

# Liraglutide

**ALTERNATE NAME:** L-histidyl-L-alanyl-L- $\alpha$ -glutamylglycyl-L-threonyl-L-phenylalanyl-L-threonyl-L-seryl-L- $\alpha$ -aspartyl-L-valyl-L-seryl-L-seryl-L-tyrosyl-L-leucyl-L- $\alpha$ -glutamylglycyl-L-glutamyl-L-alanyl-L-alanyl-N6-[N-(1-oxohexadecyl)-L- $\gamma$ -glutamyl]-L-lysyl-L- $\alpha$ -glutamyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-tryptophyl-L-leucyl-L-valyl-L-arginylglycyl-L-arginyl-glycine  
NN2211

**CATALOG #:** B2580-1 1 mg  
B2580-5 5 mg

**PEPTIDE SEQUENCE:**

His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-  
Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-  
( $\gamma$ -Glu-palmitoyl)-Glu-Phe-Ile-Ala-Trp-Leu-  
Val-Arg-Gly-Arg-Gly

**MOLECULAR FORMULA:** C<sub>172</sub>H<sub>265</sub>N<sub>43</sub>O<sub>51</sub>

**MOLECULAR WEIGHT:** 3751.2

**CAS NUMBER:** 204656-20-2

**APPEARANCE:** White lyophilized solid

**PURITY:**  $\geq$ 95%

**SOLUBILITY:** ~ 1 mg/ml (0.01M PBS (pH 7.4))

**DESCRIPTION:** Liraglutide is a highly potent, long-acting glucagon-like peptide 1 (GLP-1) receptor agonist ( $EC_{50}$  = 61 pM). It increases cAMP accumulation in CHO cells expressing the human GLP-1 receptor. Inhibits food and water intake, causing lasting and reversible weight loss in normal and obese rats.

**STORAGE TEMPERATURE:** -20°C. Protect from moisture

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Linagliptin (2240)  
GLP-1 (Human) ELISA Kit (K4162)  
GLP-1, Human Recombinant (7839)  
Extendin-4 (acetate) (B2106)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*