

# Anticancer And Cancer Chemopreventive Potential Of Grape

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## **Anticancer And Cancer Chemopreventive Potential**

Although the above-cited literature strongly suggests that grape seeds are a potential source of anticancer and cancer chemopreventive phytochemicals, the other parts of the grape such as the skin, the whole grape by itself, grape-derived raisins, and phytochemicals present within the grapes have also demonstrated potential anticancer efficacy in various preclinical and clinical studies, as summarized in Table 2.

## **Anticancer and Cancer Chemopreventive Potential of Grape ...**

The aim of this study was to evaluate the cancer

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chemopreventive and anticancer activities of crude extracts of *F. hispida*, with the objective to screen the inhibition of Epstein-Barr virus early antigen, and cytotoxic active components, and provide foundation for potential applications of this promising medical plant.

## **Potential cancer chemopreventive and anticancer ...**

Moreover, induction of autophagy was involved in the chemopreventive/chemotherapeutic potential of genistein, a soy isoflavone, in multiple tumor types such as breast cancer, lung cancer and hepatoma [51,54]. The molecular details of the contribution of apoptosis, necrosis, cell cycle arrest as well as autophagy were summarized in Table 1. Table 1

## **Chemopreventive and anticancer activity of flavonoids and ...**

Grapes and grape-based products are one such class of dietary products that have shown cancer chemopreventive potential and are also known to improve overall human health. This review focuses on recent advancements in cancer chemopreventive and anticancer efficacy of grape seed extract and other grape-based products.

## **Anticancer and Cancer Chemopreventive Potential of Grape ...**

nutritive and nonnutritive phytochemicals with potential cancer chemopreventive activity. Grapes and grape-based products are one such class of dietary products that have shown cancer chemopreventive potential and are also known to improve overall human health. This review focuses on recent advancements in cancer

## **Anticancer and cancer chemopreventive potential of grape ...**

The chapter reviews the chemopreventive and anticancer potential of the herb, black cohosh (*Actaea racemosa*). The extract and purified components of the herb is used for centuries for treatment of inflammation and various disorders in women including alleviation of the symptoms of menopause.

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## **Black Cohosh: Chemopreventive and Anticancer Potential**

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Several retinoids have shown promising activity as antitumor and cancer chemopreventive agents by inhibiting carcinogenesis at the initiation, promotion, and progression stages. 88 The anticancer activity of the retinoids is mainly due to their binding to nuclear receptors that act as hormone receptors activating target genes. They are classified as classical retinoic acid receptors (RARs) and nonclassical retinoid X receptors (RXRs), each of which has three isoforms ( $\alpha$ ,  $\beta$ , and  $\gamma$ ).

## **Cancer Chemopreventive - an overview | ScienceDirect Topics**

They include influence on the activity of inducible isoenzyme of cyclooxygenase and nitric oxide synthase, cell cycle-regulating proteins, or inflammatory cytokines, which are involved in oncogenesis. In view of its reported biological properties and relative safety, protocatechuic acid is a potential cancer chemopreventive product.

## **Potential Cancer Chemopreventive Activity of ...**

Pomegranate has been reported to be a potential chemopreventive agent for breast cancer (203, 204), prostate cancer, skin cancer and prostate cancer. Genistein is a phytoestrogen mostly found soybeans, and an inverse correlation has been reported between genistein consumption and the risk of prostate (208), breast (209) and endometrial (210) cancer.

## **Chemopreventive potential of natural compounds in head and ...**

Therefore, ginseng is a potential cancer preventive agent [6]. Nuclear factor (erythroid-derived 2)-like 2 (Nrf2 or NFE2L2) is a key regulator of the antioxidant responsive element (ARE)-mediated gene expression and therefore a potential anti-cancer target for chemopreventive compounds [7], including ginseng [8 - 10].

## **Anti-cancer and potential chemopreventive actions of ...**

Grapes and grape-based products are one such class of dietary products that have shown cancer chemopreventive potential and

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are also known to improve overall human health. This review focuses on...

## **Anticancer and Cancer Chemopreventive Potential of Grape ...**

Xanthones from Mangosteen Extracts as Natural Chemopreventive Agents: Potential Anticancer Drugs T. Shan , 1 Q. Ma , \*, 1 K. Guo , 1 J. Liu , 1 W. Li , 1 F. Wang , 2 and E. Wu 2 1 Department of Hepatobiliary Surgery, First Affiliated Hospital of Medical College, Xi'an Jiaotong University, 277 West Yanta Road, Xi'an 710061, Shaanxi, China

## **Xanthones from Mangosteen Extracts as Natural ...**

Anticancer and Carcinogenic Properties of Curcumin: Considerations for Its Clinical Development as a Cancer Chemopreventive and Chemotherapeutic Agent - PubMed A growing body of research suggests that curcumin, the major active constituent of the dietary spice turmeric, has potential for the prevention and therapy of cancer.

## **Anticancer and Carcinogenic Properties of Curcumin ...**

The mechanism of the anti-cancer activity of honey as chemopreventive and therapeutic agent has not been completely understood. The possible mechanisms are due to its apoptotic, antiproliferative, antitumor necrosis factor (anti-TNF), antioxidant, anti-inflammatory, estrogenic and immunomodulatory activities.

## **Honey as a Potential Natural Anticancer Agent: A Review of ...**

The big challenge for scientists today remains to develop personalized supplements composed from specific phytochemicals with proven anticancer effects for each clinical situation, which can be used in cancer prevention and/or therapy, either alone or in combination with current chemotherapy . This will be possible in the case of better understanding the mechanisms of action by which dietary phytochemicals can affect human health.

## **Dietary phytochemicals in breast cancer research ...**

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Chemoprevention strategies are very attractive and have earned serious consideration as potential means of controlling the incidence of cancer. An important element of anticancer drug development using plants is the accumulation and analysis of pertinent experimental data and purported ethnomedical (folkloric) uses for plants.

## **Biomedical properties of saffron and its potential use in**

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Chemoprevention is defined as the use of natural or synthetic substances to reverse, suppress, or prevent the initiation, promotion, or progression of cancer ( 2 ). Use of natural compounds for chemoprevention is highly compelling due to their safety, low toxicity, and general acceptance as dietary supplements ( 3 ).

## **A Review of Promising Natural Chemopreventive Agents for ...**

Key molecular mechanisms are presented to detail genoprotective and anticancer activities of plants and phytochemicals. Clinical implementation is discussed. Based on the presented evidence, advanced chemopreventive strategies in the context of 3P medicine are considered.

## **Genoprotective activities of plant natural substances in**

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Chemopreventive and therapeutic potential of "naringenin," a flavanone present in citrus fruits Nutr Cancer. 2015;67(1):27-42. doi: 10.1080/01635581.2015.976320. Epub 2014 Dec 16.

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