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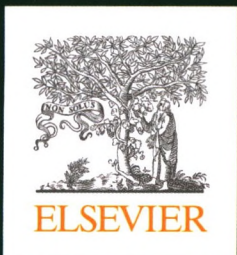


2019 6

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7-Methoxydaidzein exerts analgesic activity by inhibiting voltage-gated sodium channels
AI Ren, professor, Kunming Institute of Zoology and Nanjing Agricultural University
HEN Chuan-Bin, assistant research fellow, Kunming Institute of Zoology

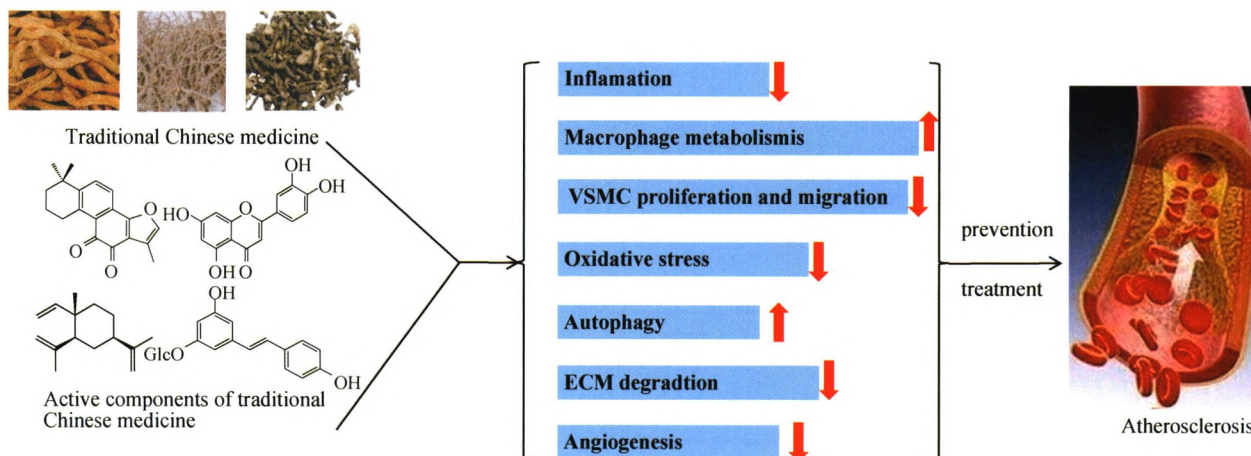


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Review

The mechanisms of traditional Chinese medicine underlying the prevention and treatment of atherosclerosis 401-412

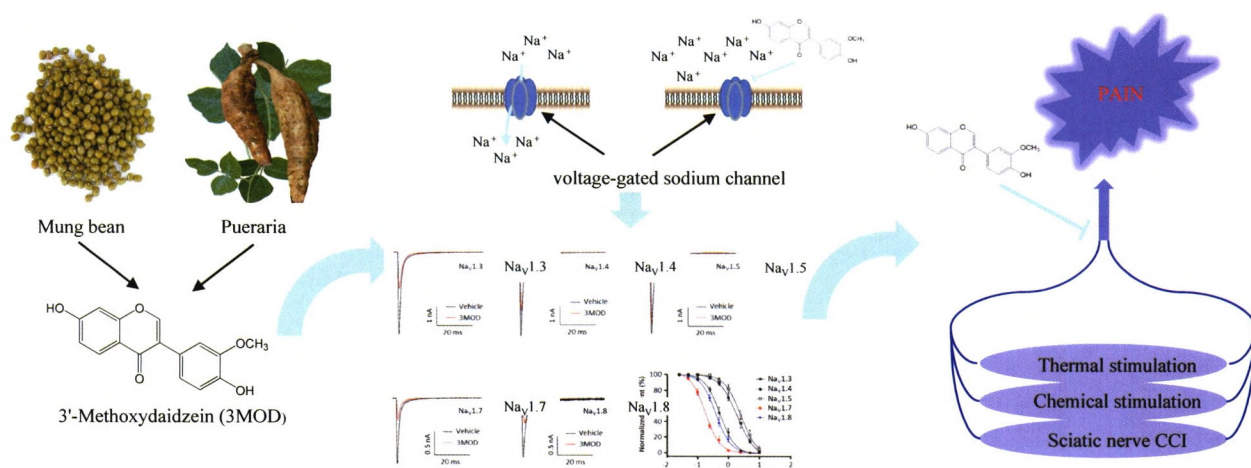
LI Ting-Ting, WANG Zhi-Bin, LI Yang, CAO Feng, YANG Bing-You, KUANG Hai-Xue*



