



## Semax 10mg

### About

Semax is a nootropic peptide being studied for its ability to support brain function, neuroplasticity, and emotional balance. By influencing BDNF levels and key neurotransmitters, it may aid cognitive performance, stress resilience, and neurological recovery.

\*These products are for research use only and are not intended for human consumption, medical use, therapeutic use, or diagnostic purposes. They are not to be used in foods, drugs, cosmetics, dietary supplements, or any products intended for humans or animals. Peptides are not sterile, have not been tested for safety or efficacy in humans, and must not be injected, ingested, inhaled, applied to the skin, or administered in any form. No product sold is intended to treat, cure, mitigate, or prevent any disease.

## What's Included

- One spray bottle
- Concentration: 10mg/15mL
- Bottle duration varies based on use

### Clinical Research Potential Benefits:

- May enhance focus, memory, and mental clarity
- May support neuroprotection and brain healing
- May improve mood stability and stress response
- May promote neuroplasticity and cognitive resilience

### Clinical Research Suggested Use:

General:

- 4 sprays (300mcg) 1-3x/day
- 5 days on, 2 consecutive days off for 4 weeks per cycle

Long term:

- 8-12 weeks on at the 5 days on and 2 days off schedule, then take 4 weeks off
- Duration: 1-3 months



## Nasal Spray Guidelines

### Before Use:

---

- For first-time use: Prime the spray by pressing the pump 2 to 3 times until it fully activates
- Gently blow your nose to clear the nasal passages
- Shake the bottle lightly
- Insert the nozzle toward the back of the nostril while keeping your head upright
- Press the pump to administer the recommended number of sprays

### After Use:

---

- Try to avoid blowing your nose right away
- Wipe the spray tip with a clean tissue
- Replace the cap securely
- Store in the refrigerator



## Semax 10mg Mechanism of Action

- **Stimulation of Neurotrophic Factors and Synaptic Plasticity:**
  - Semax enhances brain health and cognitive performance by stimulating the expression of brain-derived neurotrophic factor (BDNF), a key protein involved in neurogenesis, neuronal survival, and synaptic plasticity. Increased BDNF activity supports memory consolidation, learning capacity, and adaptive neural function under stress or fatigue.
- **Dopamine and Serotonin Modulation:**
  - Semax modulates the activity of dopaminergic and serotonergic neurotransmission—two systems essential for focus, motivation, and mood stability. By improving the bioavailability and receptor sensitivity of dopamine and serotonin, Semax promotes mental clarity, sustained attention, and emotional balance.
- **Neuroprotective and Antioxidant Effects:**
  - Semax provides direct neuroprotection through its antioxidant and anti-inflammatory actions. It mitigates oxidative stress, reduces neuroinflammation, and helps preserve neuronal membrane integrity, thereby preventing cellular damage associated with cognitive decline and neurodegenerative processes.
- **Enhanced Cerebral Circulation and Oxygenation:**
  - The peptide improves cerebral blood flow, facilitating greater oxygen and nutrient delivery to brain tissues. This vascular effect supports both acute recovery (e.g., post-ischemic or traumatic injury) and long-term brain performance, enhancing resilience to mental and physical fatigue.
- **Regulation of Stress Response and HPA Axis:**
  - Semax modulates the hypothalamic-pituitary-adrenal (HPA) axis, optimizing the body's response to stress and reducing cortisol overactivation. This regulatory effect enhances mental resilience, anxiety control, and neuroendocrine stability under both cognitive and emotional stressors.
- **Cognitive and Systemic Impact:**
  - By integrating neurotrophic stimulation, monoamine modulation, and vascular optimization, Semax enhances memory, focus, and stress tolerance. These effects make it a powerful nootropic and neuroprotective compound for cognitive enhancement, recovery, and long-term brain health.