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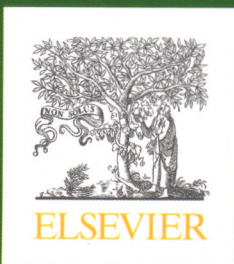
2017 **2**

Volume 15 Number 2
February 2017



Influence of ultrafiltration membrane on ophiopogonins and homoisoflavonoids in *Ophiopogon japonicus* (L.f) Ker-Gawl. as measured by ultra-fast liquid chromatography coupled with ion trap time-of-flight mass spectrometry

YU Bo-Yang, Professor of pharmacognosy, Dean of School of Chinese Pharmacy in China Pharmaceutical University



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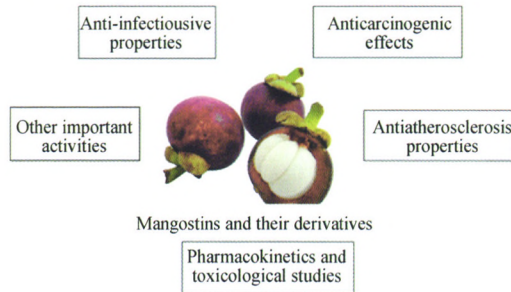
Review

Pharmacology of mangostins and their derivatives: A comprehensive review

81-93

WANG Ming-Hui, ZHANG Kuo-Jun, GU Qin-Lan, BI Xiao-Ling, WANG Jin-Xin*

Pharmacological activities of mangostins and their derivatives were summarized exhaustively. Pharmacokinetics (PK) profile and recent toxicological studies of mangostins are also described for further druggability exploration in the future.



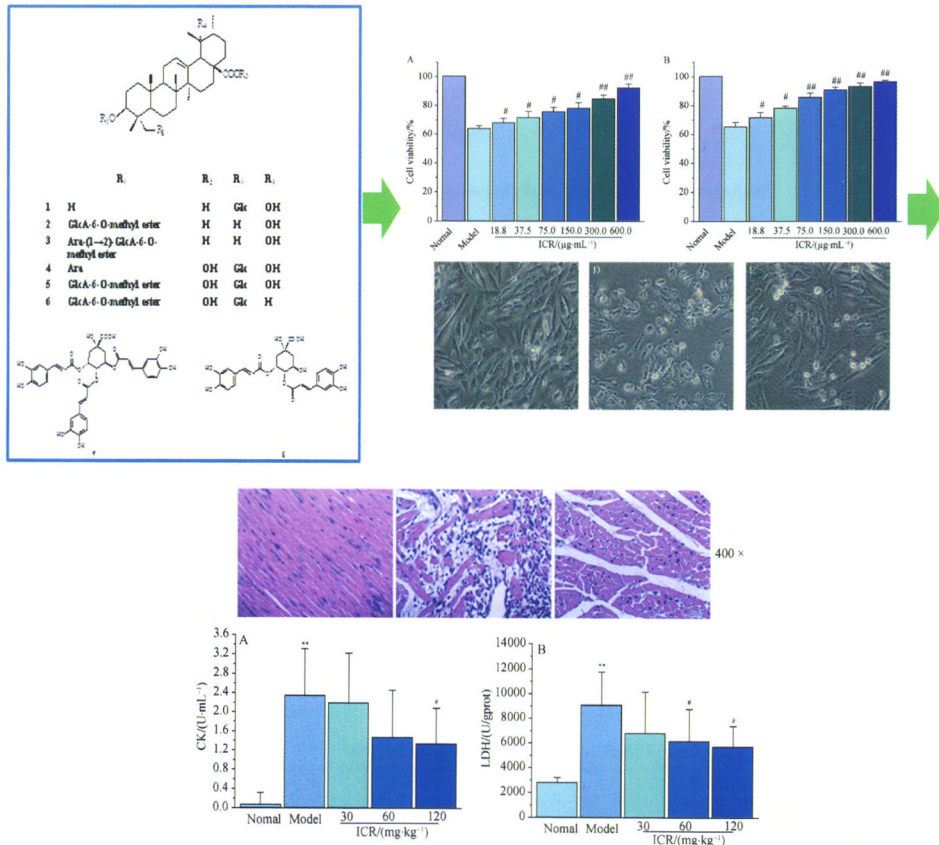
Research articles

Antioxidant and cardioprotective effects of *Ilex cornuta* on myocardial ischemia injury

