

An aerial photograph of a winding asphalt road through a dense forest. The road curves sharply to the right and then back to the left. A small white car is visible on the road, positioned on the left side of the curve. The surrounding forest is lush with green trees, some of which have yellowing leaves, suggesting an autumn setting. The overall scene is serene and natural.

Liberation from Occlusion

Aphyren-N

Acetylcysteine 600mg and Acebrophylline 100mg Tablets

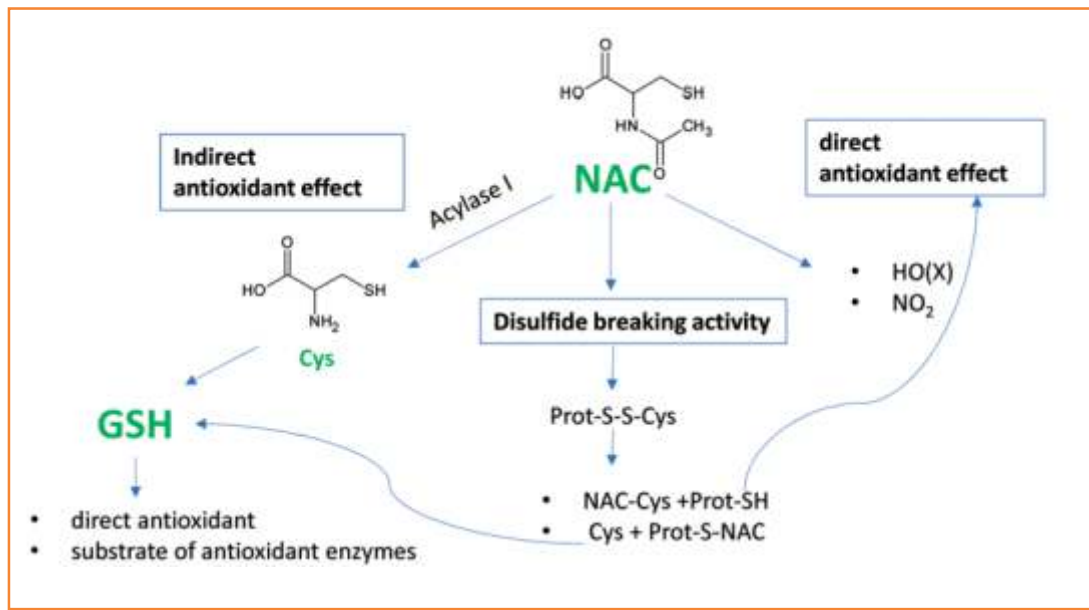
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Aphyren-N

Acetylcysteine 600 mg and Acebrophylline 100 mg Tablets

1. NAC (N-acetylcysteine)

Dissolves the dense secretion, relieves the excretion- prevents the formation of new infections
 – antioxidant – eliminates free radicals

