
MBX-2982

产品编号: D51157

CAS: 1037792-44-1

分子式: C₂₂H₂₄N₈O₅

纯度: ≥98%

InChi: InChI=1S/C₂₂H₂₄N₈O₅/c1-2-16-11-23-22(24-12-16)29-9-7-17(8-10-29)21-26-18(14-32-21)13-3
1-20-5-3-19(4-6-20)30-15-25-27-28-30/h3-6,11-12,14-15,17H,2,7-10,13H₂,1H₃

InChi Key: NFTMKHWBOINJGM-UHFFFAOYSA-N

Smiles: CCC1=CN=C(N=C1)N1CCC(CC1)C1=NC(COC2C=CC(=CC=2)N2C=NN=N2)=CS1

外观: 固体粉末

作用通路: GPR119

溶解性: Soluble in DMSO

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

产品介绍: MBX-2982, also known as SAR-260093, is a potential first-in-class treatment for type 2 diabetes that targets G protein-coupled receptor 119 (GPR119), a receptor that interacts with bioactive lipids known to stimulate glucose-dependent insulin secretion. Preclinical data indicate that MBX-2982 is a potent selective orally-active GPR119 agonist that functions through a unique dual mechanism of action. First, it acts directly on the beta cell to increase insulin secretion. In addition, MBX-2982 stimulates release of the incretin GLP-1 from the gut. This dual action is unique and may offer improved glucose homeostasis over existing diabetes therapies, with potential for weight loss and improved islet health.