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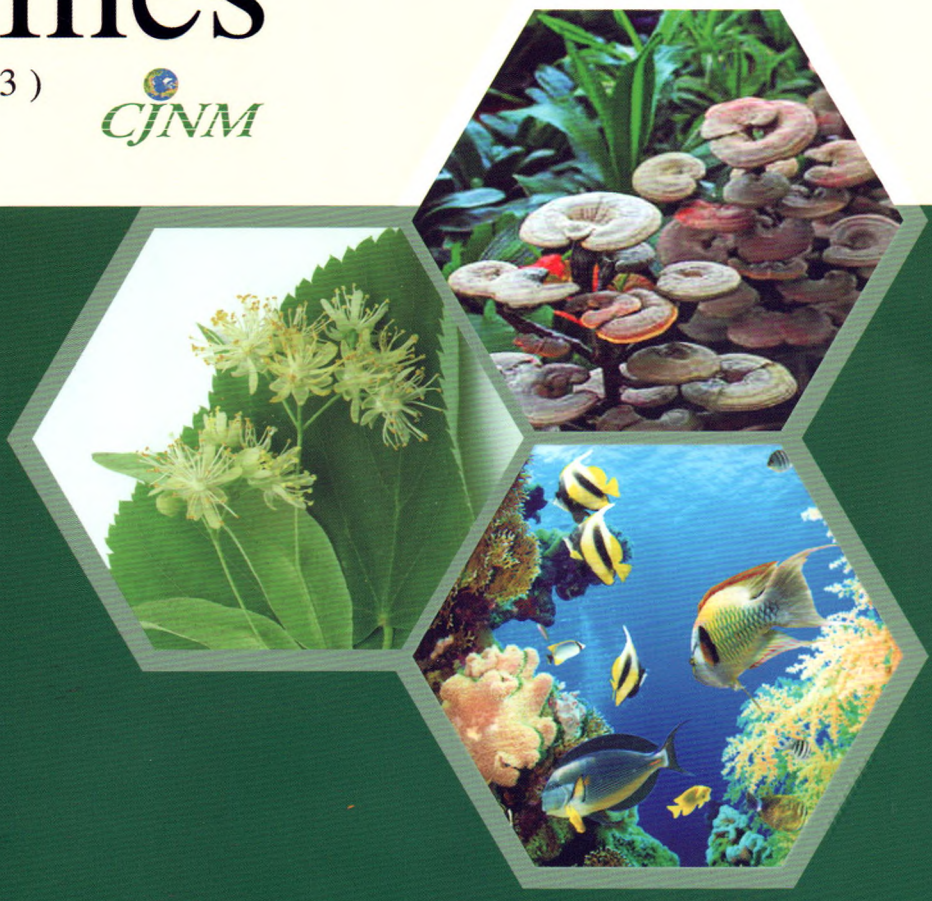

echanism for ginkgolic acid (15 : 1)-induced
DCK cell necrosis: Mitochondria and
sosomes damages and cell cycle arrest

NG Su, Ph.D., "Qiushi" Professor and Director of
Academic Council, College of Pharmaceutical
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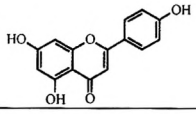
Apigenin's anticancer properties and molecular mechanisms of action: Recent advances and future prospectives **321-329**

Jumah Masoud Mohammad SALMANI[Δ], *ZHANG Xiao-Ping*[Δ], *Joe Antony JACOB, CHEN Bao-An*[*]

Apigenin, a flavonoid phytochemical found in many kinds of fruits and vegetables, possesses a high potential to be used as a chemosensitizing agent through the up-regulation of DR5 pathway.

