



LKT Laboratories, Inc.

Glucagon, human

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Product Information

Product ID G4480
CAS No. 16941-32-5
Chemical Name

Synonym Glukagon, HG-factor, Glucagon (1-29), human, bovine, porcine.

Formula $C_{153}H_{225}N_{43}O_{49}S$

Formula Wt. 3482.78

Melting Point

Purity $\geq 98\%$

Solubility Practically insoluble in water. Soluble in acidic or basic media, DMSO.

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description Glucagon is an endogenous pancreatic peptide hormone that binds glucagon receptors to increase glucose levels and counteract the effects of insulin. Glucagon is clinically used to treat severe hypoglycemia and anaphylactic shock. Glucagon exhibits some antihypertensive activity, decreasing blood pressure.

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

Bulk quantities available upon request

Product ID	Size
G4480	1 mg

References Xu E, Kumar M, Zhang Y, et al. Intra-islet insulin suppresses glucagon release via GABA-GABAA receptor system. Cell Metab. 2006 Jan;3(1):47-58. PMID: 16399504.

Tang AW. A practical guide to anaphylaxis. Am Fam Physician. 2003 Oct 1;68(7):1325-32. Erratum in: Am Fam Physician. 2004 Mar 1;69(5):1049. PMID: 14567487.

White CM. A review of potential cardiovascular uses of intravenous glucagon administration. J Clin Pharmacol. 1999 May;39(5):442-7. PMID: 10234590.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.