2X₇ antagonist

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

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JNJ-42253432. J Pharmacol Exp Ther. 2014 Dec;351(3):628-41.

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