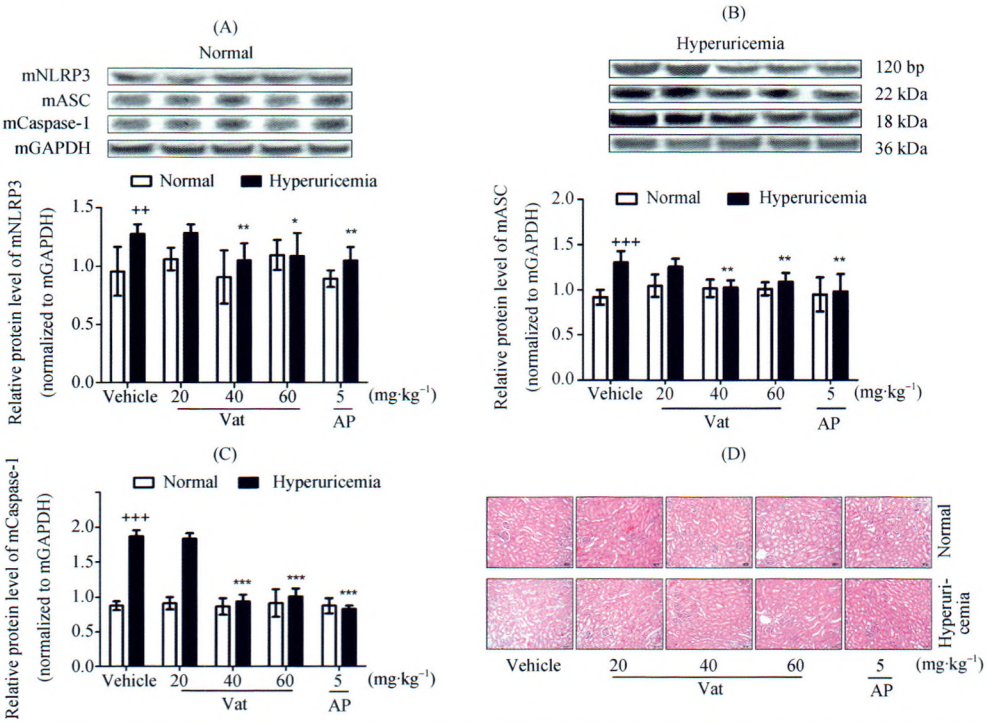


·**Research articles**·

Anti-hyperuricemic and anti-inflammatory actions of vaticaffinol isolated from *Dipterocarpus alatus* in hyperuricemic mice **330-340**

CHEN Yu-Sheng, CHEN Chao-Jun, YAN Wei, GE Hui-Ming[*], *KONG Ling-Dong*[*]

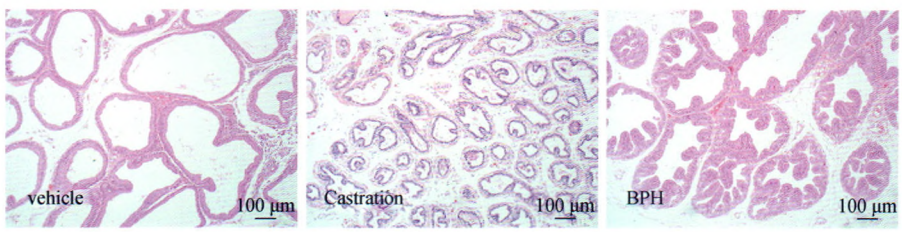
The results suggest that vaticaffinol may be useful for the prevention and treatment of hyperuricemia with kidney inflammation.



Triptolide reduces prostate size and androgen level on testosterone- induced benign prostatic hyperplasia in Sprague Dawley rats **341-346**

WANG Yu-Rong[Δ], *XU Yuan*[Δ], *JIANG Zhen-Zhou, ZHANG Lu-Yong*[*], *WANG Tao*[*]

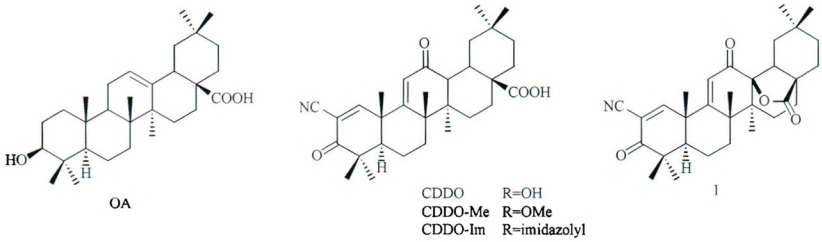
Triptolide effectively inhibits the development of BPH induced by testosterone in a rat model.



