

[Home](#)

[Top Stories](#)


Extra virgin olive oil 'helps combat breast cancer'

Barcelona News.Net
Friday 6th February, 2009 (ANI)

Washington, Feb 6 : Spanish researchers have found that extra virgin olive oil can help fight breast cancer.

Researchers of the Catalanian Institute of Oncology (ICO) and the University of Granada (Spain) have verified the bioactivity of the polyphenols present in extra virgin olive oil in breast cancer cell lines.

The work, carried out by Javier A. Menéndez, of the Catalanian Institute of Oncology (ICO), in collaboration with Professors Alberto Fernández Gutiérrez and Antonio Segura Carretero, of the University of Granada, has been published in the journal 'BMC Cancer'.

The study has proved the anti-HER2 effect of fractions of phenolic compounds directly extracted of extra virgin olive oil in breast cancer cell lines. They have used solid-phase extraction methods of semi-preparative liquid chromatography to isolate fractions of commercial oils and, later, separation techniques (capillary electrophoresis and liquid chromatography connected to mass spectrometry) to check the purity and composition of the fractions.

Such fractions were tested in their anti-cancer capacity both against positive HER2 and negative HER2 breast cancers, using in Vitro models and evaluating the effect of polyphenolic fractions in the expression and activation of HER2 oncoprotein through ELISA specific methods for HER2.

Fractions containing polyphenols such as hydroxitirosol, tirosol, elenolic acid, lignans, pinoresinol and acetopinoresinol, and secoiridoids, diacetox oleuropein aglycone, ligustrosid aglycone and oleuropein aglycone were able to induce important tumoricid effects in a range of micromolar and in a selective way against HER2 oncogene.

Therefore, the study confirms the potentiality of polyphenols to inhibit HER2 activity and to promote its degradation.

[Email this story to a friend](#)

[Accede a la Universidad](#)

Curso de Acceso a la Universidad Centro en Granada. Infórmate

[Colegios Mayores Granada](#)

Si vienes a estudiar a Granada... Guía de Residencias Universitarias

Anuncios Google

Treat viral hepatitis, liver cancer with new molecule

London, Feb 10 (IANS) Spanish researchers have identified a molecule which can be potentially effective in treating chronic hepatitis and liver cancer. [read story]

Scarlett's Email claims 'attempted gang rape before murder'

London, Feb. 9 : In an Email to her Spanish friend just days before her death on a beach in Goa, British teenager Scarlett Keeling wrote that a group of men had tried to gang rape her in Goa. [read story]

Obama talks about economy in first media conference

Barack Obama, in his first media conference as US President, has said America's economic crisis could quickly turn into a catastrophe unless Congress passes his economic stimulus package. [read story]

California to release thousands of felons

The US state of California has been ordered to release tens of thousands of prison inmates due to dangerous overcrowding. [read story]

Ahmadinejad to be challenged in Iran elections

A former reformist president in Iran intends challenging President Mahmoud Ahmadinejad in the country's upcoming presidential elections. [read story]

[Pisos Granada](#)

Miles de pisos y apartamentos en Granada. ¡Encuentra el tuyo!

[www.portae.com](#)

[Madrid Granada](#)

Oferta en eDreams hasta el 28 febrero 2009. ¡Plazas limitadas!

[www.edreams.es](#)

[Vuelos Granada 20€](#)

Aprovecha Y Vuela A Granada Y Otros Muchos Destinos. ¡Desde Sólo 20€!

[Vuelos-Granada.es.Ask.com](#)

[Vuelos a Granada, 28€](#)

Ofertas Vuelos regulares y Low Cost ¡Ahorra tiempo y dinero con logi!

[www.logitravel.com](#)

Anuncios Google

Have your say on this story

Your name/nickname	<input type="text"/> (optional)
Message	<input type="text"/>
Image verification	<p>(enter the verification code from the image above)</p> <input type="text"/>
	<input type="button" value="Post comment"/>

[Barcelona News Feed](#)

[World News Feed](#)

[Business and Finance Feed](#)

[Home](#) | [Map](#) | [About Us](#) | [Contact Us](#) | [Privacy Policy](#) | [Terms and Conditions](#) | [Site Map](#)

© 1999 - 2009 Mainstream Media EC - All rights reserved