



Matrix BioLabs

Peptides

Retatrutide 20mg

Overview

Retatrutide is a novel investigational triple agonist peptide that activates GLP-1, GIP, and glucagon receptors. It is primarily researched for the treatment of obesity, overweight, and type 2 diabetes. By targeting these three pathways, it simultaneously reduces appetite, slows gastric emptying, increases energy expenditure, and improves insulin sensitivity for comprehensive metabolic effects.

Benefits

Key benefits include significant weight reduction, with Phase 2 trials showing up to 24.2% body weight loss at 48 weeks with the 12mg dose.

Additional benefits reported in studies include improved glycemic control (A1C reductions), favorable changes in cardiometabolic markers such as blood pressure, cholesterol, and triglycerides, as well as reduced fat mass while preserving the feeling of satiety and fullness.

Dosage

Follow a gradual titration schedule to improve tolerability: commonly starting at 0.5–2 mg once weekly, with increases every 4 weeks toward maintenance doses of 4–12 mg, depending on individual response and study protocols.

Reconstitution

Add 2ml of BAC water. This yields a concentration of 10mg/ml (100 units = 10mg on a U-100 insulin syringe). For example, a 1mg dose = 10 units. Store the reconstituted solution in the refrigerator and follow standard stability guidelines.