Research articles

3'-Methoxydaidzein exerts analgesic activity by inhibiting voltage-gated sodium channels 413-423

XU Run-Jia^A, FEI Shuo-Han^A, CHEN Lin-Yan^A, WANG Gan, LIU Ming, ZHANG Wen-Sheng, YAN Xiu-Wen, LAI Ren*, SHEN Chuan-Bin*



3'-Methoxydaidzein (3MOD) shows strong analgesic activity through inhibiting subtypes Nav_v1.7, Nav_v1.8 and Nav_v1.3 with the IC₅₀ of 181 ± 14, 397 ± 26, and 505 ± 46 nmol·L⁻¹, respectively.

Pretreatment of *Populus tomentiglandulosa* protects hippocampal CA1 pyramidal neurons from ischemia-reperfusion injury in gerbils via increasing SODs expressions and maintaining BDNF and IGF-I expressions 424-434

Tae-Kyeong Lee^A, Joon Ha Park^A, Ji Hyeon Ahn, Hyunjung Kim, Minah Song, Jae-Chul Lee, Jong Dai Kim, Yong Hwan Jeon, Jung Hoon Choi, Choong Hyun Lee, In Koo Hwang, YAN Bing-Chun, Moo-Ho Won*, Il Jun Kang*

Populus tomentiglandulosa extract

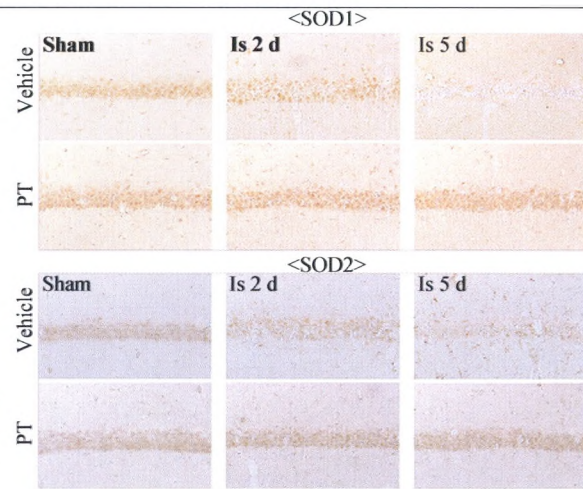


Pre-treatment
(200 mg·kg⁻¹, oral administration)



Mongolian gerbil

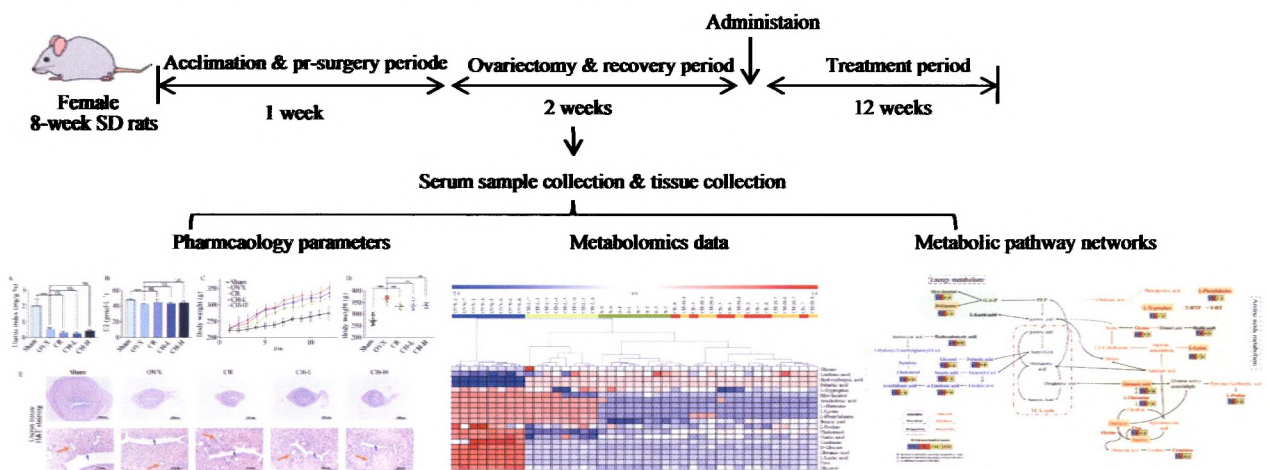
Transient global cerebral
ischemia



Increase of antioxidant enzymes

Cimicifuga heracleifolia is therapeutically similar to black cohosh in relieving menopausal symptoms: evidence from pharmacological and metabolomics studies 435-445

