

## 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-NH<sub>2</sub>

### Usage and Packaging

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

### Storage and Shipping Information

**Storage** -20°C