

Des His1, Glu8 Exendin-4

Cat. No.:	HY-P3542
Molecular Formula:	C ₁₇₉ H ₂₇₇ N ₄₇ O ₅₉ S
Molecular Weight:	4063.46
Sequence Shortening:	GEGTFTSELSKQMEEEAVRLFIEWLKNGGPSSGAPPPS-NH2
Target:	GCGR
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Des His1, Glu8 Exendin-4 is a potent glucagon-like peptide-1 receptor (GLP-1-R) antagonist. Des His1, Glu8 Exendin-4 improves glucose homeostasis by regulating both insulin secretion and glucose production. Des His1, Glu8 Exendin-4 can be used for the research of type 2 diabetic and gastrointestinal ^[1] .								
In Vivo	<p>Des His1, Glu8 Exendin-4 (DH-EX) (i3vt injection; 50 µg, 2 µL/15 s) improves glucose homeostasis by regulating both insulin secretion and glucose production^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Rat^[1]</td> </tr> <tr> <td>Dosage:</td> <td>50 µg, 2 µl/15 s</td> </tr> <tr> <td>Administration:</td> <td>i3vt injection</td> </tr> <tr> <td>Result:</td> <td>Showed hyperglycemic for the first 45 min after the intraperitoneal glucose load. Significantly increased insulin levels and insulin area under the curve (AUC) during the IVGTT.</td> </tr> </table>	Animal Model:	Rat ^[1]	Dosage:	50 µg, 2 µl/15 s	Administration:	i3vt injection	Result:	Showed hyperglycemic for the first 45 min after the intraperitoneal glucose load. Significantly increased insulin levels and insulin area under the curve (AUC) during the IVGTT.
Animal Model:	Rat ^[1]								
Dosage:	50 µg, 2 µl/15 s								
Administration:	i3vt injection								
Result:	Showed hyperglycemic for the first 45 min after the intraperitoneal glucose load. Significantly increased insulin levels and insulin area under the curve (AUC) during the IVGTT.								

REFERENCES

[1]. Darleen A Sandoval, et al. Arcuate glucagon-like peptide 1 receptors regulate glucose homeostasis but not food intake. Diabetes. 2008 Aug;57(8):2046-54.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA