

Pneumoxytol[®]

PNEUMOXYTOL[®] is a dietary supplement with sweetener, based on Myo-Inositol, N-Acetyl-L-Cysteine, and Alpha-Lactalbumin, useful to provide an additional intake of these nutrients in case of reduced dietary intake or increased physiological needs.

What is the physiological role of the components present in PNEUMOXYTOL[®] sachets?

Myo-Inositol is a molecule naturally produced by our body and involved in the biological mechanisms of several organs. Myo-inositol is a component of the pulmonary surfactant, which, together with other phospholipids, reduces alveolar surface tension, helping to maintain proper breathing and supporting the repair of damaged alveolar epithelium. Scientific evidence has shown that myo-inositol may contribute to maintaining the physiological conditions of the mucous membranes and tissues of the respiratory system, supporting the body even in the presence of functional alterations associated with lung diseases. Several studies in the scientific literature highlight the potential role of myo-inositol in supporting respiratory function in preterm infants, particularly regarding the physiological mechanisms involved in respiratory distress syndrome. Furthermore, it has been observed that it may help modulate the release of pro-inflammatory cytokines, improving respiratory system physiology and confirming the safety profile of its use.

N-Acetylcysteine supports the function and wellbeing of the respiratory tract in individuals characterized by increased production of thick and viscous mucus. Scientific studies have shown that, due to its ability to break disulfide bonds in mucoproteins and the presence of a free thiol group, which can interact with the bonds responsible for mucoprotein aggregation, N-acetylcysteine may help support the fluidity of bronchial secretions, promoting mucus clearance and reducing the risk of exacerbations. A recent study highlighted that, in patients with idiopathic pulmonary fibrosis, there is an alteration in myo-inositol metabolism, characterized by a reduction of the enzymes responsible for its synthesis and an increase in those involved in its degradation, such as myo-inositol oxygenase (MIOX). N-acetylcysteine is able to reduce the expression of MIOX, thereby helping to restore the balance of myo-inositol metabolism and supporting its physiological activity in the lungs.

Alpha-Lactalbumin is a milk serum protein capable of enhancing intestinal absorption of various substances, including myo-inositol. Scientific studies have shown that this property can be useful in individuals with impaired intestinal absorption, highlighting that alpha-lactalbumin participates in trophic and mucoprotective intestinal processes, making its presence in the body important for maintaining normal physiological functions.

How should PNEUMOXYTOL® sachets be taken?

It is recommended to take 1 sachet per day, dissolved in a glass of water (200 ml).

Composition of PNEUMOXYTOL®

Myo-Inositol, N-Acetyl-L-Cysteine, and Alpha-Lactalbumin. For the full list of ingredients, please refer to the label.

Composition of PNEUMOXYTOL®

30 sachets.

WARNINGS

Dietary supplements should not be considered a substitute for a varied and balanced diet and a healthy lifestyle. Do not exceed the recommended daily dose. Keep out of reach of children under three years of age. Do not administer to children under three years old. It contains milk proteins. Contains erythritol; excessive consumption may have a laxative effect. Store in a cool, dry place, away from light and heat sources. The expiration date refers to the product properly stored in its intact packaging.



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