Glucagon [19-29] Peptide

Subcategory: Synthetic Peptide
Cat. No.: 350201
Unit: 2 mg

Description:
Glucagon [19-29] corresponds to the C-terminal fragment of glucagon, a hormone secreted in the A cells of the islets of Langherans that plays a key role in glucose metabolism and homeostasis. Glucagon [19-29] is a potent Ca2+/Mg2+-ATPase inhibitor. It inhibits secretagogue-induced insulin secretion in beta-cells (IC50<1 pM) and Ca2+/Mg2+-ATPase activity in liver plasma membranes (IC50=0.75 nM). It also contributes to the positive inotropic effect of glucagon in cardiac cells by amplifying the cytosolic Ca2+ signal.

Format: Each vial contains 2 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Miniglucagon; Glucagon; GCG; CAS 64790-15-4; Glucagon (19-29)
Accession No.: P01275

MW: 1352.54 g/mol
Sequence: Human: H-Ala-Gln-Asp-Phe-Val-Gln-Trp-Leu-Met-Asn-Thr-OH or H-AQDFVQWLMNT-OH
Composition: C61H89N15O18S1
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.