



Magnum Compounding LLC  
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## COMPOUNDED INJECTABLE FORMULA INFORMATION SHEET

**Product Name:** Sermorelin Acetate

**Formulation Type:** Sterile Injectable Solution (Subcutaneous Use Only)

**Vial Concentration:** 9 mg and 15 mg per vial

**Vial Size:** 3 mL Multi-Dose Vial (MDV)

### ACTIVE INGREDIENTS (per mL)

Ingredients	Strength (mg / 3 mL)	Role & Benefits
Sermorelin Acetate	9 mg, 15 mg	GHRH analog; stimulates the pituitary to secrete GH and IGF-1

### OTHER INGREDIENTS:

- Benzyl Alcohol 0.9% (Preservative)
- Water for Injection, USP (Vehicle)
- pH adjusted with Sodium Hydroxide and/or Hydrochloric Acid

**DESCRIPTION:** Sermorelin is a synthetic analog of growth hormone-releasing hormone (GHRH), consisting of the first 29 amino acids of the naturally occurring GHRH. It stimulates the anterior pituitary to produce and secrete endogenous growth hormone (GH), leading to increased levels of IGF-1. Sermorelin helps restore natural GH secretion rhythms and is used in managing adult-onset GH deficiency and supporting healthy aging.

### INDICATIONS:

- Adult growth hormone deficiency
- Age-related decline in GH levels
- Support for muscle mass, fat metabolism, and sleep quality
- IGF-1 optimization

### DOSAGE & ADMINISTRATION:

- Typical dosing ranges from 200–500 mcg administered subcutaneously (SC) at bedtime.
- As an example, 300 mcg/day may be considered for adults with a BMI between 18.5–24.9.
- Frequency is generally once daily at night to align with natural growth hormone release.

**If you have any questions or concerns regarding your medication, please do not hesitate to contact us.**



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- These dosing guidelines are provided for informational purposes only. All dosing and administration should be determined and supervised by a licensed healthcare provider. Always use appropriate aseptic technique.

**STORAGE:** Refrigerate at 2°C to 8°C (36°F to 46°F). Protect from light. Do not freeze.

**WARNINGS & PRECAUTIONS:**

- Do not use with untreated hypothyroidism
- Use caution in diabetes, obesity, or intracranial lesions
- May reduce insulin sensitivity and lower T3 levels
- May affect lab results (alkaline phosphatase, phosphorus)
- Not recommended during pregnancy or breastfeeding

**POTENTIAL SIDE EFFECTS:**

- Common: Injection site pain, redness, swelling (16%)
- Rare: Headache, nausea, dizziness, flushing, gynecomastia
- Serious: Hypersensitivity, chest tightness, antibody formation (rare)

**DRUG DISPOSAL:** Unused or expired compounded medications should be disposed of properly according to local regulations. Do not flush medications down the toilet or pour them into a drain unless instructed to do so. Consult with your pharmacy or local waste disposal authority for appropriate disposal methods. Magnum Compounding LLC can provide guidance or accept returned compounds for proper disposal when applicable. More information: <https://www.fda.gov/drugs/safe-disposal-medicines/disposal-unused-medicines-what-you-should-know>.

**SHIPPING & HANDLING:** Shipped in temperature-controlled packaging. Do not use it if the package appears damaged or medication was stored outside the required temperature.

**INJECTION SAFETY CONSIDERATIONS (CDC GUIDANCE):**

- Medications should be drawn up in a designated clean medication preparation area using a new sterile syringe and sterile needle.
- Prepare an injection as close as possible to the time of administration to the patient.
- Do NOT leave the needle inserted into a medication vial septum for multiple uses.
- Vials labeled as single-dose or single-use should be used for only a single patient and entered only once.

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- Do NOT combine (pool) leftover contents of single-dose or single-use vials or store them for later use.
- If a single-dose or single-use vial has been opened or accessed (e.g., needle-punctured), it should be discarded according to pharmacy policy or at the end of the procedure, whichever is sooner.
- Discard any medication vial if sterility is compromised or questionable.
- Multi-dose vials should be dedicated to a single patient whenever possible.
- Once opened, multi-dose vials must be dated and discarded within 28 days unless otherwise specified by the pharmacy label.

#### REFERENCE:

1. Pubmed.ncbi.nlm.nih.gov/7569285/
2. Aruoma OI. Methodological considerations for characterization of potential antioxidant actions of bioactive components in plant foods. Mutat Res. 2003;532:9–20. [PubMed] [Google Scholar]
3. Mohammed AA, Ibrahim AA. Pathological roles of reactive oxygen species and their defense mechanism. Saudi Pharm J.2004;12:1–18.[Google Scholar]
4. Bagchi K, Puri S. Free radicals and antioxidants in health and disease. East Mediterranean Health Jr. 1998;4:350–60.
5. Glutathione reverses endothelial dysfunction and improves nitric oxide bioavailability. Am Coll Cardiol. 1999; 34:507-514

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