



Calcium-d-Glucarate

What Is It?

Calcium-d-Glucarate is a patented form of glucaric acid, a robust nutrient with the potential to support the body's natural ability to detoxify endogenous and environmental compounds and to promote cellular health for tissues including the liver, prostate, lung, breast and colon.*

Uses For Calcium-d-Glucarate

Detoxification And Cellular Support: Researchers at the University of Texas M.D. Anderson Center, Memorial Sloan-Kettering Center of New York, AMC Center in Colorado, and Ohio State University have extensively studied d-glucarate. In the liver, toxic compounds are bound to glucuronic acids so that they can be eliminated in a safe form from the body in a cleansing process known as glucuronidation. Beta-glucuronidase is a naturally occurring enzyme found in various organs and cells, which can cleave apart these neutral compounds. Studies have indicated that d-glucarate moderates beta-glucuronidase enzyme activity, supporting the process by which healthy cells eliminate waste and foreign elements. Other studies suggest the promising role of d-glucarate in supporting healthy lipid metabolism.*

What Is The Source?

Calcium-d-Glucarate is derived from cornstarch and glucose. (United States Patent Nos. 4,845,123; 5,364,644; 5,561,160. European Patent No. 0,528,950.)

Recommendations

Pure Encapsulations recommends 1-6 capsules per day, in divided doses, with meals.

Are There Any Potential Side Effects Or Precautions?

At this time, there are no known side effects or precautions. If pregnant or lactating, consult your physician before taking this product.

Are There Any Potential Drug Interactions?

Although there are no known drug interactions, many drugs are metabolized in the liver by binding to glucuronic acid. It is therefore possible that taking calcium-d-glucarate could increase the elimination of certain drugs or hormones from the body, thereby reducing their effectiveness. If you are taking any prescription medication, please consult your physician or pharmacist before taking calcium-d-glucarate.

References:

1. Walaszek Z, Szemraj J, Narog M, Adams AK, Kilgore J, Sherman U, Hanausek M. Metabolism, uptake, and excretion of a D-glucaric acid salt and its potential use in cancer prevention. *Cancer Detect Prev* 1997;21(2):178-90.
2. Abou-Issa H et al. Relative efficacy of glucarate on the initiation and promotion phases of rat mammary carcinogenesis. *Anticancer Res* 1995 May-Jun;15(3):805-10.
3. Walaszek Z, Hanausek M, Sherman U, Adams AK. Antiproliferative effect of dietary glucarate on the Sprague-Dawley rat mammary gland. *Cancer Lett* 1990 Jan;49(1):51-7.
4. Walaszek Z, Hanausek-Walaszek M, Minton JP, Webb TE. Dietary glucarate as anti-promoter of 7,12-dimethylbenz[a]anthracene-induced mammary tumorigenesis. *Carcinogenesis* 1986 Sep;7(9):1463-6.
5. Walaszek Z, Hanausek-Walaszek M, Webb TE. Dietary glucarate-mediated reduction of sensitivity of murine strains to chemical carcinogenesis. *Cancer Lett* 1986 Oct;33(1):25-32.
6. Oredipe OA, Barth RF, Dwivedi C, Webb TE. Chemopreventative activity of dietary glucarate on azoxymethane-induced altered hepatic foci in rats. *Res Commun Chem Pathol Pharmacol* 1989 Sep;65(3):345-59.
7. Webb TE, Pham-Nguyen MH, Darby M, Hamme AT. Pharmacokinetics relevant to the anti-carcinogenic and anti-tumor activities of glucarate and the synergistic combination of glucarate:retinoid in the rat. *Biochem Pharmacol* 1994 Apr 29;47(9):1655-60.
8. Healthnotes Clinical Essentials. Copyright 2004. Healthnotes, Inc.

(continued)

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each vegetable capsule contains 

calcium-d-glucarate 500 mg.

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