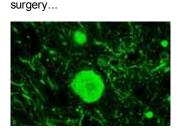


Such fractions were tested in their anti-cancer capacity both against positive HER2 and negative HER2 breast cancers, using in Vitro models and evaluating the effect of polyphenolic fractions in the expression and activation of HER2 oncoprotein through ELISA specific methods for HER2. Fractions containing polyphonels 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 tumouricid effects in a range of micromolar and in a selective way against HER2 oncogene.

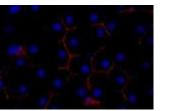
Therefore, this study confirms the potentiality of polyphenols to inhibit HER2 activity and to promote its degradation. Such results, together with the fact that humans have consumed secoiridoids and lignans safely for a long time through oil and olive oil consumption, endorse the fact that such phytochemicals could be an excellent and safe basis for the design of new antiHER2 compounds.

This work has been carried out by Javier A. Menendez, coordinator of the



you've had knee replacement

New pathway is a common thread in age-related neurodegenerative diseases [2 Feb] — How are neurodegenerative diseases such as Alzheimer's initiated, and why is age the major risk factor? A recent study of ...



Study links seismic slip and tremor, with implications for subduction zone Fish scales show ocean fate of Atlantic salmon

Cumulative radiation exposure shows

increased cancer risk for emergency

Dye-coated glass to channel energy into

Intestinal bacteria promote - and prevent! -

Scientists discover how rheumatoid arthritis

The upside to allergies: Cancer prevention

Protein on 'speed' linked to ADHD

Common bronchodilator linked to increased deaths

Translational Research Unit of the Catalonian Institute of Oncology (ICO) in Girona, and by doctors Alberto Fernandez Gutierrez - in charge of the 'Research Group of Analytic, Environmental, Biochemical and Food Control' - and Antonio Segura Carretero, member of such group.

This Research Group of the Department of Analytical Chemistry of the University of Granada (Spain) has developed other interesting research works in the characterisation of polyphenolic profiles of an important number of plants and metabolomic studies of extracts with proved bioactivity through the use of advanced separation techniques.

Source: Universidad de Granada

Discovery could lead to a new animal model for hepatitis C -[2 Feb] - During its career, the potentially fatal hepatitis C virus has banked its success on a rather unusual strategy: its limitations....



Roadkill study could speed

Robots designed to save lives of construction workers High caffeine intake linked to hallucination proneness

Mast cells play a role in assisting immune system to combat tularaemia

2007 <u>— II III IV V VI VII VIII IX X XI XII</u>

humidity

More recent stories...

solar cells

department patients

causes bone loss

inflammatory bowel disease

2008

- 1 11 111 1V V V1 V11 V111 1X X X1 X11

2009 <u>— I II</u>