

Product Name : Rislenemdaz

Synonyms : MK-0657;CERC-301;MK 0657;MK0657;CERC 301;CERC301

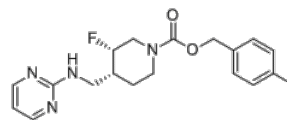
Cat No. : M16023

CAS Number : 808732-98-1

Molecular Formula : C₁₉H₂₃FN₄O₂

Formula Weight : 358.42

Chemical Name : —



Description : A potent, orally bioavailable brain - penetrant, NR2B-selective NMDA receptor (GluN2B) antagonist with K_i and IC₅₀ of 8.1 nM and 3.6 nM respectively, with no off-target activity; inhibits calcium influx into agonist - stimulated NMDA - GluN1a/GluN2B L(tk -) cells with IC₅₀ of 3.6 nM, with no effect on GluN2A up to 30 uM; significantly decreases immobility frequency and increases swimming behavior in acute depression models. Depression Phase 1 Clinical

Pathway : Membrane Transporter/Ion Channel

Target : iGluR

Receptor : iGluR

Solubility : DMSO : 150 mg/mL 418.52 mM

SMILES : CC1=CC=C(C=C1)COC(=O)N2CCC(C(C2)F)CNC3=NC=CC=N3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Addy C, et al. J Clin Pharmacol. 2009 Jul;49(7):856-64.| 2. Ibrahim L, et al. J Clin Psychopharmacol. 2012 Aug;32(4):551-7.| 3. Camer R, et al. Pharmacol Res Perspect. 2015 Dec 23;3(6):e00198.