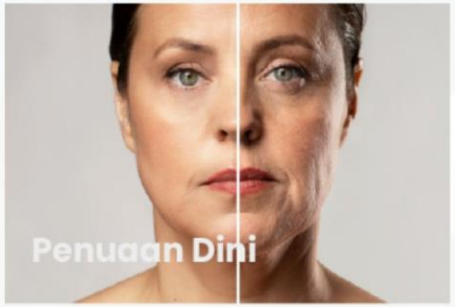
I MADE WIRADIANA

S.Kep.,Ners.,MEd.Mgt

Product Knowledge

Mengenal Radikal Bebas dan Cara Terbentuknya

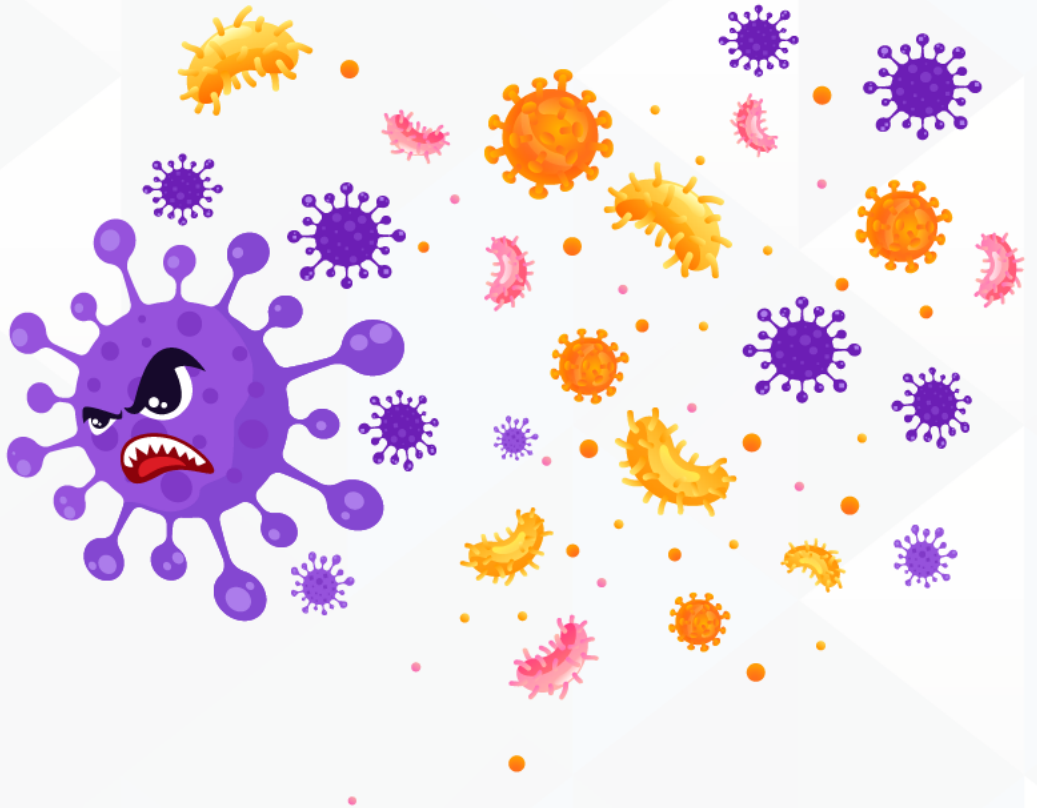
Radikal bebas dihasilkan dari proses alami dan faktor eksternal seperti polusi dan radiasi UV. Mengelola pola makan, stres, dan paparan lingkungan penting untuk mengurangi kerusakan oksidatif.



Which product is the best to deal with our concern?

A Product that is high in **ANTIOXIDANT**

Antioksidan: Pembela Tubuh



AG ACADEMY

NOW LET'S US INTRODUCE **THE FIRST HIGH ANTIOXIDANT** PRODUCT IN INDONESIA

- Mendukung Sistem Imun
- Meningkatkan Energi & Stamina
- Regenerasi Sel
- Anti Penuaan
- Anti Inflamasi

Hytolive
Buah Zaitun

HYTOLIVE OLIVE YOUR LIFE

Spanyol

Antioksidan Alami
Mengandung hydroxytyrosol alami dalam kadar tinggi yang membantu melindungi tubuh dari radikal bebas.

Proses 100% Alami
Diproses sepenuhnya secara alami dari buah zaitun, bukan daun zaitun.

Bebas Racun
Bebas dari pestisida dan zat berbahaya yang biasanya terdapat pada daun zaitun.