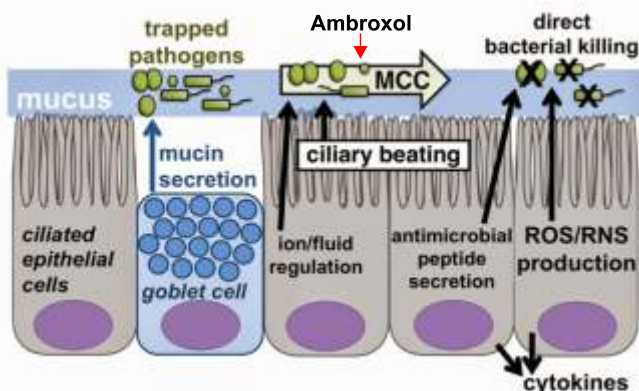


2. Acebrophylline (Ambroxol + Theophylline-7-Acetate),

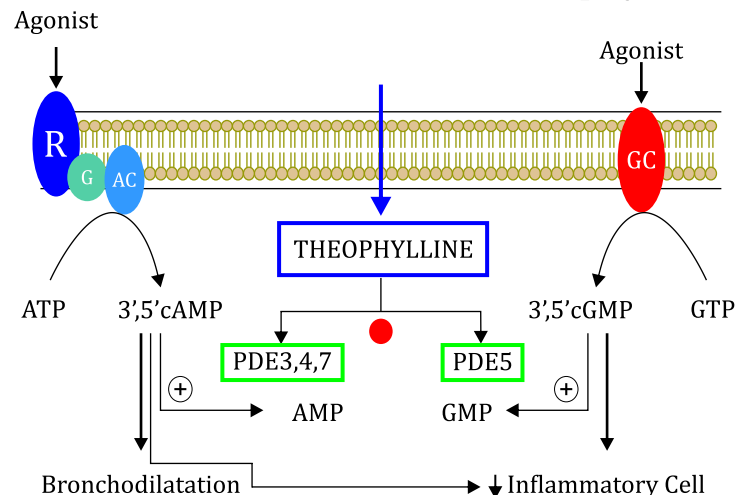
- Theophylline, is used as a bronchodilator for the treatment of bronchial asthma and COPD in adults. It inhibits intracellular phosphodiesterase and facilitates bronchial muscles relaxation by increasing cAMP levels.
- Ambroxol modifies mucus secretion by lowering viscosity of 'gel' phase, increasing 'sol' phase and increases mucociliary clearance by augmenting ciliary motility.

