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# Potential use of D-glucaric acid derivatives in cancer prevention.

Walaszek Z[1].

## Author information

1 Department of Carcinogenesis, University of Texas M.D. Anderson Cancer Center, Smithville 78957.

## Abstract

There is now growing evidence from animal models for the possible control of different stages of the carcinogenic process by the beta-glucuronidase inhibitor D-glucaro-1,4-lactone and its precursors such as D-glucaric acid salts, D-glucarates. D-Glucaric acid is a natural, non-toxic compound produced in small amounts by mammals, including humans. It was recently found in some vegetables and fruits. D-Glucaro-1,4-lactone and D-glucarate exhibit potent antiproliferative properties in vivo. Some human subpopulations could have reduced risk of cancer development by ingesting food rich in D-glucaric acid or self-medication with D-glucarates alone or in combination with other chemopreventive agents.

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