



Chinese Journal of Natural Medicines

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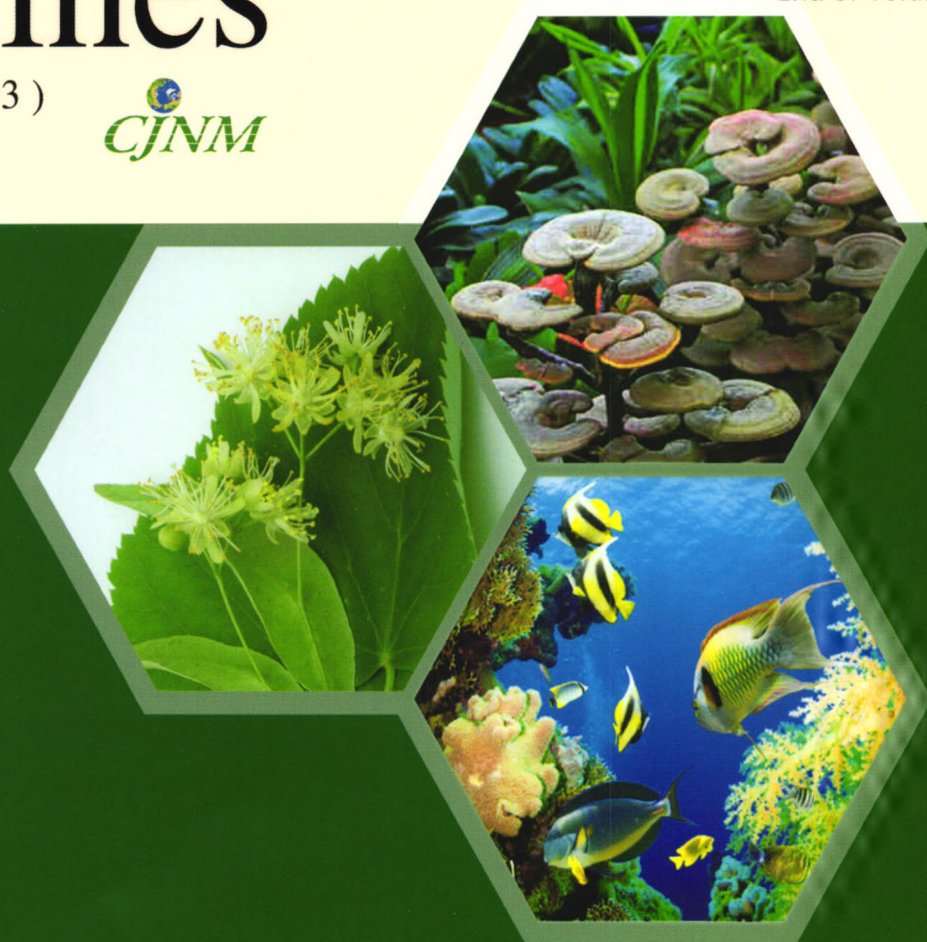
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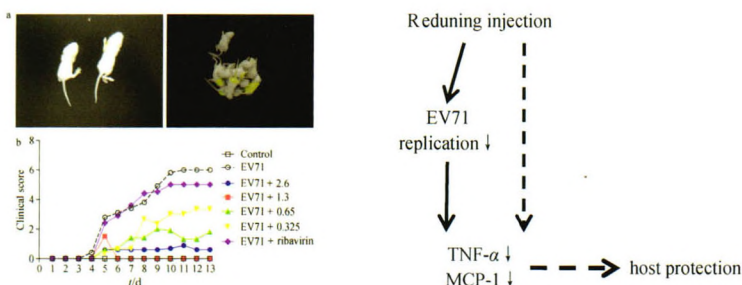
Science Press

Research articles

Antiviral effects of Reduning injection against Enterovirus 71 and possible mechanisms of action 881-888

CAO Ze-Yu, CHANG Xiu-Juan, ZHAO Zhong-Peng, CAO Liang, XIAO Wei*

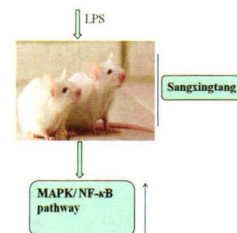
This study showed promising protective effects of Reduning injection against EV71 infection in Vero cells and in mice. Further molecular biological and immunological indicated Reduning injection could inhibit EV71 replication and cytokines secretion in host cells.



