**DOUGLAS LABORATORIES®** 

# Wobenzym® N

### DESCRIPTION

Douglas Laboratories®, a leading provider of dietary supplements, is proud to offer the authentic German formula of Wobenzym® N. This well known enzyme preparation is designed to promote healthy joints and muscles, support healthy circulation, strengthen the immune system, and support healthy aging, †

### **FUNCTIONS**

For over 60 years, Wobenzym® has been a trusted name for enzyme supplementation. Developed by leading scientists and used by millions of people worldwide, Wobenzym® N has proven to be a safe and useful product.

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® N is a systemic enzyme formulation that contains enzymes from both plants and animals that haves been clinically studied for supporting numerous processes in the body. Systemic enzyme supplements work directly in the body once 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. Wobenzym® N can help to support healthy joints and muscles, support healthy circulation, support the immune system, and also can help support processes that are involved in healthy aging.† Wobenzym® N 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 may occur.

### **INDICATIONS**

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

#### FORMULA (#201213)

3 Tablete Contain:

5 Tablets Contain.	
Pancreatin** 56,000 USP units protease (pancreas)	300 mg†
Sus scrofa	
Papain** 492 FIP-units*** Carica papaya	
Bromelain** 675 FIP-units Ananas comosus	135 mg†
Trypsin** 2,160 FIP-units (pancreas)	72 mg†
Sus scrofa and/or Bos taurus	
Chymotrypsin** 900 FIP-units (pancreas) Bos taurus	
Rutoside trihydrate** (Rutin) Sophora japonica	150 mg†

### SUGGESTED USE

Adults take 3 tablets, two times daily, at least 45 minutes before meals or as directed by physician.

# Wobenzym® N

### SIDE EFFECTS

Warning: If you are pregnant or breast feeding, suffer from bleeding disorders or liver damage, or if you are taking anticoagulants drugs (such as warfarin), 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. Epub 2006 Jul 25.

Fediv OI. [Effects of wobenzyme on the blood proteinase- inhibitory system in elderly and senile patients with gastric and duodenal peptic ulcers] [Article in Ukrainian] Lik Sprava. 2001 May-Jun;(3):130-5 Dusková M, Wald M. Orally administered proteases in aesthetic surgery. Aesthetic Plast Surg. 1999 Jan-Feb;23(1):41-4.

Hoernecke R, Doenicke A. [Perioperative enzyme therapy. A significant supplement to postoperative pain therapy?]

[Article in German]Anaesthesist. 1993 Dec;42(12):856-61

Nouza K. [Systemic enzyme therapy in diseases of the vascular system] [Article in Czech] Bratisl Lek Listy. 1995 Oct;96(10):566-9.

### For more information visit douglaslabs.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



You trust Douglas Laboratories.
Your patients trust you.

© 2012 Douglas Laboratories. All Rights Reserved