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Laboratory Research Compound Reference Guide

Tissue Repair & Recovery

- **BPC-157:** Gastric peptide derivative studied for soft tissue healing, collagen synthesis, and anti-inflammatory pathways.
- **TB-500 (Thymosin Beta-4 fragment):** Synthetic peptide evaluated for cell migration, actin regulation, and cardiovascular/tissue repair.
- **GHK-Cu:** Copper-binding tripeptide researched for dermal remodeling, tissue regeneration, and gene regulation.

Metabolic & Weight Management

- **Semaglutide:** GLP-1 receptor agonist investigated for glucose regulation and appetite suppression mechanisms.
- **Tirzepatide:** Dual GLP-1/GIP receptor agonist evaluated for metabolic optimization and glycemic control.
- **AOD-9604:** C-terminal fragment of human growth hormone studied for lipolytic activity without affecting blood sugar levels.

Growth Hormone Secretagogues

- **CJC-1295 (No DAC / With DAC):** Growth hormone-releasing hormone (GHRH) analog studied for sustained GH release.
- **Ipamorelin:** Selective GH secretagogue evaluated for targeted pituitary stimulation without spiking cortisol or prolactin.
- **Sermorelin:** Synthetic GHRH peptide investigated for natural pituitary growth hormone pulse stimulation.

Cognitive & Nootropic

- **Semax:** Synthetic heptapeptide derivative studied for neuroprotective, BDNF-elevating, and cognitive modulation properties.
- **Selank:** Synthetic regulatory peptide evaluated for anxiolytic activity, neurogenesis, and immune system interaction.



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Laboratory Handling & Reconstitution Standards

1. **Aseptic Technique:** Sanitize the rubber stoppers of both the bacteriostatic water and compound vials with 70% isopropyl alcohol wipes prior to entry. Allow to air dry completely.
2. **Reconstitution:** Inject bacteriostatic water gently along the inner glass wall of the vial at an angle. Avoid direct liquid impact onto lyophilized powder to prevent shear stress.
3. **Dissolution:** Gently swirl or rotate the vial until the solution becomes completely clear. Do not shake or agitate forcefully.
4. **Storage:** Store reconstituted liquid solutions at 2°C–8°C (36°F–46°F). Store dry lyophilized powder sealed in a cold, dark, and moisture-free environment.

Research Compliance Notice: All catalog items and reference data are intended exclusively for laboratory research, analytical testing, and in vitro experimentation. Not for human consumption or diagnostic procedures.