

Acetyl-Exenatide

Cat. No.:	HY-P4790
CAS No.:	305815-28-5
Molecular Formula:	C ₁₈₆ H ₂₈₄ N ₅₀ O ₆₁ S
Molecular Weight:	4228.61
Sequence:	Ac-His-Gly-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Leu-Ser-Lys-Gln-Met-Glu-Glu-Glu-Ala-Val-Arg -Leu-Phe-Ile-Glu-Trp-Leu-Lys-Asn-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH ₂
Sequence Shortening:	Ac-HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS-NH ₂
Target:	PI3K; Akt
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Acetyl-Exenatide is an acetylated derivative of Exenatide. Exenatide has the function similar to insulin, which can be used for research of type 2 diabetes. Exenatide can promote Th17 differentiation, inhibits Tregs differentiation, downregulates PI3K/Akt/FoxO1 phosphorylation^[1].

REFERENCES

[1]. Xu Q, et al. Exenatide regulates Th17/Treg balance via PI3K/Akt/FoxO1 pathway in db/db mice. Mol Med. 2022 Dec 3;28(1):144.

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

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