

****Ambroxol is a mucolytic agent used to treat respiratory conditions involving excessive or thick mucus. It helps loosen phlegm, making it easier to cough out, and also has mild analgesic properties for sore throat relief.****

🧪 Chemical Composition

- ****Active Ingredient:**** *Ambroxol hydrochloride*
- ****Molecular Formula:**** $C_{13}H_{18}Br_2N_2O$
- ****Formulations:****
 - ****Tablets:**** 30 mg
 - ****Syrup:**** 15 mg/5 mL (pediatric), 30 mg/5 mL (adult)
 - ****Respules (inhalation):**** 7.5 mg/mL
 - ****Lozenges:**** Often combined with other agents for sore throat relief

💊 Dosage & Administration

- ****Route:**** Oral, inhalation, or lozenge
- ****Typical Adult Dosage:****
 - ***Tablets:*** 30 mg 2-3 times daily
 - ***Syrup:*** 10 mL (30 mg) 2-3 times daily
 - ***Respules:*** 15-22.5 mg via nebulizer 1-2 times daily
- ****Pediatric Dosage:****
 - ***Syrup:*** 2.5-5 mL (7.5-15 mg) 2-3 times daily depending on age
- ****Administration Tips:****
 - Take with food to reduce stomach discomfort
 - Duration: Usually 5-10 days or as prescribed

🏥 Medical Uses

- ****Primary Indications:****
 - ***Bronchitis*** (acute and chronic)
 - ***Chronic Obstructive Pulmonary Disease (COPD)***
 - ***Asthma*** with mucus hypersecretion
 - ***Pneumonia***
 - ***Sore throat*** (lozenges)
- ****Mechanism of Action:****
 - Breaks down acid mucopolysaccharide fibers in mucus
 - Reduces viscosity and improves mucociliary clearance
 - Provides local anesthetic effect in throat formulations

⚠️ Side Effects

- ****Common:****
 - Nausea
 - Vomiting
 - Stomach discomfort

- Dry mouth
- Diarrhea

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

- Allergic reactions (rash, itching, swelling)
- Headache or dizziness
- Rare cases of skin reactions like Stevens-Johnson syndrome

⚠️ Risks & Precautions

- ****Contraindications:****
 - Known allergy to ambroxol or related compounds
- ****Pregnancy & Breastfeeding:****
 - Use with caution, especially in the first trimester
- ****Drug Interactions:****
 - May enhance absorption of certain antibiotics (e.g., amoxicillin, cefuroxime)
- ****Special Caution:****
 - Patients with gastric ulcers should use with care due to mucosal irritation

😊 Patient Feedback & Complaints

- ****Positive Feedback:****
 - Effective in clearing chest congestion
 - Fast relief from cough and sore throat
 - Well tolerated in children and adults
- ****Common Complaints:****
 - Bitter taste (especially in syrup)
 - Mild stomach upset
 - Occasional skin rash or allergic reaction
 - Some users report limited effect in severe infections

📄 Summary Table

Category	Details
Drug Name	Ambroxol
Active Ingredient	Ambroxol hydrochloride
Use	Mucolytic for respiratory conditions with thick mucus
Dosage	30 mg tablets or 10 mL syrup 2-3x/day

Common Side Effects	Nausea, dry mouth, stomach discomfort
Serious Risks	Allergic reactions, rare skin disorders
Patient Feedback	Effective; bitter taste, mild GI upset
Contraindications	Allergy to ambroxol, caution in gastric ulcers

Sources: [Drugs.com](https://www.drugs.com/ambroxol.html),
[Practo](https://www.practo.com/medicine-info/ambroxol-530-api), [Medicover
Hospitals](https://www.medicoverhospitals.in/medicine/ambroxol)
