



**LKT Laboratories, Inc.**

**Glucagon-like Peptide I Amide (7-36), human**

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)

Web: [lktlabs.com](http://lktlabs.com)

## Product Information

**Product ID** G4481

**CAS No.** 107444-51-9

**Chemical Name**

**Synonym** GLP-1

**Formula** C<sub>149</sub>H<sub>229</sub>N<sub>40</sub>O<sub>45</sub>

**Formula Wt.** 3297.7

**Melting Point**

**Purity** ≥95%

**Solubility** Soluble in water (1 mg/mL).

**Store Temp** -20°C

**Ship Temp** Ambient

**Description** Glucagon-like peptide 1 (GLP-1) is an endogenous peptide hormone that binds GLP-1 receptors, increasing cAMP and insulin secretion. GLP-1 primarily exhibits anorexigenic, anti-diabetic, and gastrointestinal modulatory activities. GLP-1 decreases food intake and glucagon levels in animal models and also slows gastric emptying. In subjects with type 2 diabetes, the response of GLP-1 to glucose is impaired and subjects show abnormally low levels of GLPs.

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-NH<sub>2</sub>

## Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
G4481	0.5 mg	\$281.90
G4481	1 mg	\$478.40
G4481	2.5 mg	\$845.60

**References** Kim S, Wan Kim S, Bae YH. Synthesis, bioactivity and specificity of glucagon-like peptide-1 (7-37)/polymer conjugate to isolated rat islets. *Biomaterials*. 2005 Jun;26(17):3597-606. PMID: 15621250.

Vahl TP, Paty BW, Fuller BD, et al. Effects of GLP-1-(7-36)NH<sub>2</sub>, GLP-1-(7-37), and GLP-1-(9-36)NH<sub>2</sub> on intravenous glucose tolerance and glucose-induced insulin secretion in healthy humans. *J Clin Endocrinol Metab*. 2003 Apr;88(4):1772-9. PMID: 12679472.

Mannucci E, Ognibene A, Cremasco F, et al. Glucagon-like peptide (GLP)-1 and leptin concentrations in obese patients with Type 2 diabetes mellitus. *Diabet Med*. 2000 Oct;17(10):713-9. PMID: 11110504.

Nauck MA. Glucagon-like peptide 1 (GLP-1): a potent gut hormone with a possible therapeutic perspective. *Acta Diabetol*. 1998 Oct;35(3):117-29. PMID: 9840447.

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