Wobenzym® Plus

Systemic Enzymes for Immune and Joint Support†

DESCRIPTION

Douglas Laboratories, a leading provider of dietary supplements, is proud to offer its newest systemic enzyme supplement called Wobenzym® Plus. This clinically researched formula is the most potent Wobenzym yet with its increased activity compared to Wobenzym N and the more convenient 4-tablet-a-day dose, which means fewer pills to consume than other Wobenzym formulations. Wobenzym Plus is offered in the form of enteric-coated tablets and provides a specific formulation of proteolytic enzymes to the body to help maintain healthy joint function, optimal immune health, temporary relief of everyday aches, pains, and muscle soreness, and support of fast recovery following exertion.†

Mucos Pharma has been making Wobenzym in Germancy since the 1960's. Mucos has been dedicated to clinical research over the past 50+ years and has conducted over 200 clinical trials on Wobenzym®. No other health supplement brand can look back on such an illustrious scientific heritage.

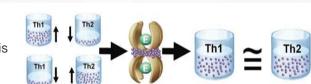
FUNCTIONS

Developed by leading scientists and used by millions of people worldwide, the family of Wobenzym® products has proven to be safe and useful for overall immune support. In addition, Wobenzym has numerous clinical studies that link its use to maintaining optimal joint health. In the human body, hundreds of chemical reactions occur during the course of normal metabolic processes. Many chemical reactions require significant energy in order to take place, and therefore need a catalyst to allow the reaction to proceed. The catalyst acts to lower the energy needed for the reaction to move forward. In the body, enzymes play the role of the catalyst and allow reactions to take place that otherwise would not occur. The enzyme itself is not consumed in this process and can be utilized again and again. Enzymes are relatively unique to each reaction and different enzymes will catalyze different reactions. Structurally, enzymes are complex molecules that are comprised of amino acid chains and can sometimes include co-factors which assist the enzyme in the chemical reaction. Some enzymes are sensitive to changes in pH and temperature and can be destroyed if exposed to less than ideal conditions.

Wobenzym® Plus is a systemic enzyme formulation that contains a unique blend of enzymes from both plants and animals that haves been clinically studied for supporting numerous regulatory processes in the body.† Systemic enzyme supplements work directly in the body after they are absorbed in the small intestine, and are not intended to aid in digestion. Consequently, these enzymes can be utilized to assist the body's various regulatory and communications systems.† After the enzymes are absorbed, protease molecules can bind with

molecules found within the blood including α -2-macroglobulin, resulting in the formulation of an α -2-macroglobulin-protease complex. This newly formed complex alters the molecular configuration

of the α -2-macroglobulin molecule which results in a change in its affinity to bind certain cytokines. Once a cytokine is bound to the protease, the entire complex is able to be eliminated from the body, allowing normal cytokine balance and immune function to be maintained.



Wobenzym® Plus can help support healthy joints and muscles, and support the immune system as well as normal wound healing processes†. Wobenzym® Plus tablets are enteric coated to ensure that the enzymes are protected and are not broken down in the stomach. This allows the enzymes to reach the small intestine where absorption can occur.

Wobenzym® Plus

Systemic Enzymes for Immune and Joint Support†

INDICATIONS

Wobenzym® Plus may be a useful dietary supplement for individuals wishing to support healthy joint, immune and circulatory function.

FORMULA (#201910)

2 Enteric Coated Tablets Contain:	
Bromelain	270 mg (1350 FIP units*)
(from Ananas comosus pineapple stem)	
Trypsin	144 mg (4320 FIP units*)
(from porcine or bovine pancreas)	
Rutoside trihydrate (Rutin)	300 mg
(from Styphnolobium japonicum flower bud)	

Other ingredients: microcrystalline cellulose, calcium phosphate, hydroxypropyl cellulose, vegetable stearate, enteric coating (sodium alginate, medium chain triglycerides, ethylcellulose, stearic acid, oleic acid, and purified water)

* FIP is the measurement of enzyme activity according to the methods of the International Pharmaceutical Federation.

SUGGESTED USE

Adults take 2 tablets with water twice daily at least 45 minutes before meals, or as directed by a healthcare professional.

SIDE EFFECTS

Warning: If you are pregnant or breastfeeding, suffering from bleeding disorders or ulcers/lesions, or if you are taking anticoagulant/blood thinning drugs (such as Warfarin), anti-inflammatory or antibiotic medication, or about to have surgery, consult a healthcare professional before using this product.

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

REFERENCES

Biziulevicius GA. Where do the immunostimulatory effects of oral proteolytic enzymes ('systemic enzyme therapy') come from? Microbial proteolysis as a possible starting point. Med Hypotheses. 2006;67(6):1386-8.

Klein G, Kullich W, Schnitker J, Schwann H. Efficacy and tolerance of an oral enzyme combination in painful osteoarthritis of the hip. A double-blind, randomised study comparing oral enzymes with non-steroidal anti-inflammatory drugs. Clin Exp Rheumatol. 2006 Jan-Feb;24(1):25-30.

Akhtar NM, Naseer R, Farooqi AZ, Aziz W, Nazir M. Oral enzyme combination versus diclofenac in the treatment of osteoarthritis of the knee--a double-blind prospective randomized study. Clin Rheumatol. 2004 Oct;23(5):410-5.

Kamenícek V, Holán P, Franěk P. [Systemic enzyme therapy in the treatment and prevention of post-traumatic and postoperative swelling] [Article in Czech] Acta Chir Orthop Traumatol Cech. 2001;68(1):45-9.

Shahid SK, Turakhia NH, Kundra M, Shanbag P, Daftary GV, Schiess W. Efficacy and safety of phlogenzym--a protease formulation, in sepsis in children. J Assoc Physicians India. 2002 Apr;50:527-31.

Wobenzym® Plus

Systemic Enzymes for Immune and Joint Support†

Singer F; Singer C; Oberleitner H. Phlogenzym® versus diclofenac in the treatment of activated osteoarthritis of the knee. A double-blind prospective randomized study. International Journal of Immunotherapy.2001:17,(2-4): 135-141

Tilwe GH, Beria S, Turakhia NH, Daftary GV, Schiess W. Efficacy and tolerability of oral enzyme therapy as compared to diclofenac in active osteoarthrosis of knee joint: an open randomized controlled clinical trial. J Assoc Physicians India. 2001 Jun;49:617-21.

Wittenborg A, Bock PR, Hanisch J, Saller R, Schneider B. [Comparative epidemiological study in patients with rheumatic diseases illustrated in a example of a treatment with non-steroidal anti- inflammatory drugs versus an oral enzyme combination preparation] [Article in German] Arzneimittelforschung. 2000 Aug;50(8):728-38

For more information on Wobenzym® Plus visit douglaslabs.com or wobenzym.com

† These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

Manufactured by Douglas Laboratories 600 Boyce Road Pittsburgh, PA 15205 800-245-4440 douglaslabs.com



3

You trust Douglas Laboratories.
Your patients trust you.

© 2014 Douglas Laboratories. All Rights Reserved