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GPR39-C3

产品编号: D50872

CAS: 1621175-65-2

分子式: C18H19ClN6O2S

纯度: ≥98%

InChi: InChI=1S/C18H19ClN6O2S/c1-20-18-23-16(15-5-3-4-8-21-15)10-17(24-18)22-11-12-6-7-13(9-14(12)19)25-28(2,26)27/h3-10,25H,11H2,1-2H3,(H2,20,22,23,24)

InChi Key: DRSZMILOMUPIBJ-UHFFFAOYSA-N

Smiles: CNC1=NC(=CC(NCC2C=CC(=CC=2Cl)NS(C)(=O)=O)=N1)C1C=CC=CN=1

外观: 固体粉末

作用通路: GHSR

溶解性: DMSO up to 100 mM

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

产品介绍: GPR39-C3 is the first potent, selective and orally bioavailable GPR39 agonist with an EC50 ~0.8 nM for human GPR39 and ~0.4 nM for rodent GPR39. It has no inhibitory effects (at 10 μM) on a panel of kinases and exhibits no relevant binding affinity for the related ghrelin and neurotensin-1 receptors and other enzymes, transporters, and GPCRs. GPR39-C3 has excellent functional activity in physiologically relevant rodent cells and in vivo. An acute study in normal mice with orally administrated GPR39-C3 confirmed in vitro findings by demonstrating an increase of the relevant pharmacodynamic marker GLP-1. It is a good chemical tool to enable interrogation of GPR39 signaling in different cellular contexts.