Sangxingtang inhibits the inflammation of LPS-induced acute lung injury in mice by down-regulating the MAPK/NF-κB pathway 889-895

ZHANG Tian-Zhu, YANG Shi-Hai*, YAO Jin-Fu, DU Juan

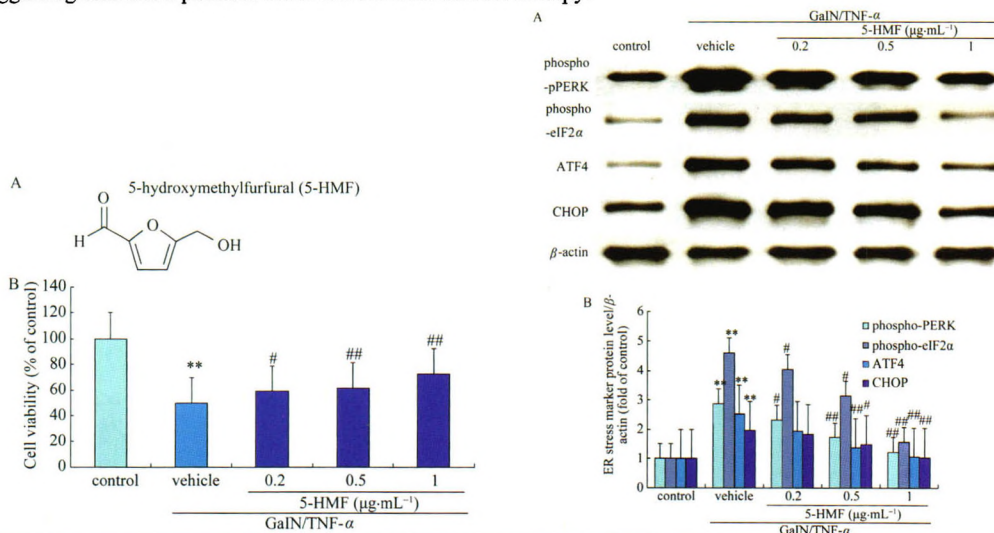
This study showed that the treatment with the Sangxingtang markedly attenuated the inflammatory cell numbers in the BALF, decreased the levels of P-P38MAPK, P-Erk, P-Jnk and P-NF-κB p65 and the total protein levels in lungs, improved the SOD activity and inhibited the MPO activity. Histological studies demonstrated that SXT substantially reduced the LPS-induced neutrophils in lung tissues.



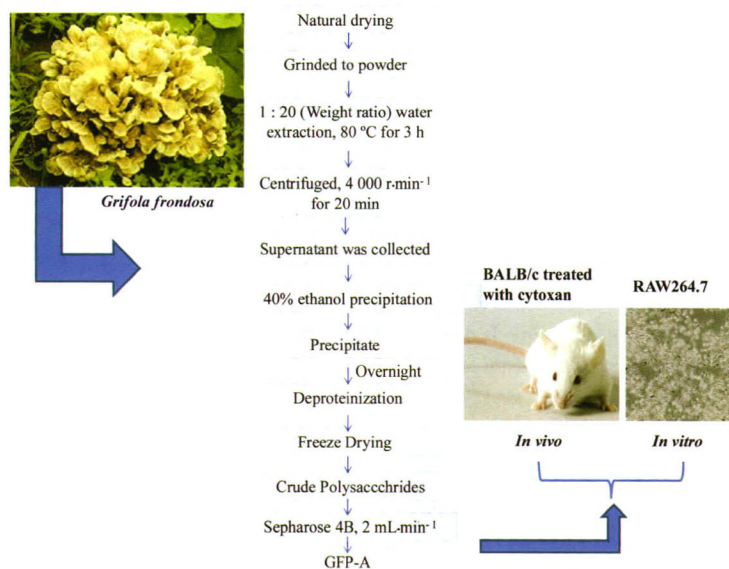
5-Hydroxymethylfurfural protects against ER stress-induced apoptosis in GalN/TNF-α-injured L02 hepatocytes through regulating the PERK-eIF2α signaling pathway 896-905

