

STEMALIA

Learn everything about
RETATRUTIDE



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**Name of the Peptide / Product**

Retatrutide

Improvement of metabolic markers**Presentation:**

Vial or prefilled pen with 20 mg of injectable solution.
Ready for subcutaneous use.

Composition:

Each vial/pen contains: Retatrutide 20 mg.

Excipients: stabilizers, buffer, and water for injection.

MECHANISM OF ACTION

- Triple agonist of GLP-1, GIP, and glucagon.
- Effects: appetite reduction, higher energy expenditure, improved insulin sensitivity, weight loss, and glycemic control.

INDICATIONS UNDER INVESTIGATION

- Obesity in adults with elevated BMI.
- Type 2 diabetes.
- Metabolic syndrome.

RECONSTITUTION

- Generally provided as a ready-to-use solution.
- If supplied in lyophilized powder form, reconstitute with the provided diluent.

ADMINISTRATION

- Subcutaneous injection in abdomen, thigh, or upper arm.
- Rotate injection sites.

DOSAGE

- **Start:** 2 mg SC/week.
Progressive titration (e.g., 2→4→8→12 mg).
- **Maximum studied dose:** 20–24 mg SC/week.
- **Frequency:** Once per week.

DURATION OF TREATMENT

- **Clinical studies:** 52 to 72 weeks.
- Designed as chronic therapy for metabolic control and obesity.

THERAPEUTIC OBJECTIVES

- Body weight reduction (up to 24% in phase II).
- Improvement of glycemic control.
- Reduction of visceral and hepatic fat.
- Metabolic optimization.

CONTRAINDICATIONS

- Hypersensitivity, history of medullary thyroid carcinoma or MEN2, acute pancreatitis, pregnancy, and breastfeeding.

ADVERSE EFFECTS

- Nausea, vomiting, diarrhea, constipation, weight loss, headache, fatigue.
- Increased risk of hypoglycemia (especially with sulfonylureas/insulin).

PRECAUTIONS

- Slow titration to improve GI tolerance.
- Caution in patients with a history of pancreatitis.
- Monitor thyroid and pancreatic function.
- Not recommended for individuals under 18 years of age.

STORAGE

- Refrigerate between 2–8 °C.
- Do not freeze.
- Once the pen is opened: up to 28 days at room temperature (<30 °C).



Presentation: 20 mg lyophilized vial

Reconstitution:

2 ml bacteriostatic → 8000 mcg/ml

Administration: Subcutaneous

Minimum Dose: 1000 mcg

Maximum Dose: 8000 mcg

Frequency: Once weekly

Typical Duration: 8–12 weeks

Objectives: Improvement of metabolic markers

Sequence: Triple agonist of GLP-1, GIP, and glucagon

Molecular formula: N/A

Molecular weight: N/A

CAS number: N/A