



## PT-141/Oxytocin 10mg/5mg

### About

This intranasal blend combines PT-141 and Oxytocin to support sexual arousal, emotional intimacy, and mood. By activating melanocortin and oxytocin pathways, it may naturally enhance connection, pleasure, and social engagement.

\*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/5mg/15mL
- Bottle duration varies based on use

**Caution:** Contraindicated in individuals with history of or current cardiac conditions.

### Clinical Research Potential Benefits:

- May boost libido and sexual responsiveness
- May enhance emotional bonding and intimacy
- May improve mood, confidence, and social interaction
- May support pleasure and connection through key brain pathways

### Clinical Research Suggested Use:

- 2-6 sprays (100–400mcg)
- 2 sprays (133mcg PT-141 and 66.6mcg of Oxytocin)
- 4 sprays (267mcg PT-141 and 133.2mcg of Oxytocin)
- 6 sprays (400mcg PT-141 and 199.8mcg of Oxytocin)
- Start with 2 sprays
- Wait 15-20 minutes to assess nausea
- Proceed with 2-4 more sprays for full effect
- Duration: As needed
- Add L-theanine capsule 30 minutes prior to help with nausea



## 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



## PT-141/Oxytocin 10mg/5mg Mechanism of Action

- **Melanocortin Receptor Activation:**

- PT-141 is a selective melanocortin receptor agonist that primarily targets melanocortin-3 (MC3R) and melanocortin-4 (MC4R) receptors located within the central nervous system. Activation of these receptors modulates neuroendocrine circuits involved in sexual desire and arousal.

- **Central Nervous System Pathways:**

- Unlike phosphodiesterase inhibitors that act via peripheral vasodilation, PT-141 operates centrally by influencing hypothalamic pathways responsible for sexual motivation and behavior. This mechanism directly enhances sexual drive independent of vascular function.

- **Dopaminergic and Oxytocinergic Modulation:**

- Stimulation of MC4R receptors enhances dopaminergic neurotransmission and promotes the release of oxytocin—both critical mediators of sexual arousal, bonding, and reward. This neurochemical modulation amplifies sexual desire and positive affective responses.

- **Autonomic and Neuroendocrine Regulation:**

- PT-141 influences sympathetic nervous system output and integrates neuroendocrine signals that coordinate arousal responses. These effects result in heightened sexual readiness and improved central activation of arousal networks.

- **Distinct Mechanistic Profile:**

- Through its central melanocortin-mediated mechanism, PT-141 provides a unique therapeutic pathway for addressing hypoactive sexual desire and arousal disorders. Its independence from nitric oxide-mediated vasodilation makes it effective in both male and female patients, including those unresponsive to PDE5 inhibitors.