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BETP

产品编号: D50860

CAS: 1371569-69-5

分子式: C20H17F3N2O2S

纯度: ≥98%

InChi: InChI=1S/C20H17F3N2O2S/c1-2-28(26)19-24-17(12-18(25-19)20(21,22)23)15-9-6-10-16(11-15)27-13-14-7-4-3-5-8-14/h3-12H,2,13H2,1H3

InChi Key: NTDFYGSSDDMNHI-UHFFFAOYSA-N

Smiles: CCS(=O)C1N=C(C=C(N=1)C(F)(F)F)C1=CC(=CC=C1)OCC1C=CC=CC=1

外观: 固体粉末

作用通路: Glucagon Receptor

溶解性: DMSO up to 100 mM

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

产品介绍: BETP is positive allosteric modulator and partial agonist of the glucagon-like peptide 1 (GLP-1) receptor. It covalently modifies cysteines 347 and 438 in GLP-1R. Specificity studies have shown that it has no activity on GLP-2, GIP, PTH or glucagon receptors. BETP has been shown to potentiate GLP-1R–dependent intracellular calcium mobilization but not cAMP accumulation in response to GLP-1(7-36)NH2 in recombinant cell lines. Conversely, BETP can enhance cAMP efficacy of GLP-1(9-36)NH2 at GLP-1R but not intracellular calcium mobilization. BETP also potentiates cAMP production of the dual-acting GLP-1R/glucagon (GCG) receptor (GCGR) agonist oxyntomodulin at GLP-1R. It promotes GLP-1(9-36)NH2鈥 搭ediated glucose-dependent insulin secretion in rodent and human islet preparations as well as in rodent models following intravenous administration.