



News You Can Use

Fulvic Acid

If you have never heard of it, you are not alone. But as far as necessary nutrients go, there is none more important and here's why.

Preliminary findings show that the most prominent diseases and health problems of our day have been dramatically affected in positive ways by supplementation or treatment with fulvic acid and other preparations enhanced, extracted, or chelated using fulvic acid.

Scientists working with fulvic acid know that it is an ultramicroscopic substance that has a most unique messaging relay system that is activated when it comes into contact with living organisms. Fulvic acid assists every stage of cellular metabolism and is the most powerful, natural electrolyte known. It restores electrical balance to damaged cells, neutralizes toxins and can eliminate food poisoning within minutes. When it encounters free radicals with unpaired positive or negative electrons, it supplies an equal and opposite charge to neutralize the free radical.

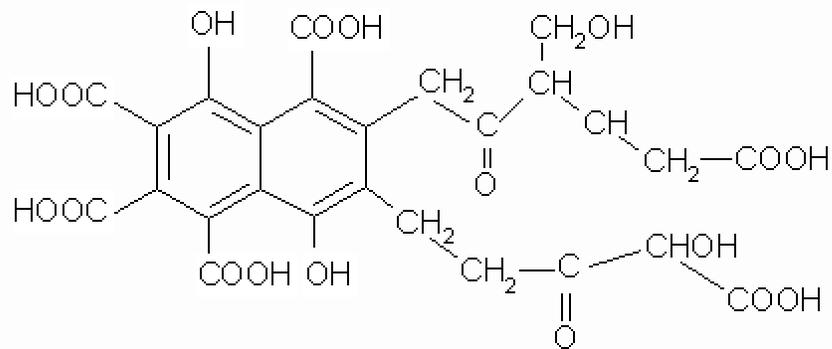
Our first line of defense against free radicals is a generous supply of free-radical scavengers, called antioxidants. Fulvic acid is the most powerful and versatile anti oxidant known to science. Free radicals of fulvic acid behave as electron donors OR acceptors, depending upon the need for balance in the situation. This means Fulvic acid could potentially help your body ward off disorders such as cancer, premature aging, wrinkling of the skin and arthritis; all of which are thought to be hastened by oxidation.

We know that ancient plant life had ample fulvic acid indicated by the exceedingly rich and unusual deposits that are located in various areas of the world. This fulvic acid in these deposits came from massive amounts of vegetation and its further decomposition by microbes. Fulvic acid is then a naturally occurring organic substance that comes entirely from microbial action on decomposing plants, plants themselves, or ancient deposits of plant origin.

Fulvic acid is especially active in dissolving minerals and metals when in solution with water. Whenever minerals come into contact with fulvic acid, in a water medium, they

are naturally dissolved into an ionic form. These minerals literally become part of the fulvic acid itself. Once the minerals meld into the fulvic acid complex, they become bioactive, bioavailable, and organic. Thus, when elemental minerals are transformed into an organic state, through a natural chemical process involving fulvic acid and photosynthesis, they are safe to be used by both humans and animals. Fulvic acid is nature's way of "chelating" metallic minerals, turning them into readily absorbable bioavailable forms.

Fulvic acid is an organic natural electrolyte that can balance and energize biological properties it comes into contact with. In repeated tests on animal cells the power of an electrolyte has been shown to enable restored life in what researchers termed "a beautiful demonstration" and "astonishing." When the electrolyte potential was taken away during the test, the cell ruptured and disintegrated into the surrounding fluid causing death. Upon reintroducing electrical potential the cell reconstructed and became active and healthy. As the most powerful, natural electrolyte known, fulvic acid restores electrical balance to damaged cells, neutralizes toxins and can eliminate food poisoning within minutes.



Model structure of fulvic acid

Fulvic acid enhances the availability of nutrients and makes them more readily absorbable. It allows minerals to regenerate and prolongs the residence time of essential nutrients. It prepares nutrients to react with cells. It allows nutrients to interact with one another, breaking them down into the simplest ionic forms chelated by the fulvic acid electrolyte.

