

[Tyr0] Gastric Inhibitory Peptide (23-42), human

Cat. No.:	HY-P3577
CAS No.:	121765-67-1
Molecular Formula:	C ₁₁₉ H ₁₈₂ N ₃₄ O ₃₁
Molecular Weight:	2584.93
Sequence Shortening:	YVNWLLAQKGKKNDWKHNITQ
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	[Tyr0] Gastric Inhibitory Peptide (23-42), human, a glucose-dependent insulinotropic polypeptide (GIP), is a weak inhibitor of gastric acid secretion that also stimulates insulin secretion. [Tyr0] Gastric Inhibitory Peptide (23-42), human can be used in diabetes, obesity research ^{[1][2]} .
In Vivo	GIPR ^{-/-} mice have higher blood glucose levels and impaired initial insulin response after oral glucose loading. In GIPR ^{+/+} mice, a high-fat diet did not increase postprandial intake blood glucose levels, whereas it significantly increased in GIPR ^{-/-} mice ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. LaPelusa A, et al. Biochemistry, Bombesin[M]//StatPearls [Internet]. StatPearls Publishing, 2021.

[2]. K Miyawaki, et al. Glucose intolerance caused by a defect in the entero-insular axis: a study in gastric inhibitory polypeptide receptor knockout mice. Proc Natl Acad Sci U S A. 1999 Dec 21;96(26):14843-7.

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

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