

Furoidon Resources



The Sisel product is named FuCoyDan

Item is furoidon.

The National Medical Library Online has over 1,000 studies listed on furoidon.

- You can access this information at: <http://PubMed.gov>

- On the site, in the Search Box - Type: furoidon

Furoidon is literally a Miracle Nutrient found in the sea vegetation plant: Limu Moui. When taken as a supplement in sufficient quantity, purity & strength by a person inflicted with cancer - furoidon has the amazing ability to locate and destroy the biological precursors that sustain cancer cells in the body - resulting in the apoptosis (death) of the cancer cells.

This has been demonstrated over and over in hundreds of scientific studies - which also have positively indicated that there are no known adverse reactions or side effects in the body from taking furoidon supplements. These facts are also documented on Sloan Kettering's web site.

Keep this important information in mind if you or anyone you know of has cancer

Furoidon has also been identified as the most powerful naturally occurring nutrient to help reduce inflammation in the body. My own personal experience on SISEL's Patented furoidon supplement - **FuCoyDon** - has been extremely impressive to both me and my doctor - it has helped with my PSA Score from nearly 4.0 down to 1.9 and has helped to maintain my Prostate Gland in an excellent state of health.

Another amazing property of furoidon is that it is the single most potent naturally occurring stem cell growth stimulator ever discovered - a most unique property that enables it, when taken as a supplement - to aid the body in repairing cellular damage and expedite recovery from injuries.

SISEL's **FuCoyDon** - manufactured with over 20 exclusive and patented formulation processes is by far the Purest, the Highest Strength and Most Highly Effective Furoidon Supplement available.

Here is more specific information on the nutrient Furoidon from the leading cancer treatment center in the world - Memorial Sloan Kettering Hospital in New York City:

The following information was obtained from the official web site of Memorial Sloan Kettering Hospital in New York City, New York
Sloan Kettering Web Site: <http://www.mskcc.org/mskcc/html/69227.cfm>

Fuoidan

Clinical Summary

Fuoidan is a sulfated polysaccharide found in the cell walls of many species of Brown seaweed. Preliminary data show that fuoidan has antitumor and antiangiogenic ⁽²⁾ ⁽³⁾ ⁽⁴⁾ ⁽⁵⁾ ⁽⁶⁾ ⁽⁷⁾ effects in vitro. These effects are brought about by stimulating natural killer cells and by down regulating AP-I involved in cellular proliferation. Fuoidan also exhibited neuroprotective effects ⁽¹¹⁾ ⁽¹²⁾, but human data is lacking. In other studies, fuoidan demonstrated anticoagulant ⁽⁸⁾ ⁽⁹⁾ and antithrombotic ⁽¹⁰⁾ activities, and can have additive effects when taken with anticoagulants.

Food Sources

Several species of Brown seaweed

Purported uses

- Allergies
- Bacterial Infections
- Hypertension
- Immunostimulation
- Inflammation
- Viral infections

Constituents

- Alpha (1, 2) or Alpha (1, 3) 4-O-sulfated-L-fucose
 - Galactose
 - Xylose
 - Glucuronic acid
- ⁽¹⁾

Mechanism of Action

Fuoidan has been shown to inhibit metastasis by preventing adhesion of tumor cells to the extracellular matrix. This is achieved by blocking the fibronectin cell-binding domain, necessary for formation of adhesion complexes ⁽⁴⁾. Fuoidan was also shown to induce apoptosis of human T-cell leukemia virus type I (HTLV-1) that causes Adult T-cell leukemia. It does so by inactivating NF-kB that regulates antiapoptotic proteins. It suppresses AP-I, a transcription factor involved in cellular proliferation and transformation ⁽³⁾. An vitro study showed that Fuoidan can suppress angiogenesis induced by Sarcoma 180 cells in mice ⁽⁵⁾.

