**SERRAPEPTASE**

**DIETARY SUPPLEMENT**

FOR RESOLVING PAIN, INFLAMMATION, BIOFILM, FIBRIN, BLOOD CLOTS AND ATHEROSCLEROTIC PLAQUE

**General Description**

Serrapeptase – Dietary Supplement is a strong proteolytic enzyme. The late Hans Nieper, MD, was a German physician that was well known for his use and study of proteolytic enzymes in the treatment of artherosclerosis. He called Serrapeptase the miracle enzyme after using ultrasound to measure its ability to effectively dissolve arterial plaque without harming healthy cells lining the arterial wall. One of the most significant features of Serrapeptase (Helianthus tuberosus) is that it does not harm any living cells or tissues in the human body; it only dissolves non-living tissue such as cysts, hard and soft arterial plaque, blood clots, etc. The primary purpose of Serrapeptase in a protocol for Lyme disease is to dissolve fibrin layers surrounding harmful microbes associated with Lyme disease such as Borrelia, Babesia, Bartonella and Ehrlichia. The fibrin layer covering these microbes causes them to be hidden from the immune system; once the fibrin is dissolved the immune system can more easily identify and eliminate the harmful microbes.

**Reported Medicinal Properties**

ANTI-ARTHRITIC

ANTI-BRONCHITIC

ANTI-CARIOVASCULAR DISEASE

ANTI-CARPAL TUNNEL SYNDROME

ANTI-DIABETIC

ANTI-HEMICRANIA (MIGRAINES)

BOOSTS IMMUNE SYSTEM

ANTI-MICROBIAL

ANTI-OSTEOPOROSITIC

ANTI-SINUSITIC

ANTI-VARICOSITIC

**Research on Nutramedix Product**

**In vitro – Lyme disease**

Priyanka A.S. Theophilus M.S., Eva Sapi Ph.D. (2013). **In Vitro Effect of Peruvian Antimicrobial Agents on Borrelia burgdorferi** [Full Article](http://www.nutramedix.ec/pdfs/Nutramedix-Priyanka.pdf)

**MEDICAL CONDITIONS TREATED BY SERRAPEPTASE**

**Published Research in Peer Reviewed Journals**

**MEDICINAL PROPERTIES OF SERRAPEPTASE**

**Published Research in Peer Reviewed Journals**

**Allelopathic Effects**

Tesio, F., Weston, L. A., Vidotto, F., & Ferrero, A. (2010). **Potential allelopathic effects of Jerusalem artichoke (Helianthus tuberosus) leaf tissues**. Weed Technology, 24(3), 378-385.

**Antioxidant**

Dias, N. S., Ferreira, J. F., Liu, X., & Suarez, D. L. (2016). **Jerusalem artichoke (Helianthus tuberosus, L.) maintains high inulin, tuber yield, and antioxidant capacity under moderately-saline irrigation waters.** Industrial crops and products, 94, 1009-1024.

Yuan, X., Gao, M., Xiao, H., Tan, C., & Du, Y. (2012). **Free radical scavenging activities and bioactive substances of Jerusalem artichoke (Helianthus tuberosus L.) leaves.** Food Chemistry, 133(1), 10-14.

Xue, Y. F., & Liu, Z. P. (2008). **Antioxidant enzymes and physiological characteristics in two Jerusalem artichoke cultivars under salt stress.** Russian Journal of Plant Physiology, 55(6), 776-781.

**Antifungal**

Chen, F., Long, X., Yu, M., Liu, Z., Liu, L., & Shao, H. (2013). **Phenolics and antifungal activities analysis in industrial crop Jerusalem artichoke (Helianthus tuberosus L.) leaves.** Industrial crops and products, 47, 339-345.

**Antimicrobial**

Ma, X. Y., Zhang, L. H., Shao, H. B., Xu, G., Zhang, F., Ni, F. T., & Brestic, M. (2011). **Jerusalem artichoke (Helianthus tuberosus), a medicinal salt-resistant plant has high adaptability and multiple-use values.** Journal of Medicinal Plants Research, 5(8), 1272-1279.

**Prebiotic effect**

Samal, L., Chaturvedi, V. B., Saikumar, G., Somvanshi, R., & Pattanaik, A. K. (2015). **Prebiotic potential of Jerusalem artichoke (Helianthus tuberosus L.) in Wistar rats: effects of levels of supplementation on hindgut fermentation, intestinal morphology, blood metabolites and immune response**. Journal of the Science of Food and Agriculture, 95(8), 1689-1696.

