

[Pro3]-GIP (Mouse)

Cat. No.:	HY-P1434
Molecular Formula:	C ₂₂₅ H ₃₄₂ N ₆₂ O ₆₄ S
Molecular Weight:	4971.62
Sequence:	Tyr-Ala-Pro-Gly-Thr-Phe-Ile-Ser-Asp-Tyr-Ser-Ile-Ala-Met-Asp-Lys-Ile-Arg-Gln-Gln-Asp-Phe-Val-Asn-Trp-Leu-Leu-Ala-Gln-Arg-Gly-Lys-Lys-Ser-Asp-Trp-Lys-His-Asn-Ile-Thr-Gln
Sequence Shortening:	YAPGTFISDYSIAMDKIRQQDFVNWLLAQRGKKSDWKHNITQ
Target:	Insulin Receptor
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

[Pro3]-GIP (Mouse) is a GIP receptor antagonist (IC₅₀: 2.6 μM). [Pro3]-GIP (Mouse) improves glucose tolerance and insulin sensitivity in ob/ob mice. [Pro3]-GIP (Mouse) can be used for research of type 2 diabetes^{[1][2]}.

REFERENCES

[1]. Irwin N, et al. Early administration of the glucose-dependent insulinotropic polypeptide receptor antagonist (Pro3)GIP prevents the development of diabetes and related metabolic abnormalities associated with genetically inherited obesity in ob/ob mice. *Diabetologia*. 2007 Jul;50(7):1532-40.

[2]. Gault VA, et al. Characterization of the cellular and metabolic effects of a novel enzyme-resistant antagonist of glucose-dependent insulinotropic polypeptide. *Biochem Biophys Res Commun*. 2002 Feb 8;290(5):1420-6.

Caution: Product has not been fully validated for medical applications. For research use only.

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