

Peptides and Their Functions

Metabolic & Weight Management

- **GLP-1s (Tirzepatide, Semaglutide, and More):** Regulate blood sugar, reduce appetite, support weight loss, and improve metabolic and cardiovascular health.
- **AOD-9604:** Enhances fat metabolism and supports weight loss.

Muscle Growth & Recovery

- **CJC-1295 / Ipamorelin:** Stimulate growth hormone production, enhance muscle growth, fat loss, recovery, and sleep.
- **Tesamorelin:** Boosts IGF-1 levels, promotes lean muscle growth, and aids in fat metabolism.
- **Sermorelin:** Stimulates natural growth hormone production, supporting anti-aging and muscle recovery.

Tissue Repair & Anti-Inflammation

- **BPC-157:** Aids in tissue repair, accelerates wound healing, supports gut health, and reduces inflammation.
- **TB4 Frag (Thymosin Beta-4 Fragment):** Supports wound healing, muscle recovery, and immune modulation.
- **KPV:** Reduces inflammation and supports tissue healing at the cellular level.

Cognitive & Emotional Health

- **Selank:** Enhances mood, reduces anxiety, and supports cognitive function and neuroprotection.
- **Semax:** Improves focus, cognitive function, attention, and aids in recovery from brain injuries.

- **Cerebrolysin (CerebroPep):** A powerful **neuroprotective** peptide that enhances **brain function, memory, and neuroplasticity**. It has been used for **stroke recovery, traumatic brain injury (TBI), and neurodegenerative conditions like Alzheimer's and Parkinson's disease**.

Mitochondrial & Longevity Support

- **MOTS-C:** Enhances mitochondrial function, supports metabolism, and improves physical endurance.
- **Epitalon:** Supports longevity, enhances pineal function, and regulates melatonin production.

Immune System Support & Modulation

- **Thymosin Alpha-1:** Enhances immune function, supports T-cell activation, and is used in autoimmune conditions and chronic infections (**use caution in Th1-dominant individuals**).
- **LL-37 (Antimicrobial Peptide):** A powerful immune-modulating peptide that fights bacterial and viral infections.
- **Thymus Bioregulator:** Supports immune function without overstimulation, helpful for chronic infections and immune dysregulation.

Hormonal Balance & Endocrine Support

- **Thyroid Bioregulator:** Supports thyroid function without overstimulating, making it beneficial for both hypothyroid and hyperthyroid conditions.

Sexual Health & Performance

- **Melanotan II:** Supports tanning and enhances libido and sexual function.
- **PT-141:** Boosts libido and improves sexual health.

Muscle Growth & Performance Enhancement

- **IGF-1 LR3:** Promotes lean muscle growth, aids in recovery, and enhances athletic performance.

Sleep & Stress Regulation

- **DSIP (Delta Sleep-Inducing Peptide):** Regulates sleep cycles, improves deep sleep, and modulates stress response.
- **Pinelon (Pineal Bioregulator):** Supports pineal gland function, enhances melatonin production, and optimizes sleep-wake cycles.