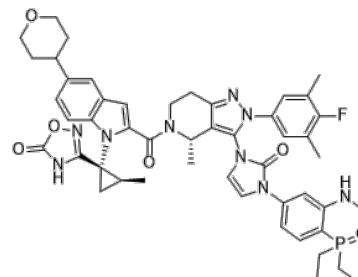


Product Name : Aleniglipron
Cat. No. : PC-23667
CAS No. : 2685823-26-9
Molecular Formula : C₄₉H₅₅FN₉O₆P
Molecular Weight : 916.01
Target : Glucagon Receptor
Solubility : 10 mM in DMSO



Biological Activity

Aleniglipron (GSBR-1290) is a fully biased, orally available, potent GLP-1R agonist with binding K_i of <10 nM and cAMP EC₅₀ of <0.1 nM.

GSBR-1290 strongly activated GLP-1R Gas cAMP pathway without inducing measurable β -arrestin recruitment signaling, which indicates it is a fully biased agonist.

GSBR-1290 showed dose dependent induction of insulin secretion

GSBR-1290 strongly induced insulin secretion and glucose clearance in acute intravenous glucose tolerance test (ivGTT).

GSBR-1290 administered orally once daily for 7-day demonstrated robust increase in insulin secretion and glucose clearance in ivGTT and a dose dependent reduction of food intake and body weight.

References

TING MAO, et al. Discovery of GSBR-1290, a Highly Potent, Orally Available, Novel Small Molecule GLP-1 Receptor Agonist, *Diabetes* 2023;72(Supplement_1):760-P.

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

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