

Arg(34)GLP-1(7-37)

PRODUCT DESCRIPTION

Arg(34)GLP-1(7-37) is a 31-amino-acid A peptide related to the incretin/glucagon family, involved in glucose homeostasis, insulin secretion, and metabolic regulation. These peptides signal through GLP-1R, GIPR, or glucagon receptors and are central to diabetes and obesity research. Used for studying incretin-based therapeutics, beta-cell function, and metabolic signaling pathways.

PRODUCT SPECIFICATIONS

Catalog Number	BPT1007
CAS Number	204521-68-6
Molecular Weight	3383.6701 Da
Molecular Formula	C151H228N42O47
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:	HAEGTFTSDVSSYLEGQAAKEFIAWLVRGRG
Three-Letter Code:	H-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Arg-Gly-Arg-Gly-OH

RESEARCH APPLICATIONS

Application	Receptor binding
Biomarker Target	GLP-1R / GIPR / GcgR
Research Area	Metabolic Disease
Sub-category	Incretin System & Diabetes

STORAGE & HANDLING

Storage Temperature	-20 deg C
Form	Lyophilized
Stability	Lyophilized product stable for 24 months at -20 deg C
Reconstitution	Reconstitute in sterile water or appropriate buffer
After Reconstitution	Aliquot and store at -20 to -80 deg C
Avoid	Repeated freeze-thaw cycles

AVAILABLE SIZES

Size Options	1 mg, 10 mg
Usage	Research use

QUALITY CONTROL

Purity Method	HPLC, Mass Spectrometry (MS)
Identity	Confirmed by ESI-MS or MALDI-TOF
Purity	Peak Area by HPLC >=95%
Documentation	Certificate of Analysis (CoA) available upon request