

Search | Join | Affiliate Program | Contact

Step 1 ... Enter ZIP Code >

GO!

For Individuals & Families | For Businesses & Groups | For Dentists | Other Benefit Plans | Information & Help | Members

<u>DentalPlans.com</u> > <u>Dental Health Articles</u> > <u>Science</u> > Compound From Olive pomace

Dental and Health Articles

Compound From Olive-pomace Oil Inhibits **HIV Spread**

Updated: 7/9/2007 12:06:16 PM Print Article Email Article

Stop Severe Diarrhea

Why Fail In Ameriplan?

All Natural Health Through Harmony 100% Guaranteed to Work!

When You Could Be Adding 3 Reps A Day With This Free How To Report!

Science Daily — Researchers from the University of Granada and Hospital Carlos III in Madrid, verified that maslinic acid – found in wax from olive skin – inhibits serin-protease, the enzyme used by HIV to release itself from the infected cell into the extracellular environment.

Olive oil has become part of the fight against the Human Immunodeficiency Virus (HIV) the cause of AIDS - thanks to the research carried out by the Bionat team, from the University of Granada, headed by Prof. Andrés García-Granados, senior lecturer in Organic Chemistry. Their work shows that maslinic acid - a natural product extracted from dry olive-pomace oil in oil mills - inhibits serin-protease, an enzyme used by HIV to release itself from the infected cell into the extracellular environment and, consequently, to spread the infection into the whole body. These scientists from Granada determined that the use of olive-pomace oil can produce an 80% slowing down in AIDS spreading in the body.

Maslinic or crataegolic acid is a pentacyclic terpene with antioxidant and anticancer effects found in wax from olive skin, alongside oleanolic acid. The effects of this compound in the fight against AIDS are simultaneously being studied in the UGR and in Hospital Carlos III in Madrid by a team headed by Prof. Vallejo Nájera.

Maslinic acid innovative properties stem from its powerful protease-inhibition activity, allowing researchers from Granada to register two patents on behalf of the UGR to produce drugs for treatment of diseases caused by protozoa Cryptosporidium - a parasite causing small intestine infection and diarrhoea - and by HIV. The University of Granada has already registered almost ten other patents related to this compound's properties.

Maslinic acid is also a very active compound in opportunistic parasitic infections seriously affecting HIV patients.

In trials carried out by these researchers with the MT2 cell line, for concentrations of 25 and 30 μg/ml maslinic acid inhibited replication of a primary HIV-1 isolate. For 25 μg/ml a decrease in the cytopathic effect and in p24 antigen levels in the supernatant culture medium was detected. For 30 µg/ml, there was total absence of the cytopathic effect and also a decrease of p24 antigen levels.

Pilot Plant

The UGR Faculty of Sciences hosts a unique maslinic acid production pilot plant where the company MANINVEST S.L. - staffing scientists from the UGR departments of Organic Chemistry, Biochemistry and Parasitology, as well as a coordinating economist – is carrying out research on technology implementation and business programmes tuning aimed at making manitol and maslinic and oleanolic acids programmes more profitable.

Whilst manitol is obtained from olive oil waste water (alpechín) and olive-tree leaves, both acids are extracted from dry olive-pomace oil (orujo) produced at the olive-milling stage during olive oil elaboration process.

To this day, only oleanolic acid - produced in China - has been marketed. However, maslinic acid has gained importance as it is not still on the market and has a greater biological activity.

Prof. Andrés García-Granados's team intends to continue working in the design and implementation of new maslinic acid by-products to fight against HIV, as well as in other innovative research projects financed by the Spanish Ministry of Science and Technology and the Andalusian Regional Government.



ReaMetrix CD4/CD8 \$3-\$5 per test for HIV patients No Cold Chain, **Dried Format** www.reametrix.com

Insurance Dental Top 7 Sites For Dental Health Insurance. Ranked and Ready to go.

dental-health-insurance.com

Casas Granada Valle **Costa**

Inmobiliaria en Padul Preciosas casas valle y costa

www.garcialazaro.com

Dental Insurance Looking for Dental Insurance? Review by our Expert. Go Now!

www.43shopping.com/Dental+Insu

As Seen on O's Show Wrinkles gone in 60 seconds! The product that got a 5-Star Rating. www.dremu.com/Oprah



- >> 24 Hour Customer Suppo
- >> Over 30 Plans to Choose From
- >> Plans Start at \$79.95 Per Y
- >> Sign-Up & Get 3 Additional Months Free!



Additional Articles

Delays In Cancer Diagnosis For Children ... Pre-implantation Genetic Screening Reduc... From The Corner Of The Eye: Paying Atten... <u>Insects To Solve Crimes</u> High-risk Patients Need Better Guidance ... Gene Protects Against Kidney Disease Smoking Associated With Lower Parkinson'... Study Identifies Characteristics Of Clin... Heart Attack Death Rates Appear Lower At... Electronic Health Records Didn't Improve... New Way To Target And Kill Antibiotic-re... Selenium Supplements Linked With Increas... Ancient Americans Liked It Hot: Mexican ... Can An Apple A Day Keep Asthma Away? Poo People With Early Parkinson's Report Hal... New Gene Mutation Identified In Common T... Drug Derived From Gila Monster Saliva He... Depression Often Untreated In Parkinson'... Breast Cancers Is More Aggressive In Afr... 'Virtual' Mouse Brains WIth Extraordinar...

Note: This story has been adapted from a news release issued by Universidad de Granada.

Read Original Article

© 2007 Science Daily

Granada Airport car hire NettValley Properties Ford Ka from £53 week Car Hire of the year Quality rural properties for sale Lecrin Valley 2006 Granada guide

Step 1...

Enter your ZIP code to compare the savings and benefits offered by the discount dental plans in your area. Take the first step toward a healthier smile and start saving today!

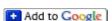


Enter ZIP Code



> Find my dentist > Find a ZIP code

Search Plans & Dentists - F.A.Q.'s - Tell a Friend About Us - Bookmark This Page - Receive Our Newsletter - Return to Home Page



















<u>Terms of Use</u> - <u>Privacy Policy</u> - <u>Report Abuse</u> - <u>Site Map</u> - <u>States</u> Dental Insurance vs Dental Plans - Planes Dentales - En Español

Plans and Programs offered by DentalPlans.com are not health insurance policies. Plans and Programs offered by DentalPlans.com provide discounts at certain health care providers for medical services. Plans and Programs offered by DentalPlans.com do not make payments directly to the providers of medical services. The Plan or Program member is obligated to pay for all health care services but will receive a discount from those health care providers who have contracted with the Plan, Program or discount plan organization.

© 1999-2006 DentalPlans.com, Inc. All Rights Reserved.