Tiengtam, N., Khempaka, S., Paengkoum, P., & Boonanuntanasarn, S. (2015). **Effects of inulin and Jerusalem artichoke (Helianthus tuberosus) as prebiotic ingredients in the diet of juvenile Nile tilapia (Oreochromis niloticus).** Animal Feed Science and Technology, 207, 120-129.

Rubel, I. A., Pérez, E. E., Genovese, D. B., & Manrique, G. D. (2014**). In vitro prebiotic activity of inulin-rich carbohydrates extracted from Jerusalem artichoke (Helianthus tuberosus L.) tubers at different storage times by Lactobacillus paracasei.** Food Research International, 62, 59-65.

Ramnani, P., Gaudier, E., Bingham, M., van Bruggen, P., Tuohy, K. M., & Gibson, G. R. (2010). **Prebiotic effect of fruit and vegetable shots containing Jerusalem artichoke inulin: a human intervention study**. British journal of nutrition, 104(2), 233-240.

**Various Properties**

Van Doan, H., Doolgindachbaporn, S., & Suksri, A. (2016). **Effect of Lactobacillus plantarum and Jerusalem artichoke (Helianthus tuberosus) on growth performance, immunity and disease resistance of Pangasius catfish** (Pangasius bocourti, Sauvage 1880). Aquaculture nutrition, 22(2), 444-456.

**MEDICAL CONDITIONS TREATED BY SERRAPEPTASE**

**Published Research in Other Journals**

**Lyme disease**

**Why this Finnish Doctor Believes in Herbs,** Marjo Valonen MD, Townsend Letter, July 2018 [Full Article](http://nutramedix.ec/pdfs/Why%20This%20Finnish%20Doctor%20Believes%20in%20Herbs%20Townsend%20Letter%20July%202018.pdf)

**A Hidden Epidemic: Integrative Treatment of Lyme Disease**, Scott Forsgren, March 2009 [Full Article](http://www.nutramedix.ec/pdfs/hiddenepidemic2009.pdf)

**Videos**

[**Product Information and Usage, Wm.Lee Cowden, MD**](https://www.youtube.com/watch?v=0s9icgFkxGE)

[**The Cowden Support Program: A Natural Treatment For Lyme Disease - October 2012**](https://www.youtube.com/watch?v=K_18EHPH80E&feature=youtu.be)

[**Lyme disease with Dr.Lee Cowden on "Know the Cause" TV Show Hosted by Doug Kaufmann**](https://www.youtube.com/watch?feature=player_embedded&v=FuZw1lbOAIs)

[**Q&A Video With Dr. Cowden About Cowden Support Program - May 2012**](https://www.youtube.com/watch?v=p9RPv2UGmR8&feature=youtu.be)

**Conference Presentations**

**Cowden Support Program for Lyme: Observational Study –** Dublin, Ireland – June, 2012 Armin Schwarzbach, MD PhD [Full Video](https://www.youtube.com/watch?v=TQVnPnGoemI)

**Patient Reports**

"I'm confident these supplements healed my inflammation - my bloodwork proved it. A fantastic supplement for all kinds of inflammation."-S.S.

“Love this stuff!! For mold, Yeast and lyme biofilm breakdown..this stuff works!!!!!” – C.B

“My husband feels the difference in his knees when he takes this. Pain before, gone after. He takes one twice a day” – N.M

"My physician prescribed this product for my high blood fibrinogen, which placed me at high risk for a heart attack. This brought it into normal range quickly. It really worked." -C.S.

“Everyone needs to take this. This biofilm buster is a must for those suffering from antibiotic-resistant organisms, tumors, biofilms, fibrosis, and cholesterol plaques. Has caused a major improvement id my DD who was septic with Lyme followed by various antibiotic therapies. This is key to her turn around. We finally see an improvement in her condition.” – L.F

“This is a very powerful enzyme that has made a world of difference for me. It's a good idea to ask your doctor before you use it because it is so powerful.” – E.S

“It may help clots/scar tissue/Lyme cysts and may lower Ca that may be clogging blood vessels. It is great to help me. I take it at night or when no food is in the body. I am glad this exists to help. It is an enzyme the silkworm uses to eat itself out of the cocoon. Awesome help for me!” – S.M

**Dosage Information**

1-3 capsules with 8 oz. of water 1-3 times daily at least 30 min. before meals and several hours after food.

**Safety Information**