



LKT Laboratories, Inc.

Glucagon-like Peptide II, human

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Product Information

Product ID G4483
CAS No. 99120-49-7
Chemical Name

Synonym GLP-2 (1-34), Preproglucagon 126-159

Formula $C_{171}H_{266}N_{48}O_{56}S$
Formula Wt. 3922.38
Melting Point
Purity $\geq 95\%$
Solubility

H-His-Ala-Asp-Gly-Ser-Phe-Ser-
Asp-Glu-Met-Asn-Thr-Ile-Leu-
Asp-Asn-Leu-Ala-Ala-Arg-Asp-
Phe-Ile-Asn-Trp-Leu-Ile-Gln-
Thr-Lys-Ile-Thr-Asp-Arg-OH

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
G4483	0.5 mg	\$290.00
G4483	1 mg	\$491.60
G4483	2.5 mg	\$869.50

Store Temp -20°C
Ship Temp Ambient

Description Glucagon-like peptide 2 (GLP-2) is an endogenous peptide hormone primarily synthesized in the intestine and pancreas. GLP-2 binds and activates the GLP-2 receptor, exhibiting vasodilatory, antihypertensive, antidepressant, and gastrointestinal motility modulating activities. In animal models, GLP-2 increases intestinal blood flow and decreases mean arterial blood pressure. GLP-2 potentiates L-type voltage-gated Ca^{2+} channels through a mechanism that involves activation of PKA. Additionally, GLP-2 decreases immobility time in animals undergoing the forced swim test. This peptide stimulates cell proliferation, inhibiting chemotherapy-induced mucosal atrophy in the intestines. GLP-2 also decreases gastric emptying and gastrointestinal motility.

References Sasaki-Hamada S, Ito K, Oka JI. Neuronal Fos-like immunoreactivity associated with dexamethasone-induced hypertension in rats and effects of glucagon-like peptide-2. *Life Sci.* 2013 Oct 24. pii: S0024-3205(13)00618-8. [Epub ahead of print]. PMID: 24513200.

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Mojsov S, Kopczynski MG, Habener JF. Both amidated and nonamidated forms of glucagon-like peptide I are synthesized in the rat intestine and the pancreas. *J Biol Chem.* 1990 May 15;265(14):8001-8. PMID: 1692320.

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