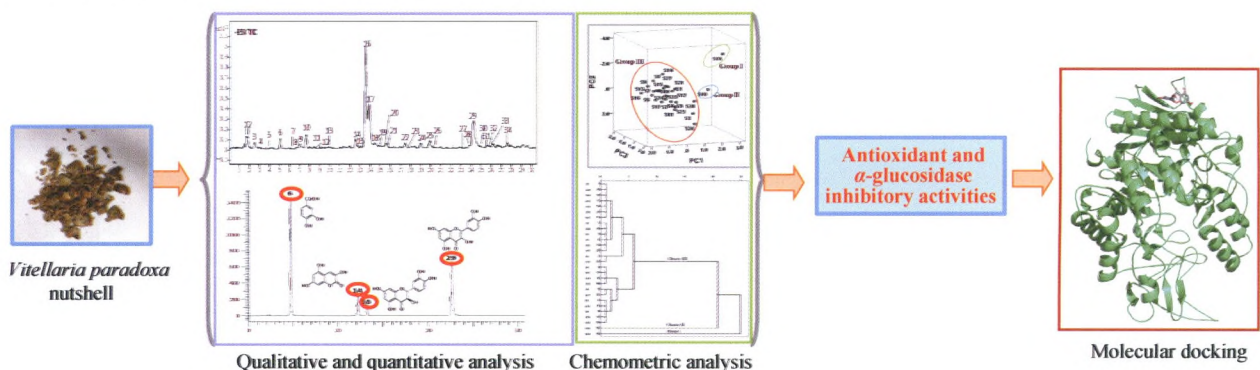
MIAO Lan-Yun, CHU Thi Thanh Huyen, LI Ping, JIANG Yan*, LI Hui-Jun*



This study demonstrated that *Cimicifuga heracleifolia* (CH) is therapeutically similar to *C. racemose* (CR) in relieving menopausal symptoms and CH could be considered as a promising alternative to CR instead of an adulterant in the market of botanical dietary supplements.

Vitellaria paradoxa nutshells from seven sub-Saharan countries as potential herbal medicines for treating diabetes based on chemical compositions, HPLC fingerprints and bioactivity evaluation 446-460

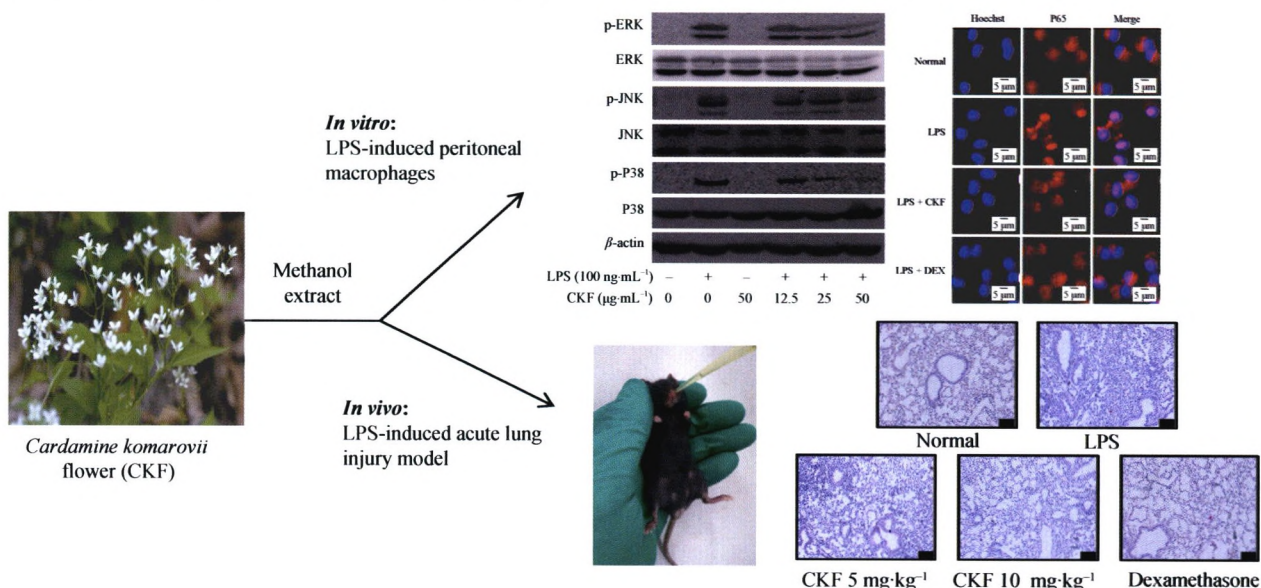
LI Da, XIAO Jian-Qi, LIU Wen-Yuan, ZHANG Chao-Feng, AKIHISA Toshihiro, ABE Masahiko, MASTERS Eliot-T., ZHAI Wei-Wei, FENG Feng*, ZHANG Jie*