94-104

YUAN Yan, PAN Shu^A, YANG Shi-Lin, LIU Yan-Li*, XU Qiong-Ming*

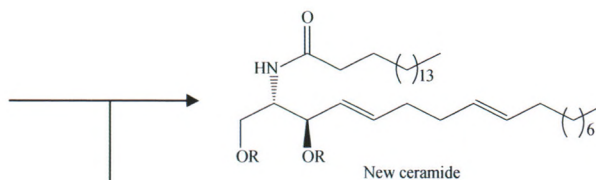
In our study *Ilex cornuta* root (ICR) exhibited DPPH free-radical scavenging activities and composed eight compounds. ICR has cardioprotective activity in rats. The mechanisms of ICR involved antioxidant and inhibited the apoptosis of cardiomyocytes. These results suggest that ICR has cardioprotective activity and could be developed as a new food supplement for the prevention of ischemic heart disease.



Abdelsamed I. Elshamy*, Walaa A. El-Kashak, Heba M. I. Abdallah, Abdelrazik H. Farrag, Mahmoud I. Nassar



Cespitularia stolonifera

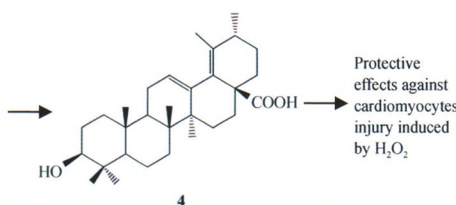


Cytotoxicity of compounds against MCF-7 and A549

Antilucer activity against EtOH and AcOH induced rats

Three new triterpenoids isolated from the aerial parts of *Ilex cornuta* and protective effects against H₂O₂-induced myocardial cell injury

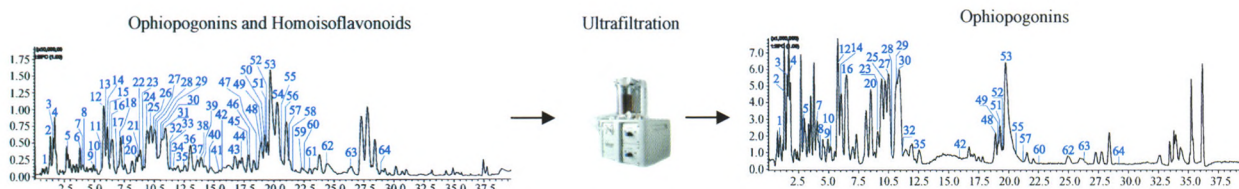
LI Shan-Shan, LIU Yan-Li, XU Qiong-Ming*, MAO Chen-Mei*, YANG Shi-Lin



Protective effects against cardiomyocytes injury induced by H₂O₂

Influence of ultrafiltration membrane on opiopogonins and homoisoflavonoids in *Ophiopogon japonicus* as measured by ultra-fast liquid chromatography coupled with ion trap time-of-flight mass spectrometry

