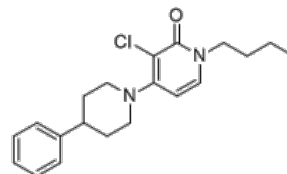


Product Name : JNJ-40411813
Synonyms : JNJ40411813;ADX 71149
Cat No. : M10446
CAS Number : 1127498-03-6
Molecular Formula : C₂₀H₂₅ClN₂O
Formula Weight : 344.88
Chemical Name : 1-butyl-3-chloro-4-(4-phenyl-1-piperidiny)-(1H)-pyridone



Description : A novel potent positive allosteric modulator of mGlu2 with EC₅₀ of 147 nM; displays >30-fold selectivity over mGlu1 and mGlu3-8, 10-fold over 5-HT_{2A}; displays an optimal interplay between potency, selectivity, favorable ADMET/PK and cardiovascular safety profile, and central EEG activity; has been investigated in the clinic for schizophrenia and anxious depression disorders. Epilepsy Phase 2 Clinical

Pathway : GPCR/G Protein

Target : mGluR

Receptor : mGluR

Solubility : DMSO : 25 mg/mL 72.49 mM

SMILES : ClC1=C(N2CCC(C3=CC=CC=C3)CC2)C=CN(CCCC)C1=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Cid JM, et al. J Med Chem. 2014 Aug 14;57(15):6495-512. | 2. Ahnaou A, et al. Neuropharmacology. 2016 Apr;103:290-305. | 3. Lavreysen H, et al. Pharmacol Res Perspect. 2015 Mar;3(2):e00097. | 4. Kent JM, et al. Prog Neuropsychopharmacol Biol Psychiatry. 2016 Jun 3;67:66-73.