JIANG Ze-Qun, MA Yan-Xia, LI Mu-Han, ZHAN Xiu-Qin, ZHANG Xu*, WANG Ming-Yan*

The study showed that 5-HMF, a water-soluble compound extracted from wine-processed Fructus corni, can effectively protect GalN/TNF-α-injured L02 hepatocytes against ER stress-induced apoptosis through the regulation of the PERK-eIF2α signaling pathway, suggesting that it is a possible candidate for liver disease therapy.



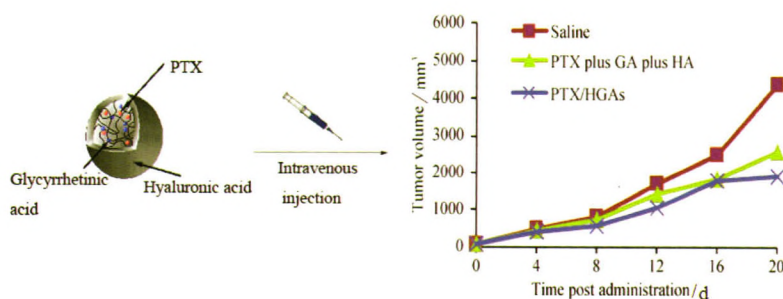
MA Xiao-Lei, MENG Meng, HAN Li-Rong, LI Zheng, CAO Xiao-Hong, WANG Chun-Ling*



Improved antitumor activity and safety profile of a paclitaxel-loaded glycyrrhetic acid-graft-hyaluronic acid conjugate as a synergistically targeted drug delivery system

ZHANG Li, ZHOU Jian-Ping*, YAO Jing*

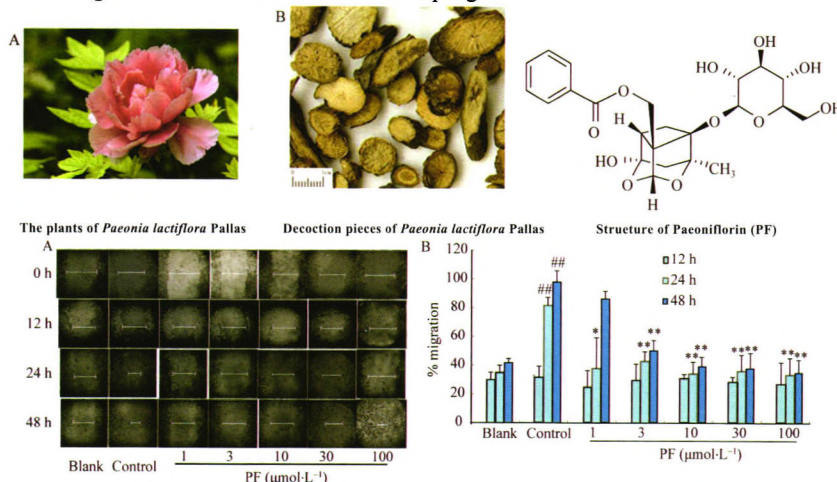
Lyophilized paclitaxel (PTX)-loaded self-assembled glycyrrhetic acid-graft-hyaluronic acid (HGA) nanoparticles (PTX/HGAs) demonstrated inhibitory effects tumor growth without unwanted side effects, suggesting that HGA conjugates hold a great potential as a delivery carrier for cancer chemotherapeutics to improve therapeutic efficacy and minimize adverse effects.



