
JHU 37160

产品编号: D51685

CAS: 2369979-68-8

分子式: C₁₉H₂₀ClFN₄

纯度: ≥98%

InChi: InChI=1S/C₁₉H₂₀ClFN₄/c1-2-24-8-10-25(11-9-24)19-14-4-3-5-15(21)18(14)22-16-7-6-13(20)12-17(16)23-19/h3-7,12,22H,2,8-11H₂,1H₃

InChi Key: SWSCWOSASZXIRK-UHFFFAOYSA-N

Smiles: CCN1CCN(CC1)C1=NC2=CC(Cl)=CC=C2NC2=C(F)C=CC=C21

外观: 固体粉末

作用通路: mAChR

溶解性: Soluble in DMSO

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

产品介绍: JHU 37160 is a high affinity and highly potent activator of hM3Dq and hM4Di DREADDs. It displays approximately 25-fold higher affinity for hM4Di compared to DREADD agonist 21. It selectively displaces [³H]clozapine from DREADDs in vivo, but not from other clozapine binding sites. JHU 37160 inhibits locomotor activity in mice expressing hM3Dq and hM4Di in D1-expressing neurons, and increases hM3Dq-stimulated locomotion in rats expressing hM3Dq in TH-expressing neurons. It is a brain penetrant in mice, rats and non-human primates.