

Exendin-4 (3-39)

Cat. No.:	HY-P3539
CAS No.:	196109-31-6
Molecular Formula:	C ₁₇₆ H ₂₇₂ N ₄₆ O ₅₈ S
Molecular Weight:	3992.44
Sequence Shortening:	EGTFTSDLSKQMEEEEAVRLFIEWLKNGGPSSGAPPPS-NH2
Target:	GCCR
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Exendin-4 (3-39) is a peptide. Exendin-4 (3-39) is a truncated form of Exendin-4 (HY-13443) that lacks the first two amino acids. Exendin-4 is a potent Glucagon-like peptide-1 receptor (GLP-1r) agonist. Exendin-4 (3-39) and Exendin-4 can be used for the research of diabetic and hypothalamic-pituitary-adrenal (HPA) axis ^{[1][2]} .								
In Vivo	<p>GLP-1 (i.p.; 5 µg/kg) increases circulating corticosterone and aldosterone levels^[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table> <tr> <td>Animal Model:</td> <td>Rats^[2]</td> </tr> <tr> <td>Dosage:</td> <td>5 µg/kg</td> </tr> <tr> <td>Administration:</td> <td>Intraperitoneal injections</td> </tr> <tr> <td>Result:</td> <td>Increased circulating corticosterone levels in a time-dependent manner both in conscious and anaesthetized rats and also increased aldosterone levels.</td> </tr> </table>	Animal Model:	Rats ^[2]	Dosage:	5 µg/kg	Administration:	Intraperitoneal injections	Result:	Increased circulating corticosterone levels in a time-dependent manner both in conscious and anaesthetized rats and also increased aldosterone levels.
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REFERENCES

[1]. David Parkes, et al. Pharmacokinetic actions of exendin-4 in the rat: Comparison with glucagon-like peptide-1. (2001), 53(4), 260-267.

[2]. Affiliations, et al. GLP-1(7-36)-amide and Exendin-4 stimulate the HPA axis in rodents and humans. Endocrinology. 2010 Jun;151(6):2629-40.

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

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