
Deschloroclozapine

产品编号: D51691

CAS: 1977-07-7

分子式: C₁₈H₂₀N₄

纯度: ≥98%

InChi: InChi=1S/C₁₈H₂₀N₄/c1-21-10-12-22(13-11-21)18-14-6-2-3-7-15(14)19-16-8-4-5-9-17(16)20-18
/h2-9,19H,10-13H₂,1H₃

InChi Key: VQHITFFJBFOMBG-UHFFFAOYSA-N

Smiles: CN1CCN(CC1)C1=NC2C=CC=CC=2NC2C=CC=CC=21

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: Deschloroclozapine is a high affinity and highly potent activator of muscarinic DREADDs. It is a derivative of clozapine, and exhibits 100-fold greater affinity for hM3Dq and hM4Di compared to clozapine N-oxide, and 50-fold greater affinity compared to DREADD agonist 21. Deschloroclozapine displays low 'off-target' receptor binding and rapid binding and activation of hM3Dq and hM4Di in mice and non-human primates. It also induces spatial memory deficits in non-human primates expressing hM4Di in the prefrontal cortex.