Creative Enzymes®

Lixisenatide Acetate

Cat. No. CEPP-008

Lot. No. (See product label)

Introduction

Description Lixisenatide Acetate is a glucagon-like peptide-1 (GLP-1) receptor agonist used for the treatment of type 2 diabetes. As a synthetic GLP-1 analog, lixisenatide mimics the action of natural GLP-1 to help regulate blood glucose levels.

Applications Diabetes Management Regulating Blood Glucose: Lixisenatide Acetate enhances insulin secretion and inhibits glucagon release, making it particularly effective in managing postprandial (after meal) hyperglycemia. It helps patients with type 2 diabetes better control their blood glucose levels after meals. Delaying Gastric Emptying: By slowing gastric emptying, lixisenatide reduces the rate at which glucose is absorbed, leading to more stable blood glucose levels and reducing rapid spikes after meals. Low Risk of Hypoglycemia: Because its action is dependent on blood glucose levels, lixisenatide has a relatively low risk of causing hypoglycemia, especially when used in combination with other antidiabetic medications. Weight Management Appetite Suppression: Lixisenatide acts on the appetite centers in the brain to suppress appetite, helping patients reduce food intake. This is particularly beneficial for overweight or obese patients with type 2 diabetes, aiding in weight management. Cardiovascular Health Cardiovascular Protection: Some studies suggest that GLP-1 receptor agonists may have cardiovascular benefits. Although more research is needed to confirm this, lixisenatide may help reduce cardiovascular risk in patients with type 2 diabetes.

Product Information

CAS No.	827033-10-3
Molecular Formula	C215H347N61O65S
Molecular Weight	4858.49
Purity	98%
Amino Acid Sequence	H–His–Gly–Glu–Gly–Thr–Phe–Thr–Ser–Asp–Leu–Ser–Lys–Gln–Met–Glu–Glu–Glu–Ala–Val–Arg–Leu–Phe–Ile–Glu–Trp–Leu–Lys–Asn–Gly–Gly–Pro–Ser–Ser–Gly–Ala–Pro–Pro–Ser–Lys–Lys–Lys–Lys–Lys–Lys–Nh2

Usage and Packaging

Package 1G/Bottle, 10G/Bottle, 50G/Bottle or at customers reqirement.

Storage and Shipping Information

Storage -20°C