

Glucagon-Like Peptide 1 [7-37] Peptide

Subcategory: Synthetic Peptide

Cat. No.: 350204

Unit: 1 mg

Description:

Glucagon-like peptide 1 (GLP-1) is a potent stimulator of glucose-dependent insulin release and plays important roles on gastric motility and the suppression of plasma glucagon levels. Glucagon, secreted in the A cells of the islets of Langerhans, plays a key role in glucose metabolism and homeostasis. Proglucagon is processed in glucagon, GLP-1, GLP-2, glicentin and oxyntomodulin depending on tissue. Glucagon is used to treat severe hypoglycemia in insulin-dependent diabetics under the names Glucagon (Eli Lilly) and GlucaGen or Glucagon Novo Nordisk (Novo Nordisk).

Format: Each vial contains 1 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Glucagon-like peptide 1 (7-37); GLP-1 (7-37); Glucagon; GCG

Accession No.: P01275

MW: 3337.73 g/mol

Sequence: 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-Gly-OH or H-HAEGTFTSDVSSYLEGQAAKEFIAWLVKGRG-OH

Composition: C₁₅₁H₂₂₆N₄₀O₄₆

Purity: Purity > 95% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.