Sertifikasi dan Keamanan
- Disetujui oleh European Food Safety Authority (EFSA).
- Bersertifikat Halal dan bebas dari GMO (organisme hasil rekayasa genetika).
- Mengikuti standar ISO 9001 & 14001; GMP (NSF-US).

Why we choose **Hytolive?**

Hytolive tinggi Hydroxytyrosol :
Sumber antioksidan kuat untuk kesehatan.

Hydroxytyrosol adalah salah satu antioksidan alami terbaik saat ini. Penelitian yang sudah dibuktikan menunjukkan manfaat kesehatan seperti mengurangi peradangan, melawan bakteri, mencegah kerusakan sel, melawan kanker, dan melindungi kesehatan jantung.

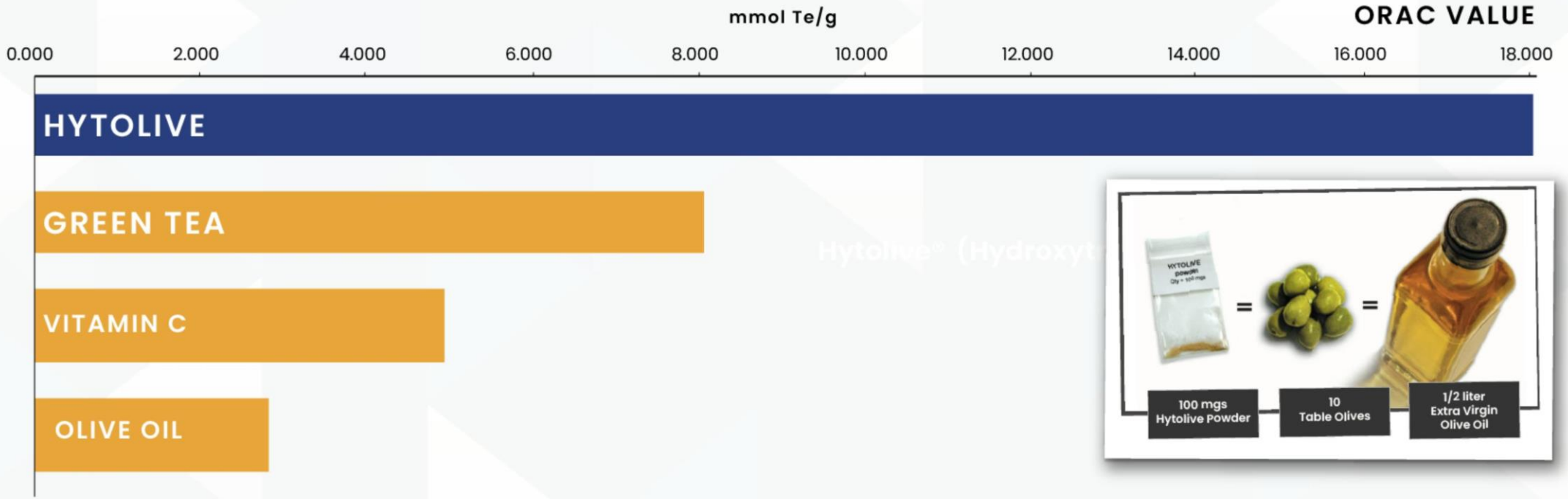
HYTOLIVE® telah menunjukkan aksi anti-platelet yang signifikan.

Melindungi adalah cara yang alami. Hydroxytyrosol melindungi dari stres oksidatif.

Hydroxytyrosol melindungi terhadap oksidasi kolesterol LDL, yang erat kaitannya dengan aterosklerosis.

Keunggulan Hytolive
dibandingkan dengan vitamin lain

Dalam proses ekstraksi minyak zaitun, minyak dipisahkan dari air dan ampas. Air hasil pemisahan ini mengandung **Hydroxytyrosol, sebuah senyawa dengan bioavailabilitas yang sangat tinggi dan nilai ORAC yang tinggi.** Hal ini menjadikannya sebagai antioksidan alami yang sangat kuat.



