

# Apomorphine 2mg / Tadalafil 10mg

Sublingual Troches • Compounded Combination Therapy

For Patients with Partial Response to PDE5 Inhibitor Monotherapy

## Mechanism of Action

### Apomorphine (Dopaminergic Pathway)

Apomorphine is a non-selective dopamine receptor agonist (D<sub>1</sub> and D<sub>2</sub>) acting centrally at the hypothalamus and medial preoptic area. It activates the pro-erectile dopaminergic pathway, initiating the neural cascade required for penile erection independent of peripheral vascular mechanisms.

### Tadalafil (PDE5 Inhibitory Pathway)

Tadalafil selectively inhibits phosphodiesterase type 5 (PDE5) in penile corpus cavernosum smooth muscle. This prevents degradation of cyclic guanosine monophosphate (cGMP), prolonging smooth muscle relaxation, increasing blood flow, and sustaining erection in response to sexual stimulation.

### Complementary Dual Mechanism

By simultaneously activating central dopaminergic signaling and peripheral cGMP-mediated vasodilation, this combination addresses both the neurological initiation and vascular execution of erectile function—pathways that act independently and synergistically.

## Target Patient Profile

This formulation is optimized for patients who:

- Achieve only partial response to tadalafil or other PDE5 inhibitors
- Experience inconsistent response attributable to central (libido/arousal) deficits
- Prefer on-demand sublingual administration over oral tablets
- Have neurogenic or psychogenic components contributing to erectile dysfunction
- Desire enhanced spontaneity with a faster onset than standard oral PDE5 therapy

## Clinical Advantages

- **Dual-pathway synergy:** Addresses both central arousal initiation and peripheral vascular response simultaneously
- **Sublingual delivery:** Rapid mucosal absorption with faster onset compared to oral tablets
- **Convenient dosage form:** Troches are discreet, easy to administer, and require no water
- **Personalized compounding:** Dosing can be adjusted based on patient response and tolerability

## Directions for Use / Suggested SIG

<b>Suggested SIG</b>	Dissolve 1 troche sublingually 20–30 minutes before sexual activity. Do not swallow. Allow to dissolve completely under the tongue. Use no more than 1 troche per 24-hour period.
<b>Route</b>	Sublingual (under tongue) — do not chew or swallow
<b>Onset</b>	Typically 20–30 minutes; sexual stimulation is required for effect
<b>Maximum Frequency</b>	1 troche per 24 hours (in accordance with tadalafil dosing guidelines)

### Packaging & Storage

**Quantity:** 10 troches per package

**Packaging:** Individual heat-sealed foil pouches

**Storage temp:** Room temperature (up to 77°F / 25°C)

**Stability:** Up to 30 days from dispensing date

**After opening:** Must be kept sealed when not in use

**Refrigeration:** Not required; avoid excessive heat or humidity

#### ⚠ Patient Counseling Note

*Advise patients to keep each troche sealed until immediately before use to maintain potency and stability.*

### How to Order

#### Option 1 — Electronic Prescribing

- Select “Compound” as the medication in your e-prescribing system
- In the SIG or Comments field, enter:  
Apomorphine 2mg / Tadalafil 10mg Sublingual Troche — Dispense 10
- Include dosing instructions as desired (see Suggested SIG above)

#### Option 2 — Phone or Fax

- **Phone:** (717) 846-0500
- **Fax:** (717) 845-8767
- **Address:** 1698 S Queen St, York, PA 17403

#### ⚠ Important Prescribing Note

Contraindicated with nitrates or nitric oxide donors in any form. Use with caution in patients with hypotension, recent MI, or hepatic impairment. Review full prescribing considerations for both apomorphine and tadalafil prior to prescribing.