

# Serrapeptase

The late Dr. Hans Nieper, a German internist who studied serrapeptase extensively, called it “the miracle enzyme.” Though serrapeptase has been in clinical use for decades with about 200 studies conducted worldwide, it is still not well known as a supplement. Serrapeptase is a powerful proteolytic enzyme (one that breaks down protein) derived from the non-pathogenic bacterial species *Serratia E-15*. It was first isolated in the late 1960s from the intestines of silkworms, so is sometimes called the “silkworm enzyme.” It was discovered that this enzyme allowed the silkworm moth to dissolve a hole in its cocoon, composed of very strong protein fiber, freeing itself thereby to become the adult moth. Serrapeptase is now cultured for the market and over the years has shown an impressive record of addressing a wide range of debilitating conditions, whether acute or chronic. As it is specifically formulated for systemic use, it goes to work in the body wherever it is needed.

Serrapeptase is above all a natural anti-inflammatory; it reduces inflammation in all its forms anywhere in the body. It binds itself to alpha 2 macroglobulin in the plasma of our blood and is carried to wherever inflammation is occurring whether the condition is edema (swelling), swollen glands, lung problems including chronic obstructive pulmonary disease and asthma, ear, nose, or throat infections, such as sinusitis, digestive and intestinal problems, arthritis, rheumatoid arthritis, osteoarthritis, osteoporosis, sports injuries, carpal tunnel syndrome, ulcers, varicose veins, or diabetes. Chronic inflammatory conditions of auto-immune diseases, a few of which were named above, can be noticeably improved. As a systemic use enzyme, serrapeptase has a general immune-modulating ability, and therefore aids in any imbalanced auto-immune condition. Its ability to reduce the redness and swelling of inflammation, such as the fluid of edema, prevents pain-inducing substances from collecting in damaged tissue. This is a welcome benefit for the inflammation sufferer; serrapeptase has therefore earned the reputation of being the natural pain relief analgesic enzyme. Because of its anti-inflammatory properties, serrapeptase has been shown to speed up the overall healing process in general and specific ways.

One remarkable characteristic of serrapeptase is that it does not harm living tissue; it only dissolves dead tissue that the body is better off getting rid of. This includes scars (made of dead protein fibrin), blood clots (which is fibrin in the blood), cysts and fibroid tumors, and the arterial plaque which causes blockage of the arteries in coronary conditions. Fibrosis (formation of scar tissue) is, in fact, common throughout the body, not just from any injuries we might have had, however minor, but it also develops in all our organs simply through the process of aging. Serrapeptase can therefore be taken as an anti-aging protocol.

Serrapeptase has the ability to eat away at fibrin, wherever it may occur in the body. It also helps improve the syndrome known as fibromyalgia and the related condition fibrositis. It is able to dissolve the protective fibrin coating of microbes and viruses thereby allowing the immune system to get into action to identify them and inactivate them.

Perhaps most important for the optimal health of the body is blood cleansing. Serrapeptase removes toxins, impurities, and oxidizes dead and worn out protein from the bloodstream, earning it a reputation as the clean-up enzyme. It helps to normalize blood clotting and has an antioxidant role in the body.