

In Vivo Protective Effects Of Diosgenin Against

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In Vivo Protective Effects of Nootkatone against Particles ...

The aim of the present study was to investigate the in vivo protective effect of the antioxidant compound ferulic acid ethyl ester (FAEE) against Abeta-induced oxidative damage on isolated synaptosomes. Gerbils were injected intraperitoneally (i.p.) with FAEE or with dimethylsulfoxide, and synaptosomes were isolated from the brain.

In vivo protective effects of ferulic acid ethyl ester ...

Therefore, treatment with antioxidants might, in principle, prevent propagation of tissue damage and neurological dysfunction. The aim of the present study was to investigate the in vivo protective effect of the antioxidant compound ferulic acid ethyl ester (FAEE) against A β -induced oxidative damage on isolated synaptosomes.

In vivo protective effects of ferulic acid ethyl ester ...

In vivo protective effects of chlorogenic acid against triptolide-induced hepatotoxicity and its mechanism. Wang JM (1) (2), Chen RX (1), Zhang LL (1), Ding NN (1), Liu C (1), Cui Y (1) (2), Cheng YX (3). Author information: (1)a College of Pharmacy , Henan University of Chinese Medicine , Zhengzhou , China. (2)b Collaborative Innovation Center for Respiratory Disease Diagnosis and Treatment & Chinese Medicine Development of Henan Province , Henan University of Chinese Medicine , Zhengzhou , ...

In vivo protective effects of chlorogenic acid against ...

Further works are needed to clarify whether diosgenin might modulate the cancer killing effect of DOX in vivo. Diosgenin has been shown to exert anti-cancer effects against a wide variety of tumor cells, including colorectal cancer [41], leukemia [42], breast cancer [43], and liver cancer [44] .

In Vivo Protective Effects of Diosgenin against ...

Therefore, the negative results for mutagenicity observed in vivo in the present study may indicate that (i) the primary lesions (strand breaks) in the comet assay were repaired and this prevented the observation of micronuclei; (ii) the lesions induced in the comet assay were mainly single-strand breaks, which are less effective at producing chromosome fragments than double-strand breaks and (iii) the prevalent DNA lesions leading to effects in the comet assay may have been DNA ...

In vivo assessment of DNA damage and protective effects of ...

Phosphatidylcholine (PC) from egg yolk is a bioactive substance with various beneficial effects, including anti-inflammatory and anti-oxidant effects. Recently, this substance has been reported to prevent acute hepatotoxicity. In the present study, we aimed to evaluate the putative protective effect of PC on carbon tetrachloride (CCl4)-induced nephrotoxicity in ICR mice.

In vivo protective effect of phosphatidylcholine on carbon ...

In vivo and in vitro protective effects of omeprazole against neuropathic pain. *Sci. Rep.* 6, 30007; doi: 10.1038/srep30007 (2016). References.

In vivo and in vitro protective effects of omeprazole ...

The protective effects of rGal-1 on LPS-stimulated cells were associated with the significant reduction of the release of cytokines (IL-8 and IL-6), similar to Dex treatment. Furthermore, rGal-1 and Dex inhibited cyclooxygenase-2 (COX-2) expression in LPS-stimulated cells, as shown by immunofluorescence.

Protective effects of the galectin-1 protein on in vivo ...

Molecular data showed that the protective effects of diosgenin might be mediated via regulation of protein kinase A (PKA) and p38. Our data imply that diosgenin possesses antioxidant and anti-apoptotic activities, and cGMP modulation effect, which in turn protect the heart from the DOX-induced cardiotoxicity. *PMCID: PMC4488824 PMID: 26091236*

In Vivo Protective Effects of Diosgenin against ...

In vitro and in vivo protective effects of fermented preparations of dietary herbs against lipopolysaccharide insult. Bose S (1), Song MY, Nam JK, Lee MJ, Kim H. (1)Institute of Medical Research, College of Medicine, Dongguk University Seoul, Republic of Korea. Lipopolysaccharide (LPS) is known to produce endotoxic shock by triggering systemic inflammatory responses.

In vitro and in vivo protective effects of fermented ...

The protective effects were observed in both cultured dermal fibroblasts and the skin of nude mice. In cultured dermal fibroblasts, expression of intracellular ROS was increased by UVB irradiation, resulting in reduced proliferation, cell cycle arrest, increased senescence, and inhibition of ECM synthesis.

Protective Effect of Fat Extract on UVB-Induced Photoaging ...

In vivo experiments revealed that camellia oil preadministration prevented gastric wound generation by decreasing inflammatory mediators interleukin-6, tumor necrosis factor- α , and cyclooxygenase-2 levels; increasing heme oxygenase-1 antioxidant protein level; and elevating transforming growth factor- β and vascular endothelial growth factor levels in indomethacin-induced BALB/c mice. Thus, camellia oil is a functional dietary oil that prevents oxidative damage and inflammation in NSAID ...

Protective effects of camellia oil (Camellia brevistyla ...

Here, we evaluated the in vitro and in vivo protective effects of unfermented and fermented Rhizoma coptidis (RC and FRC, respectively) against LPS-insult. In general, RC suppressed the LPS-induced expression of key inflammatory mediators in RAW264.7 cells, in a dose-dependent manner.

Evaluation of the in vitro and in vivo protective effects ...

Diosgenin has been shown to have favorable effects on. anti-inflammatory [17], lipid metabolism [18], glucose lowering [1], and antioxidant activit9 ies [20,21]. Previous studies indicated that a supplementation of food rich in diosgenin, such as a yam variety (called.

In Vivo Protective Effects of Diosgenin against ...

In vivo Studies on the Protective Effect of Propolis on Doxorubicin-Induced Toxicity in Liver of Male Rats. *Toxicology international* 21, 191-195 (2014). [PMC free article] Simmons T. W. & Jamall I. S. Relative importance of intracellular glutathione peroxidase and catalase in vivo for prevention of peroxidation to the heart.

Protective effects of madecassoside against Doxorubicin ...

The in vivo anti-inflammatory effects of *L. lactis* ML2018 were evaluated using a dextran sulfate sodium (DSS)-induced animal model of colitis. Oral administration of *L. lactis* ML2018 significantly ameliorated colitis induced by DSS, which included preventing a decrease in body weight, shortening of the colon length and apoptosis of epithelial cells.

Protective effects of a novel probiotic strain ...

Consistent with our in vitro data, the results of the in vivo study showed that the levels of MMP-1, α 3, and α 13 expression were decreased, while that of TIMP-1 was increased, in biochanin-A-treated cartilage compared with vehicle-treated controls. Moreover, we demonstrated that intra-articular injection of biochanin A ameliorated cartilage degradation during the progression of OA.

Protective effects of biochanin A on articular cartilage ...

The major findings of in vivo results are that melittin attenuates the manifestation of inflammatory skin pathologies and decreases the expression of pro-inflammatory cytokines. These inflammatory cytokines are regulated by transcription factors, such as NF- κ B and AP-1, in acne lesions (Iwasaki and Medzhitov, 2004 ; Trinchieri and Sher, 2007 ; Shibata et al. , 2009) .

The Protective Effects of Melittin on Propionibacterium ...

Lipopolysaccharide (LPS) is known to produce endotoxic shock by triggering systemic inflammatory responses. Here, we evaluated the protective effects of three fermented/re-fermented herbs, Rhizoma Atractylodis Macrocephalae, Massa Medicata Fermentata, and Dolichoris Semen, in an LPS-mediated inflammatory insult, either individually in vitro using RAW264.7 cells or in combination in in vivo ...