Artikel & Uji Klinis Hydroxytyrosol

ACADEMY

ProHealth
Empowering Patients · Improving Lives

Choose Product or Article

Fibromyalgia · ME & CFS · Lyme Disease · Natural Wellness

The Most Powerful Natural Antioxidant Discovered To Date – Hydroxytyrosol

By Karen Lee Richards* • ProHealth.com • June 22, 2012

(118 votes, average: 4.42 out of 5) PRINT

139 Shares 105 7 11 6

Do you know which antioxidant is the most powerful? Vitamin C? Beta-carotene? Green tea? No, the world's most powerful antioxidant is something you've probably

Food & Function

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Hydroxytyrosol induces apoptosis in human colon cancer cells through ROS generation

Lijuan Sun,[a] Cheng Luo[b] and Jiankang Liu*[b]

Cancer cells are usually under higher levels of oxidative stress compared to normal cells. We hypothesized that the introduction of additional reactive oxygen species (ROS) or the suppression of antioxidant activity may selectively enhance cancer cell killing by generating oxidative agents through stress overload or stress sensitization. The aim of this work was to test whether hydroxytyrosol (HT), one of the major polyphenolic constituents of extra virgin olive oil, could exert anti-cancer effects on human colon adenocarcinoma cells via its ability to induce apoptosis through ROS generation. HT exhibits preferential anti-proliferative effects on human colon cancer cells (DLD1 cells) but not on normal colon epithelial 1807 cells. HT causes oxidative stress, activates the phosphoinositide 3-kinase/Akt pathway, phosphorylates FOXO3a and then downregulates FOXO3a's target genes. Combined with SOD or catalase treatment, there are different responses in HT-treated DLD1 cells. The results support the hypothesis that the two main species of ROS, superoxide and H_2O_2, play different roles in cancer cell survival. The present work shows that HT induces apoptotic cell death and mitochondrial dysfunction by generating ROS in colon cancer cells. This research presents important evidence on the *in vitro* chemopreventive effect of HT and shows that the disruption of the intrinsic redox status promotes cancer cell death.

Received 5th March 2014
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DOI: 10.1039/c4fo00187g

www.rsc.org/foodfunction

Introduction

responses that may contribute to tumorigenesis, metastasis, and treatment resistance. Further exposure to exogenous ROS

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Hydroxytyrosol is key anti-inflammatory compound in olive: DSM study

By Stephen Daniells
24-Aug-2011 - Last updated on 25-Aug-2011 at 17:37 GMT

RELATED TAGS: Inflammation

Hydroxytyrosol, an ingredient to watch, has been identified as the main anti-inflammatory compound in olives, says a new study from DSM Nutritional Products Ltd.

Cytotechnology (2009) 59:45–53
DOI 10.1007/s10616-009-9191-2

SPECIAL ISSUE JAACT

Anti-proliferative and apoptotic effects of oleuropein and hydroxytyrosol on human breast cancer MCF-7 cells

Junkyu Han · Terence P. N. Talorete · Parida Yamada · Hiroko Isoda

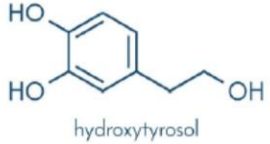
Received: 22 September 2008 / Accepted: 6 March 2009 / Published online: 8 April 2009

Abstract Olive oil intake has been shown to induce significant levels of apoptosis in various cancer cells. These anti cancer properties are thought to be mediated by phenolic compounds present in olive. These beneficial health effects of olive have been attributed, at least in part, to the presence of oleuropein and hydroxytyrosol. In this study, oleuropein and hydroxytyrosol, major phenolic compound of olive oil, was studied for its effects on growth in MCF-7 human breast cancer cells using assays for proliferation (MTT assay), cell viability (Guava ViaCount assay), cell apoptosis, cellcycle (flow cytometry). Oleuropein or hydroxytyrosol decreased cell viability, inhibited cell proliferation, and induced cell apoptosis in MCF-7 cells. Result of MTT assay showed that 200 μg/mL of oleuropein or 50 μg/mL of hydroxytyrosol remarkably reduced cell viability of MCF-7 cells. Oleuropein or hydroxytyrosol decrease of the number of MCF-7

Keywords MCF-7 cells · Oleuropein · Hydroxytyrosol · Apoptosis

Introduction

The incidence of cancer in Mediterranea lower than in the rest of European cou United States (Keys et al. 1981). Th described by the lower rate of the large endometrial, and prostate cancers by epidemiological studies, and the maj this, apart from possible genetic factors to the dietary practices. The traditional M diet is characterized by high consumptio plant origin, relatively low consumptio and high consumption of olive oil and There are a number of studies on hea



hytolive® To protect is the natural way

genosa I+D

BAHAN PENDUKUNG

Delima

Lemon

Kiwi

Bluberi

Stoberi

Rose Hip

Tomat

Bunga Mawar

Mentimun

Wortel

Acerola


“Kesehatan berawal dari makanan yang baik, dan makanan yang baik adalah obat terbaik”.

THANK YOU

Bali bukan hanya tempat lahir budaya, tapi juga tempat lahir perubahan.
Dumogi rahayu lan sukses sekancan titiang.