

****Butylscopolamine (also known as hyoscine butylbromide) is an antispasmodic and anticholinergic medication used to relieve abdominal cramps, gastrointestinal spasms, and bladder discomfort. It works by blocking muscarinic receptors, preventing involuntary muscle contractions.****

🧪 Chemical Composition

- ****Active Ingredient:**** *Butylscopolamine bromide* (also called hyoscine butylbromide)
- ****Molecular Formula:**** $C_{21}H_{30}NO_4^+ \cdot Br^-$
- ****Drug Class:**** Anticholinergic (muscarinic receptor antagonist)
- ****Formulations:****
 - Tablets: 10 mg
 - Injection: 20 mg/mL
 - Suppositories: 10 mg (in some regions)

💊 Dosage & Administration

- ****Route:**** Oral, intravenous (IV), intramuscular (IM), or rectal
- ****Typical Adult Dosage:****
 - *Tablets:* 10 mg 3-5 times daily
 - *Injection:* 20 mg IV/IM up to 4 times daily
 - *Suppository:* 10 mg up to 3 times daily
- ****Pediatric Use:**** Not recommended for children under 6 years; older children may receive adjusted doses under medical supervision

🏥 Medical Uses

- ****Primary Indications:****
 - Abdominal cramps and spasms
 - Irritable bowel syndrome (IBS)
 - Menstrual pain
 - Bladder spasms (e.g., catheter-related discomfort)
 - Biliary and ureteric colic (limited efficacy)
- ****Mechanism of Action:****
 - Blocks M3 muscarinic receptors in smooth muscle
 - Reduces involuntary contractions in the GI and urinary tracts

⚠️ Side Effects

****Common:****

- Dry mouth
- Constipation
- Blurred vision
- Drowsiness

****Less Common but Serious:****

- Rapid heartbeat (tachycardia)
- Allergic reactions (rash, swelling, difficulty breathing)
- Urinary retention
- Confusion (especially in elderly patients)

⚠️ Risks & Precautions

- ****Contraindications:****
 - Glaucoma
 - Myasthenia gravis
 - Enlarged prostate
 - Intestinal obstruction or paralytic ileus
- ****Pregnancy & Breastfeeding:****
 - Use with caution; consult a healthcare provider
- ****Drug Interactions:****
 - May interact with other anticholinergics, tricyclic antidepressants, and antihistamines
- ****Overdose Risk:****
 - Symptoms include dry skin, hallucinations, fever, and cardiac arrhythmias

😊 Patient Feedback & Complaints

- ****Positive Feedback:****
 - Rapid relief from abdominal and bladder spasms
 - Effective in IBS and menstrual pain
 - Available in multiple forms (tablet, injection)

****Common Complaints:****

- Dry mouth and dizziness
- Blurred vision or difficulty focusing
- Not suitable for long-term use due to tolerance and side effects
- Some users report limited effect in severe colic or renal pain

📋 Summary Table

Category	Details
Drug Name	Butylscopolamine
Active Ingredient	Butylscopolamine bromide
Use	Abdominal cramps, IBS, bladder spasms

Dosage	10 mg orally 3-5x/day; 20 mg IV/IM as needed
Common Side Effects	Dry mouth, constipation, blurred vision
Serious Risks	Tachycardia, allergic reactions, urinary retention
Patient Feedback colic	Fast relief; dry mouth, dizziness, limited effect in severe
Contraindications obstruction	Glaucoma, myasthenia gravis, prostate issues, intestinal

Sources:
