

Nattosyn

A Combination of Nattokinase, Hesperidin Methyl Chalcone, and Pomegranate Extract

DESCRIPTION

Nattosyn capsules, provided by Douglas Laboratories, contain a synergistic combination of nattokinase, hesperidin methyl chalcone and pomegranate extract, designed to provide comprehensive support for circulatory health.

FUNCTIONS

Nattosyn combines three unique vascular supportive ingredients in one product. Since healthy circulation is an integral part of maintaining proper cardiovascular health, it is important to include nutrients that support the functioning of a healthy circulatory system, including healthy blood flow. **NattoKinase – Support for Healthy Blood Flow**† Traditionally, Asian cultures have incorporated significant amounts of soy products in their diets. One such product, natto, is a type of vegetable cheese that is produced from the fermentation of soy with a non-pathogenic bacterium, *Bacillus natto*. The enzyme produced from this fermentation process, known as nattokinase, has been widely studied for its use in cardiovascular and circulatory health. Nattokinase is a serine endopeptidase consisting of 275 amino acids. Laboratory studies indicate that nattokinase possesses stronger fibrinolytic activity than other known enzymes. Fibrinolysis is a normal biological process and an important part of an organism’s ability to heal wounds and regulate blood clotting. Proper regulation of fibrinolysis can help maintain a healthy flow of blood through the vascular system and ensure that the body’s major organs are continually supplied by oxygen, nutrients and other necessary products for complete health.† Nattokinase is water-soluble and does not need to be enteric coated in order to survive passage through the stomach. The nattokinase used in this formulation was developed to be free of vitamin K.

Hesperidin Methyl Chalcone – Supports Healthy Veins† Hesperidin methyl chalcone is a methylated derivative of the flavonoid hesperidin. Hesperidin methyl chalcone supports and protects the integrity of the vascular system with particular activity in the capillaries and veins.† Hesperidin methyl chalcone has been shown to help support proper capillary resistance and permeability.† Venous motility, tone, and proper vessel dilation are also supported by hesperidin methyl chalcone.

Pomegranate – Supports Cardiovascular Health† Recent science has been focusing on the cardioprotective aspects of pomegranate. Research has shown that supplementation with pomegranate juice can decrease macrophage lipid accumulation, and cellular cholesterol accumulation in mice. Recently, research in humans has confirmed a beneficial effect of consuming pomegranate juice on parameters such as LDL oxidation, blood pressure, and blood vessel health.

INDICATIONS

Nattosyn may be a useful dietary supplement for individuals wishing to support proper circulation and vascular function.

FORMULA (#99250)

Each vegetarian capsule contains:

Nattokinase (NSK-SD™) 50 mg
(1,000 FU)

Hesperidin methyl chalcone 100 mg

Standardized Pomengranate Extract (fruit) 50 mg
(standardized to 40% ellagic acid)

NSK-SD™ is a registered trademark of Japan BioScience Laboratories

Nattosyn

A Combination of Nattokinase, Hesperidin Methyl Chalcone, and Pomegranate Extract

SUGGESTED USE

Adults take 2 capsules daily with meals or as directed by physician.

WARNINGS/ SIDE EFFECTS

Do not use if you are pregnant or breast feeding, if you are taking anticoagulant drugs (such as Warfarin) or other medications that effect blood clotting, or if you are at risk for any bleeding disorder. Supplied in bottles of 90 capsules.

SIDE EFFECTS

No adverse side effects have been reported.

STORAGE

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

REFERENCES

Aviram M, Rosenblat M, Gaitini D, Nitecki S, Hoffman A, Dornfeld L, Volkova N, Presser D, Attias J, Liker H, Hayek T. Pomegranate juice consumption for 3 years by patients with carotid artery stenosis reduces common carotid intima-media thickness, blood pressure and LDL oxidation. *Clin Nutr.* 2004. 23:423-433.

Bouskela E, Cyrino FZGA, Marcelon G, et al. Inhibitory effect of the Ruscus Extract and of the flavonoid hesperidin methylchalcone on increased microvascular permeability. *J Cardiovasc Pharmacol* 1993;22:225-230.

Rudofsky G. [Improving venous tone and capillary sealing. Effect of a combination of Ruscus extract and hesperidine methyl chalcone in healthy probands in heat stress]. *Fortschr Med* 1989;107:55-8.

Suzuki Y, Kondo K, Matsumoto Y, Zhao BQ, Otsuguro K, Maeda T, Tsukamoto Y, Urano T, Umemura K. Dietary supplementation of fermented soybean, natto, suppresses intimal thickening and modulates the lysis of mural thrombi after endothelial injury in rat femoral artery. *Life Sci.* 2003 Jul 25;73(10):1289-98.

Sumi H, Hamada H, Nakanishi K, Hiratani H. Enhancement of the fibrinolytic activity in plasma by oral administration of nattokinase. *Acta Haematol.* 1990;84(3):139-43.

Sumi H, Hamada H, Tsushima H, Mihara H, Muraki H. A novel fibrinolytic enzyme (nattokinase) in the vegetable cheese Natto; a typical and popular soybean food in the Japanese diet. *Experientia.* 1987 Oct 15;43(10):1110-1.

For more information on Nattosyn 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.**