Fuoidan has immunomodulating effects and enhanced the activity of NK cells, which play a crucial role in mediating tumor cell death ⁽²⁾. The neuroprotective effects of fuoidan are attributed to its ability to suppress tumor necrosis factor-alpha (TNF-alpha)- and interferon-gamma (IFN-gamma)-induced NO production in C6 glioma cells ⁽¹¹⁾ and to its antioxidative effects ⁽¹²⁾.

Contraindications

Because of its anticoagulant property ⁽⁸⁾ ⁽⁹⁾, fucoidan may have additive effects with anticoagulants such as warfarin and heparin.

Adverse Reactions

No adverse reactions have been reported from use of Fucoidan.

References

1. Giraux JL, Matou S, Bros A, Tapon-Bretondiere J, Letourneur D, Fischer AM. [Modulation of human endothelial cell proliferation and migration by fucoidan and heparin.](#) *Eur J Cell Biol* 1998; 77(4):352-359.
 2. Maruyama H, Tamauchi H, Hashimoto M, Nakano T. [Antitumor activity and immune response of Mekabu fucoidan extracted from Sporophyll of Undaria pinnatifida.](#) *In Vivo* 2003; 17(3):245-249.
 3. Haneji K, Matsuda T, Tomita M et al. [Fucoidan extracted from cladosiphon okamuranus tokida induces apoptosis of human T-cell leukemia virus type 1-infected T-cell lines and primary adult T-cell leukemia cells.](#) *Nutr Cancer* 2005; 52(2):189-201.
 4. Liu JM, Bignon J, Haroun-Bouhedja F et al. [Inhibitory effect of fucoidan on the adhesion of adenocarcinoma cells to fibronectin.](#) *Anticancer Res* 2005; 25(3B):2129-2133.
 5. Koyanagi S, Tanigawa N, Nakagawa H, Soeda S, Shimeno H. [Oversulfation of fucoidan enhances its anti-angiogenic and antitumor activities.](#) *Biochem Pharmacol* 2003; 65(2):173-179.
 6. Alekseyenko TV, Zhanayeva SY, Venediktova AA, et al. [Antitumor and antimetastatic activity of fucoidan, a sulfated polysaccharide isolated from the Okhotsk Sea Fucus evanescens brown alga.](#) *Bull Exp Biol Med.* 2007 Jun;143(6):730-2.
 7. Nagamine T, Hayakawa K, Kusakabe T, et al. [Inhibitory effect of fucoidan on Huh7 hepatoma cells through downregulation of CXCL12.](#) *Nutr Cancer.* 2009;61(3):340-7.
 8. Colliec S, Fischer AM, Tapon-Bretondiere J, et al. [Anticoagulant properties of a fucoidan fraction.](#) *Thromb Res.* 1991 Oct 15;64(2):143-54.
 9. Irhimeh MR, Fitton JH, Lowenthal RM. [Pilot clinical study to evaluate the anticoagulant activity of fucoidan.](#) *Blood Coagul Fibrinolysis.* 2009 Aug 18. [Epub ahead of print]
 10. Church FC, Meade JB, Treanor RE, Whinna HC. [Antithrombin activity of fucoidan. The interaction of fucoidan with heparin cofactor II, antithrombin III, and thrombin.](#) *J Biol Chem.* 1989 Feb 25;264(6):3618-23.
 11. Do H, Pyo S, Sohn EH. [Suppression of iNOS expression by fucoidan is mediated by regulation of p38 MAPK, JAK/STAT, AP-1 and IRF-1, and depends on up-regulation of scavenger receptor B1 expression in TNF-alpha- and IFN-gamma-stimulated C6 glioma cells.](#) *J Nutr Biochem.* 2009 Jul 1. [Epub ahead of print]
- Luo D, Zhang Q, Wang H, et al. [Fucoidan protects against dopaminergic neuron death in vivo and in vitro.](#) *Eur J Pharmacol.* 2009 Sep 1;617(1-3):33-40.