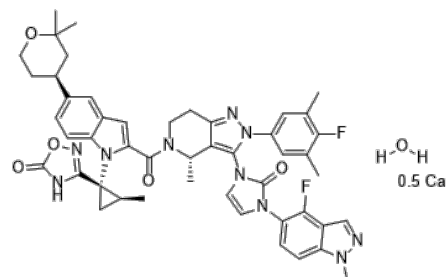


Product Name : Orforglipron hemicalcium hydrate
Cat. No. : PC-26956
CAS No. : 3008544-96-2
Molecular Formula : C₄₈H₄₈F₂N₁₀O_{5.1/2}Ca.H₂O
Molecular Weight : 921.02
Target : Glucagon Receptor
Solubility : 10 mM in DMSO



Biological Activity

Orforglipron hemicalcium hydrate (LY3502970, OWL-833) is a potent, selective, orally active non-peptide agonist of glucagon-like peptide-1 (GLP-1) receptor (GLP-1R) with K_i of 1 nM.

Orforglipron has low intrinsic efficacy for effector activation and negligible β-arrestin recruitment.

Orforglipron is highly potent, displaying pharmacological bias toward the cAMP second messenger signalling pathway.

Orforglipron exhibits full efficacy at reducing hyperglycaemia in experimental animals.

References

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Cong Z, et al. Nat Commun. 2021 Jun 18;12(1):3763.

Kyle W Sloop, et al. Sci Transl Med. 2024 Dec 18;16(778):eadp5765.

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

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