Fulvic acid readily complexes with minerals and metals making them available to plant roots and is easily absorbed through cell walls. It makes minerals such as iron that are not usually very mobile, easily transported through plant structures. Fulvic acids are especially important because of their ability to complex or chelate metal ions and interact with silica. Fulvic acid also dissolves and transports vitamins, coenzymes, auxins, hormones, and natural antibiotics that are generally found throughout the soil, making them available. These substances are effective in stimulating even more vigorous and healthy growth.



Researchers have known for years that at least 90 nutrients are needed to maintain optimal health. These nutrients include a minimum of 59 minerals, 16 vitamins, 12 amino acids, and 3 essential fatty acids. Humans have been ingesting fulvic acid complexes regularly for over 60 years in supplemental form, and for thousands of years from natural food and plant sources. Clinical research on animals and humans show that the most prominent diseases and health problems of our day have been dramatically affected in positive ways by supplementation or treatment with fulvic acid and other preparations enhanced or created with fulvic acid.

Scientists also theorize that mineral deficiency subjects us to more diseases, aging, sickness and destruction of our physical well being than any other factor in personal health. A great number of known ailments, around 60, are directly linked to mineral deficiency.

Fulvic acid has close association with enzymes. It increases activity of enzymes, and especially influences cellular respiratory catalysts. Fulvic acid stimulates and balances cells, creating optimum growth and replication conditions.

Organic fulvic acid is a naturally occurring humic extract. Created within the soil by microorganisms, it induces complex photosynthesis reactions in plants by transporting important nutrients and minerals into the plants. This process enables the plant to circulate complex carbohydrate sugars throughout for nourishment. Some of these sugars return to the root system, which in turn provides nourishment to the originating microorganisms in the soil. In this way, the whole process repeats itself.

As an existing element in the earth, our ancestors received this humic substance naturally through their diet. Since farming practices are focused on pest-free, high yield crops for profit, soil is now repeatedly doused in pesticides, and nitrate fertilizers. These practices deplete microorganisms from the soil, leaving crops sterile and nutrient deficient. The known agricultural benefits have enormous potential to heal soils of the world. Industrial use for treatment of sewage and landfill waste, neutralization of radioactive and toxic wastes, and a myriad of other uses are just beginnings to be realized. Fulvic acid has the ability to dramatically detoxify herbicides, pesticides, and other poisons that it interacts with – this includes many radioactive elements. This detoxification process may extend to animals and humans, since we are the end-users of these plants.

Nature's Sunshine **Ionic Minerals with Acai (32 fl oz)** not only features the benefits of Fulvic Acid, but:

- Supplies highly bioavailable ionic minerals to support mineral-powered reactions throughout the body.
- Helps regulate pH balance in the body.

- Provides a full spectrum of 70 ionic trace minerals.
- Supports the circulatory system with the antioxidant benefits of açai berry.



Fulvic acid scavenges free radicals, supplies electrolytes, enhances nutrient transport, catalyzes enzyme reactions, increases assimilation and helps rebuild the immune system. Açai berry extract provides valuable antioxidants, amino acids, anthocyanins and essential fatty acids, plus a phenomenal flavor.

Note: (Do not confuse "fulvic acid" with "folic acid" which is a common B vitamin).

Yours in Good Health!

Sincerely,

Chris Ritchason
Dr. Jack Ritchason, Founder
The Back to Herbs Team

References

<http://www.vitalearth.net/FulvicAcidReport.html>
<http://www.helpfulhealthtips.com/things-to-know-about-fulvic-acid/>
<http://www.freepatentsonline.com/6569900.html>
<http://www.shirleys-wellness-cafe.com/fulvic.htm>
http://chronic-illness-treatments.suite101.com/article.cfm/fulvic_acid_for_heavy_metal_detox
<http://www.freeamerican.com/FulvicAcidReport.htm>

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