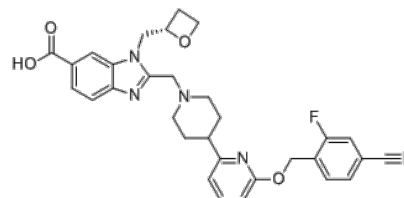


Product Name : Danuglipron
Cat. No. : PC-72210
CAS No. : 2230198-02-2
Molecular Formula : C₃₁H₃₀FN₅O₄
Molecular Weight : 555.61
Target : Glucagon Receptor
Solubility : 10 mM in DMSO



Biological Activity

Danuglipron (PF-06882961) is a potent, selective, non-peptide and orally bioavailable agonist of glucagon-like peptide-1 receptor (**GLP-1R**) with cAMP production EC₅₀ of 1.1 nM.

Danuglipron (PF-06882961) is a full agonist (EC₅₀ = 13 nM) in the CS cAMP assay.

Danuglipron (PF-06882961) is a partial agonist in recruiting βArr2 (EC₅₀ = 490 nM; E_{max} = 36%), exhibits subtle bias for cAMP, relative to βArr1 recruitment.

Danuglipron (PF-06882961) shows K_i value of 360 nM using a competition binding assay.

Danuglipron (PF-06882961) does not activate the rodent GLP-1R.

Danuglipron (PF-06882961) demonstrated beneficial changes during a recently reported multiple-dose study in volunteers with T2DM.

References

Zhang X, et al. *Mol Cell*. 2020 Nov 5;80(3):485-500.e7.

Choe HJ, et al. *Endocrinol Metab (Seoul)*. 2021 Feb;36(1):22-29.

Saxena AR, et al. *Nat Med*. 2021 Jun;27(6):1079-1087.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com