Synthesis and evaluation of 2-cyano-3, 12-dioxooleana-1, 9(11)-en-28-oate-13β, 28-olide as a potent anti-inflammatory agent for intervention of LPS-induced acute lung injury **347-354**

MOU Yi, JIAN Yan-Lin, CHEN Tong, HUANG Zhang-Jian, QIAO Yi-Xue, PENG Si-Xun, ZHANG Da-Yong, JI Hui, ZHANG Yi-Hua**

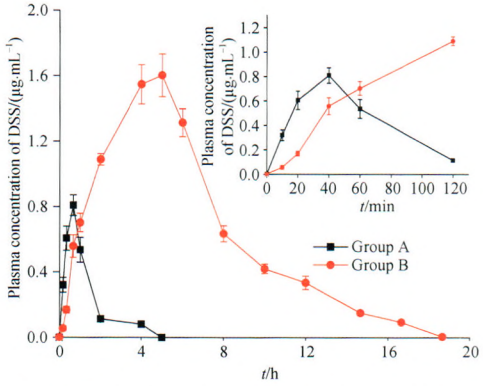
A synthesized compound, 2-Cyano-3, 12-dioxooleana-1, 9(11)-en-28-oate-13β, 28-olide, could be developed as a promising anti-inflammatory agent for intervention of LPS-induced ALI.



A lipophilic prodrug of Danshensu: preparation, characterization, and *in vitro* and *in vivo* evaluation **355-362**

*GUO Xue-Jiao, FAN Xue-Jiao, QIAO Bin, GE Zhi-Qiang**

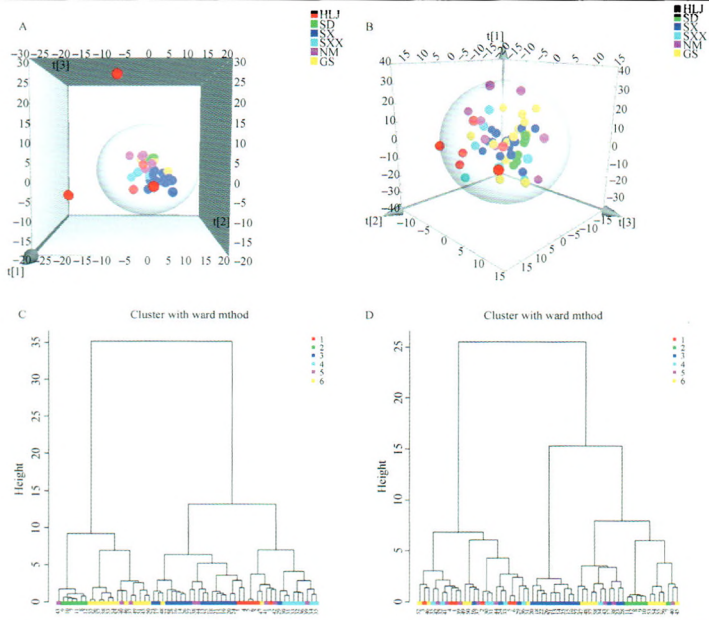
The results demonstrated that PDSS had much higher oral bioavailability and longer circulation time than its parent drug.



Nuclear magnetic resonance based metabolomic differentiation of different Astragali Radix **363-374**

LI Ai-Ping$^{\Delta}$, LI Zhen-Yu$^{\Delta*}$, QU Ting-Li, QIN Xue-Mei, DU Guan-Hua*

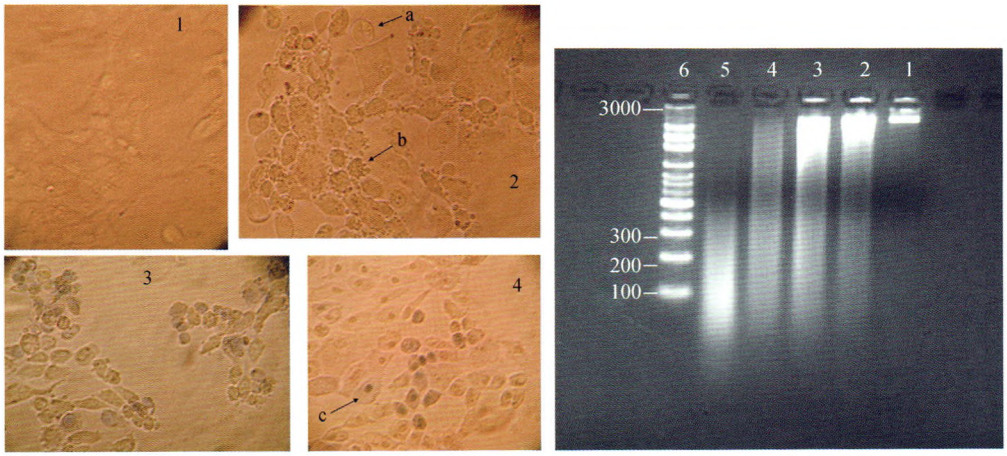
The work demonstrated that NMR-based non-targeted profiling approach, combined with multivariate statistical analysis, can be used as a powerful tool for differentiating Astragali Radix of different cultivation types or growing years.