Acebrophylline

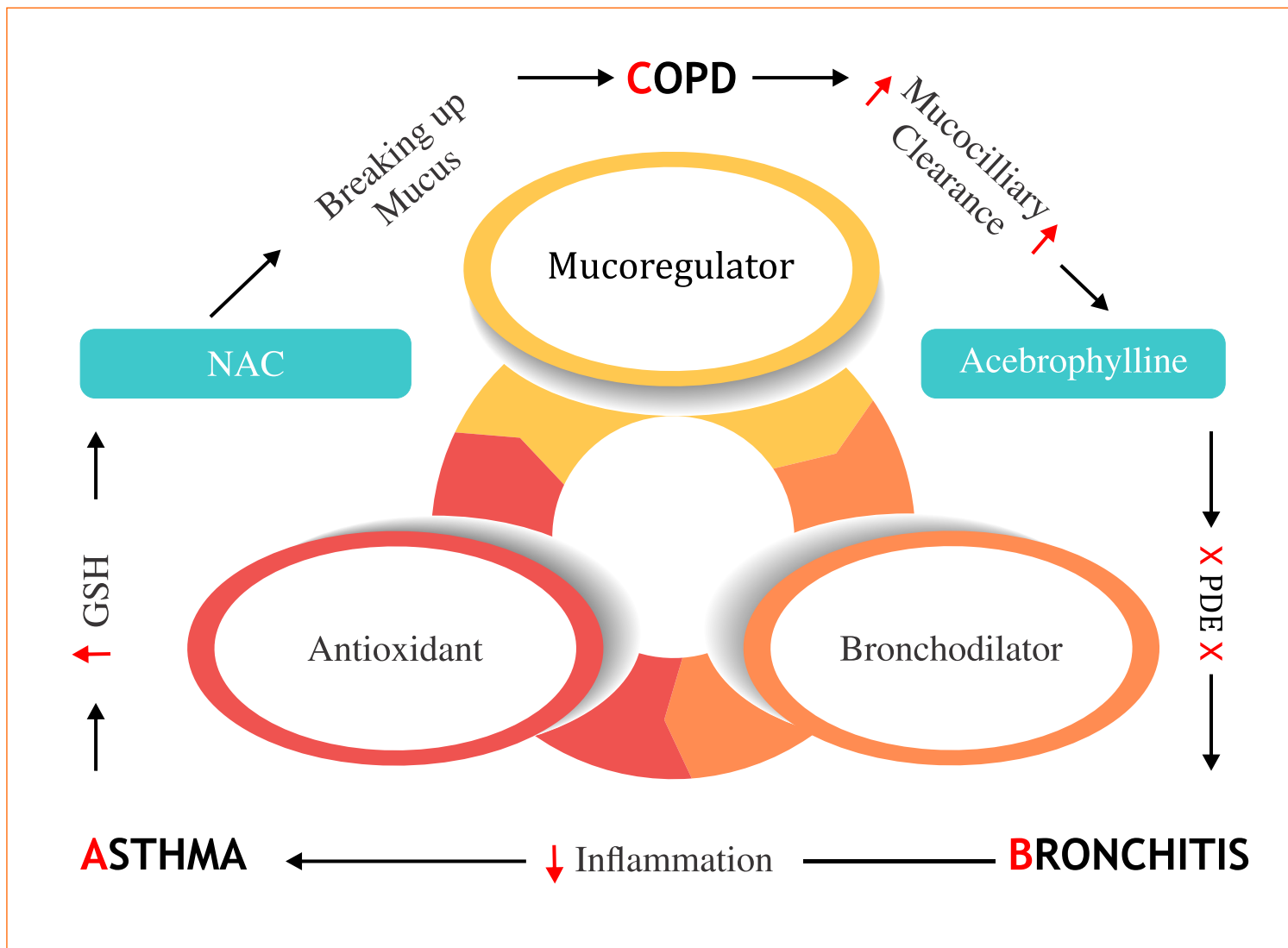
Ambroxol



Theophylline



Profound Effect of Mucus Clearance: APHYREN-N



ACEBROPHYLLINE Clinical Advantages:

- 1) It increases the synthesis of PULMONARY SURFACTANT and facilitates non-ciliary mucus clearance
- 2) Its BRONCHODILATOR effect significantly improves lung function & improves partial pressure of oxygen
- 3) Acebrophylline was found to be superior compared to Theophylline in mild persistent asthma

N-ACETYLCYSTEINE(NAC) Clinical Advantages:

- The addition of N-acetylcysteine resulted in a significant reduction in the number of exacerbations and hospital admissions in the patients of moderate to severe COPD along with an improvement in lung function parameters.
- In fibrosing alveolitis (FA) high-dose NAC significantly improved the
 - Antioxidant screen of the lungs by elevating GSH levels.
 - The decrease of Met(O) levels indicated an antioxidant effect
 - PFTs significantly improved

Aphyren-N

Acetylcysteine 600 mg and Acebrophylline 100 mg Tablets

Description:

Aphyren-N Tablets is a combination drugs which may be used to treat blockage, swelling, chest congestion, and irritation associated with conditions such as Chronic obstructive pulmonary diseases, emphysema, bronchitis, etc.

Composition:

Each film coated tablet contains:

Acebrophylline.....100 mg

Acetylcysteine..... 600 mg

Indication:

- Chronic bronchopulmonary disease (chronic emphysema)
- Acute bronchopulmonary disease (pneumonia, bronchitis, tracheobronchitis)
- Pulmonary complications of cystic fibrosis
- Atelectasis due to mucus obstruction
- Chronic obstructive pulmonary disease
- Bronchial asthma

Mechanism of action:

- Acebrophylline is a compound which has been found to act as a bronchodilating, mucoregulating and anti-inflammatory drug due to its components theophylline-7-acetate and ambroxol.
- N-acetyl cysteine (NAC), an antioxidant containing thiol groups, is a form of amino-acid cysteine, which is widely used as mucolytic agent.
- The viscosity of pulmonary mucus secretions depends on the concentrations of mucoprotein. The latter increases with increasing purulence owing to the presence of cellular debris. The mucolytic action of acetylcysteine is related to the sulphhydryl group in the molecule. This group “opens” disulphide linkages in the mucus, thereby lowering the viscosity.

Dosage and Administration:

As recommended by healthcare professionals.

Storage:

Store in a dry place at room temperature not exceeding 30°C

Packaging:

Aphyren-N is supplied as a alu-alu strip of 10 tablets.



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