The study provided an effective approach to waste utilization of *V. paradoxa* nutshell based on chemical compositions, HPLC fingerprints and bioactivity evaluation, which would help to resolve waste environmental pollution and provide a basis for developing potential herbal resource for treating diabetes.

Cardamine komarovii flower extract reduces lipopolysaccharide-induced acute lung injury by inhibiting MyD88/TRIF signaling pathways 461-468

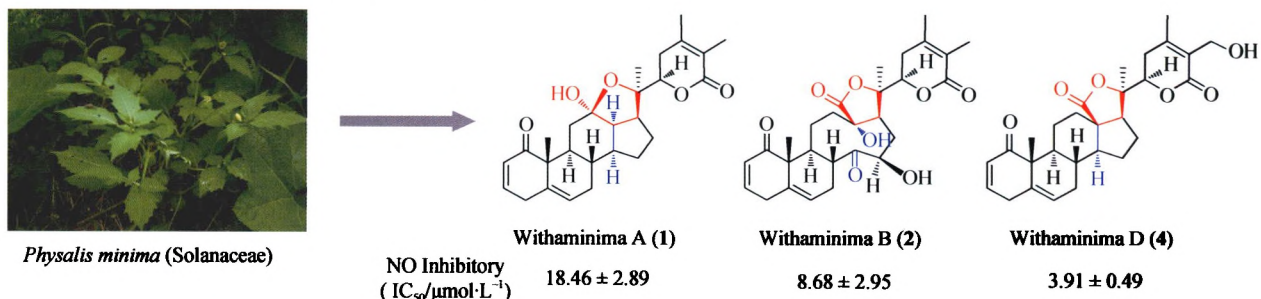
CHEN Qi^d, ZHANG Ke-Xin^d, LI Tai-Yuan, PIAO Xuan-Mei, LIAN Mei-Lan, AN Ren-Bo, JIANG Jun^{*}



CKF can protect mice from LPS-induced acute lung injury. The mechanism is mainly suppress expression of inflammatory factors in LPS-induced macrophages by regulating the MyD88 and TRIF signaling pathways.

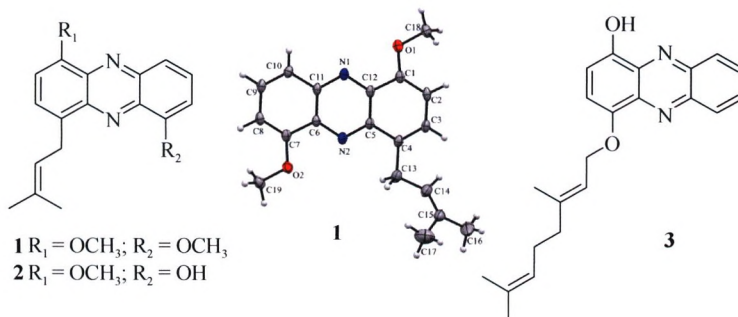
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WEI Shan-Shan^d, GAO Cai-Yun^d, LI Rui-Jun, KONG Ling-Yi^{*}, LUO Jun^{*}



Bioactive phenazines from an earwig-associated *Streptomyces* sp. 475-480

HAN Hao^d, GUO Zhi-Kai^d, ZHANG Bo, ZHANG Mei, SHI Jing, LI Wei, JIAO Rui-Hua, TAN Ren-Xiang, GE Hui-Ming^{*}



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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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