PULMO*strong*™

RESPIRATORY HEALTH

- ✓ Quercetin derived from Sophora Japonica plant
- ✓ Ursolic acid derived from Rosemary leaves
- ✓ L-Ascorbic Acid (Vitamin C)

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INTRODUCTION

Respiratory health issues impose an immense worldwide health burden. This has posed an enormous quantitative and qualitative challenge for the healthcare facilities. In the various scientific citations, the impact of SARS-CoV-2 on upper respiratory organs and lower respiratory organs has been reiterated time and again.
This impact has made it imperative to study and develop suitable solutions that focus on supporting respiratory health and function.

Our insight into the working mechanism of phytochemicals developed over our long experience of 17 years and research has inspired us to propose a novel combination of nutraceuticals.
CHERESO, an innovative nutraceuticals manufacturing company, holding 21 international patents and 26 trademarks, has developed an innovative blend of powerful ingredients under the brand name '**PULMO*strong*™**', which addresses the increasing fragility of the whole respiratory system. It supports healthy respiratory function & stronger immunity. Clinical study on **PULMO*strong*™** has already been initiated at a prestigious Government Research Institute.

The ingredients of **PULMO*strong*™** are:

1. Quercetin derived from Sophora Japonica plant
2. Ursolic acid derived from Rosemary leaves
3. L-Ascorbic Acid (Vitamin C)

The literature available about the three ingredients has been briefly summarized below.

QUERCETIN- FOR UPPER RESPIRATORY FUNCTION

Quercetin is a pigment that belongs to a group of plant compounds called flavonoids. Quercetin (Nomenclature:- 3,3′,4′5,7-pentahydroxyflavone) is a widely distributed plant flavonoid, found in several vegetables, leaves, seeds, and grains, where it is conjugated with residual sugars to form quercetin glycosides. It's one of the most abundant antioxidants in the diet and plays an important role in helping your body combat free radical damage. In addition, its antioxidant properties optimize the immune system, maintain normal blood pressure and helps with seasonal allergies.
Quercetin is known for its role in attenuating allergic reactivity. Quercetin has also been reported to influence immune function.

Quercetin is also known for its support in seasonal allergies caused either by interaction of environmental or genetic factors. These allergies mainly include respiratory, skin and food allergies.

URSOLIC ACID (ROSEMARY EXTRACT) - FOR LOWER RESPIRATORY FUNCTION

Rosemary has phenolic diterpenes including: carnosic acid, carnosol or rosmanol; flavonoids such as genkwanin, cirsimaritin or homoplantaginin; and triterpenes such as ursolic acid.
One of the active ingredients in rosemary leaves is ursolic acid. Ursolic acid is a pentacyclic triterpene complex that can be isolated from a variety of plants and fruits.
Ursolic acid has a variety of health-promoting properties, which promote immunity, support respiratory health & function.

VITAMIN-C – L-ABSCORBIC ACID

Vitamin C is an essential micronutrient for humans, with pleiotropic functions related to its ability to donate electrons. It is a potent antioxidant and a cofactor for a family of biosynthetic and gene regulatory enzymes.

Vitamin C is a highly effective antioxidant, due to its ability to readily donate electrons, thus protecting important biomolecules (proteins, lipids, carbohydrates, and nucleic acids) from damage by oxidants generated during normal cell metabolism and through exposure to toxins and pollutants.

Vitamin C helps to increase the absorption of Quercetin.

Taken together, the review of the literature evidences that these three ingredients constitute the platform for their use as potential supplement for the promotion of immunity, supporting respiratory health and function.

Reference

https://www.who.int/gard/publications/The_Global_Impact_of_Respiratory_Disease.pdf
https://www.sciencedirect.com/topics/neuroscience/quercetin
https://europepmc.org/article/pmc/pmc7128946

The statements made above have not been evaluated by FDA to diagnose, treat, cure or prevent diseases.