

**Product Name** : Mazdutide  
**Cat. No.** : PC-28372  
**CAS No.** : 2259884-03-0  
**Molecular Formula** : C<sub>210</sub>H<sub>322</sub>N<sub>46</sub>O<sub>67</sub>  
**Molecular Weight** : 4563.06  
**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-γGlu-Nonadecanoic acid)-Glu-  
 Phe-Val-Glu-Trp-Leu-Leu-Glu-Gly-Gly-Pro-Ser-Ser-Gly-NH<sub>2</sub>

## Biological Activity

Mazdutide (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<sub>i</sub>=17.7 nM and 15.9 nM, respectively) and GLP-1R (K<sub>i</sub>=28.6 nM and 25.1 nM, respectively) and stimulates insulin secretion from mouse islets (EC<sub>50</sub>=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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