Mechanism for ginkgolic acid (15 : 1)-induced MDCK cell necrosis: Mitochondria and lysosomes damages and cell cycle arrest **375-383**

YAO Qing-Qing[Δ], *LIU Zhen-Hua*[Δ], *XU Ming-Cheng, HU Hai-Hong, ZHOU Hui, JIANG Hui-Di, YU Lu-Shan, ZENG Su*[*]

Characteristics of necrotic cell death were observed in MDCK cells at the experimental conditions, as a result of DNA agarose gel electrophoresis and morphological observation of MDCK cells. The findings might provide useful information for a better understanding of the GA (15 : 1) induced renal toxicity.



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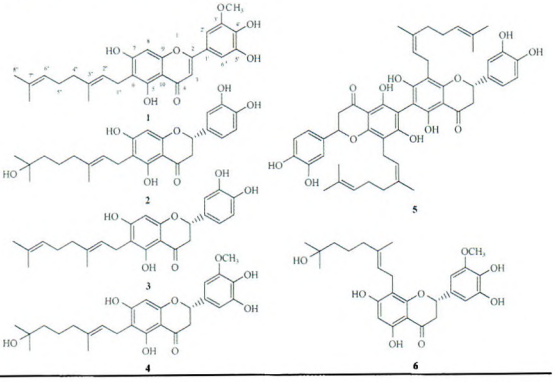
TANG Wen-Zhao[*], *WANG Ying-Ai, GAO Tian-Yang, WANG Xiao-Jing, ZHAO Yun-Xue*

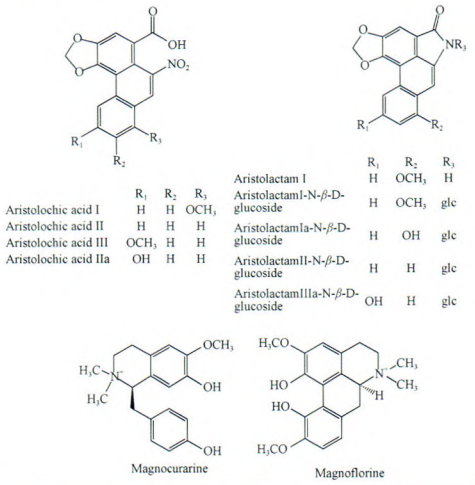
Phytochemical results indicated that *P. catalpifolia* was a natural resource of abundant *C*-geranylated flavonoids. Diplacone (**3**) and paucatalinone A (**5**) were the potent anti-aging agents in the premature senescent 2BS cells induced by H_2O_2 and the C-geranyl substituent may be an important factor because of its lipophilic character.



Characterization and quantitation of aristolochic acid analogs in different parts of Aristolochiae Fructus, using UHPLC-Q/TOF-MS and UHPLC-QqQ-MS **392-400**

MAO Wen-Wen, GAO Wen, LIANG Zhi-Tao, LI Ping, ZHAO Zhong-Zhen[*], *LI Hui-Jun*[*]

The quantitatively analytical results obtained by UHPLC-QqQ-MS showed that AA-I and AA-II exclusively accumulate in the seeds of *A. contorta*. These findings provide supporting data for the rational selection of medicinal parts



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The Chinese Journal of Natural Medicines (CJNM) is devoted to communications among pharmaceutical and medicinal plant scientists who are interested in the advancement of the botanical, chemical, and biological sciences in support of the use of natural medicines in health care, in particular, traditional Chinese medicines (TCM). CJNM aims to cover a broad spectrum of original research papers and review articles on natural medicines or their products from all over the world, including those from TCM.

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