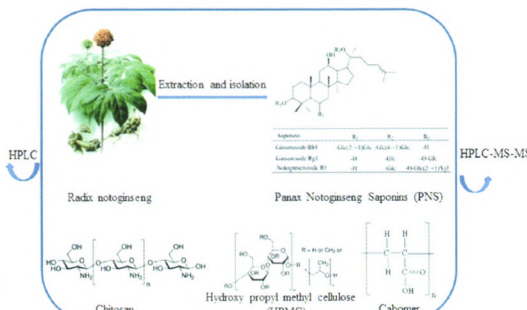
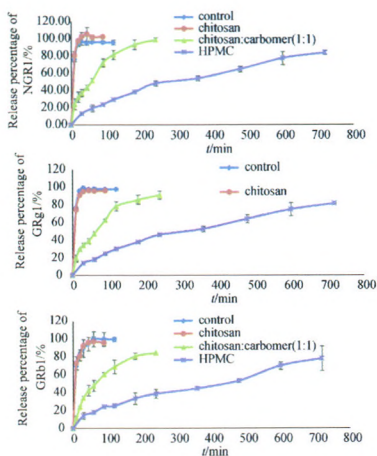
LIU Chun-Hua, QI Jin, ZHOU Da-Zheng, JU Ai-Chun*, YU Bo-Yang*



Ultrafiltration membrane significantly impacted homoisoflavonoids in *Ophiopogon japonicus*

Pharmacokinetics and correlation between *in vitro* release and *in vivo* absorption of bio-adhesive pellets of panax notoginseng saponins

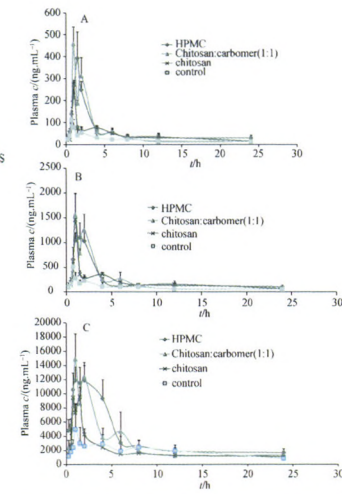
LI Ying, ZHANG Yun, ZHU Chun-Yan*



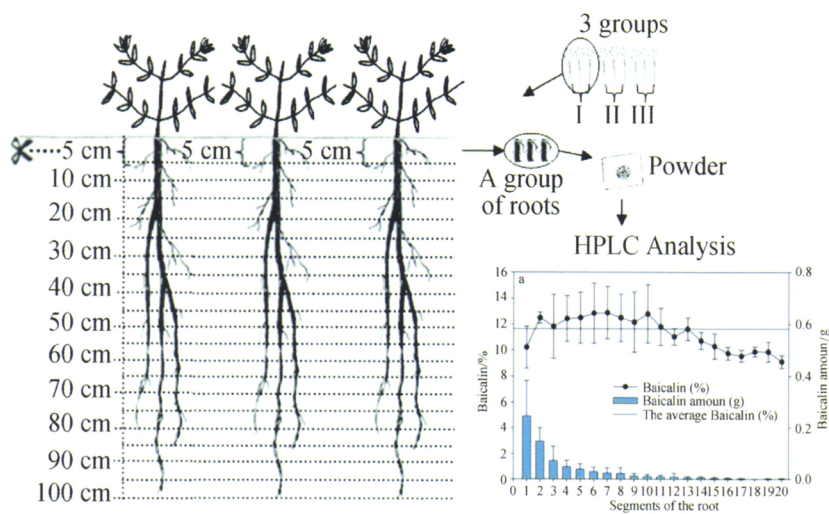
correlation between *in vitro* release and *in vivo* absorption

Numerical deconvolution technique

Good correlation for bio-adhesive pellets with HPMC, bad correlation for bio-adhesive pellets chitosan and chitosan:carbomer.



LIU Rong-Xiu, SONG Guo-Hu, WU Pei-Gen, ZHANG Xue-Wen, HU Hui-Juan, LIU Jia, MIAO Xiao-Su, HOU Zhi-Yan, WANG Wen-Quan*, WEI Sheng-Li*



[Reference of *CJNM*] CN32-1845/R*2003*m*A4*80*en*P*¥50.00*1500*07*2017-2

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Aims and Scopes

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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- DNA-based Botanical Authentication
- Medicinal Plant Resource Investigations

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