

Protective Properties Of Calcium D-Glucarate

Studies have found that D-glucarate has therapeutic actions; among these are cancer prevention and serum cholesterol reduction. However, its most impressive property could be its ability to quickly detoxify the body of both artificial and natural toxins which can be potentially harmful. These toxins can be neutralized in many ways, with glucuronidation being one those ways. The process of glucuronidation involves using the liver to neutralize chemical carcinogens and steroidal hormones including estrogen. Once a toxin has been glucuronidated in the liver, it goes to the bile and is eventually eliminated from the body in the stool.

Beta-glucuronidase is an enzyme that is produced in the gut by unfriendly bacteria which can actually inhibit this process by chemically splitting a glucuronidated toxin before it is able to be eliminated in the stool. This unbound toxin can come into contact with the bowel lining where it can be reabsorbed and the whole process will be repeated. When a situation like this happens, cells are exposed, once again, to the chemical and the liver can become overworked. Thankfully, if D-glucarate is present, beta-glucuronidase is inhibited, resulting in a flawless glucuronidation in the body.

These findings suggest that taking D-glucarate orally as a supplement can provide us with the increased ability to efficiently and rapidly rid our bodies of toxins through problem-free glucuronidation. Additionally, D-glucarate does not work like an antioxidant, which neutralizes free radicals, but instead actually forms a type of bond with harmful compounds to enhance their rapid removal from the body. Some of the organs that can be especially toxin-sensitive are the breast, prostate, liver, lung, and kidney, therefore, they can greatly benefit from this process. These organs can be most damaged by the continued exposure to poisons and carcinogens.

Because our generation, more than that of any other, is exposure to a great number of potentially harmful environmental pollutants, our contact with carcinogens increased exponentially. Just some of the cancer-causing agents include cigarette smoke, pesticides, radon, hormonally-fattened meats, diagnostic and therapeutic x-rays, gamma radiation, trans-fatty acids, alcohol, poor diets, xeno-estrogen, herbicides, smog, car exhaust, certain prescription drugs, ultra-violet light, rancid foods, saturated / hydrogenated fats, some food/water supplies, and food preservatives. Although a lot of us have taken necessary measures to protect ourselves from exposure to the substances listed, it is inevitable that we will consistently take chemicals that can prompt the growth of cancer into our bodies.

Additionally, our own hormones can be a threat if they are not efficiently metabolized and excreted from our body. One study found that Glucarate supplementation amplifies the process by which carcinogens and hormones are removed from the body, while D-glucarate can exert a positive effect on different stages of the carcinogenic process. It has been found that lower cancer rates in some populations could be attributed to their consumptions of foods that are rich in D-glucaric acid, self-medicated with D-glucarate, or combine D-glucarate supplementation with other chemopreventive agents.

Either way, the protective function of glucarate in the body's natural cancer prevention mechanisms has been established for long periods of time, while other recent studies have indicated that the use of glucarate could potentially present a fifty percent decrease in tumor incidence.

About the Author

More information on [calcium-d-glucarate](#) is available at VitaNet &Reg;, LLC Health Food Store <http://vitanetonline.com/>

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