

Product Data Sheet

Product Name: JNJ-61432059

Cat. No.: GC34638

Chemical Properties

Cas. No. 2035814-50-5

SMILES OC1CCN(C2=NC=CC3=C(C4=CC=C(NC(C5)=O)C5=C4)C(C6=CC=C(F)C=C6)=NN32)CC1

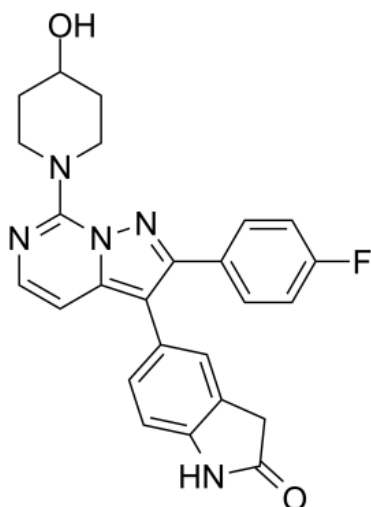
Formula $C_{25}H_{22}FN_5O_2$ M.Wt 443.47

Solubility DMSO: 50 mg/mL (112.75 mM) 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-61432059 is an oral active and selective negative modulator of AMPAR associated with trans-membrane AMPAR regulatory protein (TARP) γ -8, with a pIC₅₀ of 9.7 for GluA1/ γ -8. Exhibits time- and dose-dependent AMPAR/ γ -8 receptor occupancy in mouse hippocampus, resulting in robust seizure protection in corneal kindling and pentylenetetrazole (PTZ) anticonvulsant models[1]. pIC₅₀: 9.7 (AMPA)[1].

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

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[1]. Savall BM, et al. Discovery of Imidazo[1,2-a]pyrazines and Pyrazolo[1,5-c]pyrimidines as TARP γ -8 Selective AMPAR Negative Modulators. ACS Med Chem Lett. 2018 Dec 26;10(3):267-272.

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