

GLP-1 (7-36)-Lys(biotinyl) amide (human, bovine, guinea pig, mouse, rat)

PRODUCT DESCRIPTION

GLP-1 (7-36)-Lys(biotinyl) amide (human, bovine, guinea pig, mouse, rat) is a 41-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    | BPT1724                              |
| Molecular Weight  | 3652.0873 Da                         |
| Molecular Formula | C165H252N44O48S1                     |
| Purity            | Peak Area by HPLC >=95%              |
| Form              | Lyophilized                          |
| Source            | Synthetic (Chemical Synthesis, SPPS) |
| Endotoxin         | N/A (Synthetic peptide)              |

AMINO ACID SEQUENCE

One-Letter Code:  
HAEGFTSDVSSYLEGQAAKEFIAWLVKGR{Lys(Biotin)}-NH2

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-Lys-Gly-Arg-{Lys(Biotin)}-NH2

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 |