
CERC-501

产品编号: D51174

CAS: 1174130-61-0

分子式: C₂₆H₂₇FN₂O₂

纯度: ≥98%

InChi: InChI=1S/C₂₆H₂₇FN₂O₂/c1-17-12-18(2)14-21(13-17)24-4-3-11-29(24)16-19-5-8-22(9-6-19)31-25-10-7-20(26(28)30)15-23(25)27/h5-10,12-15,24H,3-4,11,16H₂,1-2H₃, (H₂,28,30)/t24-/m0/s1

InChi Key: ZHPMYDSXGRRERG-DEOSSOPVSA-N

Smiles: CC1=CC(=CC(C)=C1)[C@@H]1CCCN1CC1C=CC(=CC=1)OC1C=CC(=CC=1F)C(N)=O

外观: 固体粉末

作用通路: Opioid Receptor

溶解性: Soluble in DMSO

保存条件: Store in dry, dark place for one year.

产品介绍: CERC-501, also known as JNJ-67953964, LY-2456302 and Aticaprant, is a potent, selective, short-acting antagonist of the κ-opioid receptor (KOR) (K_i = 0.81 nM vs. 24.0 nM and 155 nM for the μ-opioid receptor (MOR) and δ-opioid receptor (DOR). Aticaprant is under development for the treatment of major depressive disorder and substance use disorders including alcoholism, nicotine addiction, and illicit drug dependence. Aticaprant has been found to dose-dependently block fentanyl-induced miosis at 25 mg and 60 mg in humans (with minimal to no blockade at doses of 4 to 10 mg), indicating that the drug significantly occupies and antagonizes the MOR at a dose of at least 25 mg but not of 10 mg or less.