

Rev01
Update: Dec,28,2022

DATASHEET

Glucagon (1-29), Human

Cat. No.: RP10772CN

Overview

Synonyms	Glucagon (1-29), Human
Description	Glucagon is a single-chain polypeptide that contains 29 amino acid residues and has a molecular weight of 3,483. Glucagon is a hormone produced in the pancreas and it is used to raise very low blood sugar. Glucagon is also used in diagnostic testing of the stomach and other digestive organs. Glucagon increases blood glucose concentration and is used in the treatment of hypoglycemia. Glucagon acts only on liver glycogen, converting it to glucose. Glucagon administered through a parenteral route relaxes smooth muscle of the stomach, duodenum, small bowel, and colon.
Cas No	16941-32-5
Sequence	{HIS}{SER}{GLN}{GLY}{THR}{PHE}{THR}{SER}{ASP}{TYR}{SER}{LYS}{TYR}{LEU}{ASP}{SER}{ARG}{ARG}{ALA}{GLN}{ASP}{PHE}{VAL}{GLN}{TRP}{LEU}{MET}{ASN}{THR}
Sequence Shortening	HSQGTFTSDYSKYLDSRRAQDFVQWLMNT
Molecular Formula	C ₁₅₃ H ₂₂₅ N ₄₃ O ₄₉ S ₁
Molecular Weight	3482.8

Properties

Purity	> 95%
Solubility	Soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weight out a smaller portion of the contents.
Form	Lyophilized
Storage	Store at -20°C. Keep tightly closed. Store in a cool dry place.