

Product Name : Mazdutide TFA
Cat. No. : PC-28373
CAS No. :
Molecular Formula : C₂₁₀H₃₂₂N₄₆O₆₇·Xc₂hf₃o₂
Molecular Weight : 4563.06 (free base)
Target : Glucagon Receptor
Solubility : 10 mM in DMSO

His-(Aib)-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Glu-Lys-Lys-Ala-Lys-(AEEA-AEEA-gamaGlu-Nonadecanoic acid)-Glu-Phe-Val-Glu-Trp-Leu-Leu-Glu-Gly-Gly-Pro-Ser-Ser-Gly-NH₂ (TFA salt)

Biological Activity

Mazdutide TFA (IBI362, LY3305677) is a synthetic peptide dual agonist of glucagon-like peptide-1 (**GLP-1**) and **glucagon receptor** (GCGR), binds human and mouse GCGR (K_i=17.7 nM and 15.9 nM, respectively) and GLP-1R (K_i=28.6 nM and 25.1 nM, respectively) and stimulates insulin secretion from mouse islets (EC₅₀=5.2 nM).

References

Jiang H, et al. *Nat Commun.* 2022 Jun 24;13(1):3613.

Ji L, et al. *Nat Commun.* 2023 Dec 14;14(1):8289.

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

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