

Product Name : JNJ-42165279

Synonyms : JNJ42165279; JNJ 42165279

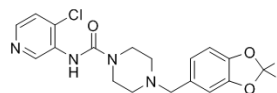
Cat No. : M11398

CAS Number : 1346528-50-4

Molecular Formula : C₁₈H₁₇ClF₂N₄O₃

Formula Weight : 410.80

Chemical Name : 1-Piperazinecarboxamide, N-(4-chloro-3-pyridinyl)-4-[(2,2-difluoro-1,3-benzodioxol-5-yl)methyl]-



Description : JNJ-42165279 is a highly selective inhibitor of fatty acid amide hydrolase (FAAH) with IC₅₀ of 70 nM for hFAAH; no inhibition on CYPs and hERG at 10 μM; blocks FAAH in the brain and periphery of rats, causes an elevation of the concentrations of AEA, OEA, and PEA; demonstrates activity in the spinal nerve ligation (SNL) model of neuropathic pain; exhibited excellent ADME and pharmacodynamic properties. Anxiety Phase 2 Clinical

Pathway : Metabolic Enzyme/Protease

Target : FAAH

Receptor : hFAAH; rFAAH

Solubility : 10 mM in DMSO

SMILES : C1CN(CCN1CC2=CC3=C(C=C2)OC(O3)(F)F)C(=O)NC4=C(C=CN=C4)Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Keith JM, et al. ACS Med Chem Lett. 2015 Nov 2;6(12):1204-8.