Paeoniflorin inhibits macrophage-mediated lung cancer metastasis

WU Qi, CHEN Gang-Ling*, LI Ya-Juan, CHEN Yang, LIN Fang-Zhen

Paeoniflorin (PF), the major active constituent of *Paeonia lactiflora*, can reduce lung metastasis of Lewis lung cancer cells xenograft partly through inhibiting the alternative activation of macrophages.

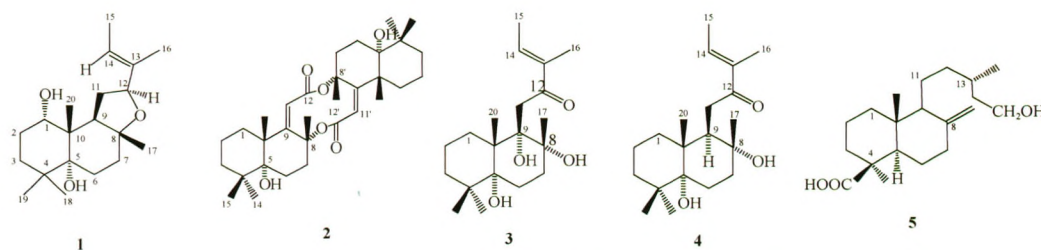


Scapaundulin C, a novel labdane diterpenoid isolated from Chinese liverwort *Scapania undulate*, inhibits acetylcholinesterase activity

933-936

KANG Ya-Qi, ZHOU Jin-Chuan, FAN Pei-Hong, WANG Shu-Qi, LOU Hong-Xiang*

A new labdane diterpenoid scapaundulin C (1), and four related known compounds (2–5) were isolated from the Chinese liverwort *Scapania undulate* (L.) Dum. All the compounds were tested to exhibit moderate AchE inhibitory activity with minimal inhibitory quantities ranging from 250 to 500 ng. Compounds 3 and 4 exhibited moderate inhibitory effects on the growth of A2780 cells.

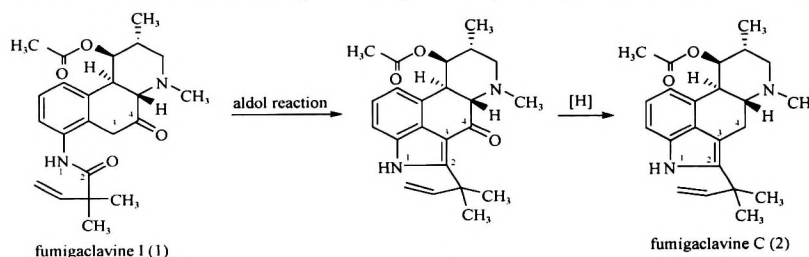


Fumigaclavine I, a new alkaloid isolated from endophyte *Aspergillus terreus*

937-941

SHEN Li*, ZHU Li, LUO Qian, LI Xiao-Wen, XI Ju-Qun, KONG Gui-Mei, SONG Yong-Chun

A new alkaloid fumigaclavine I (1), along with seven known compounds were isolated from solid culture of endophyte *Aspergillus terreus*. Their structures were elucidated by various spectroscopic analyses (UV, MS, 1D and 2D NMR).

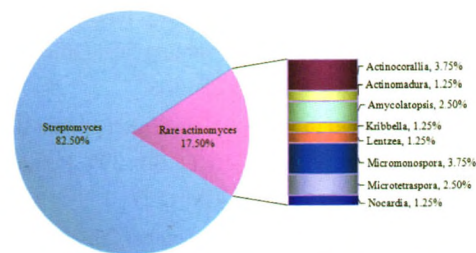


Diversity, bioactivities, and metabolic potentials of endophytic actinomycetes isolated from traditional medicinal plants in Sichuan, China

942-953

QIU Peng, FENG Zhi-Xiang, TIAN Jie-Wei, LEI Zu-Chao, WANG Lei, ZENG Zhi-Gang, CHU Yi-Wen, TIAN Yong-Qiang*

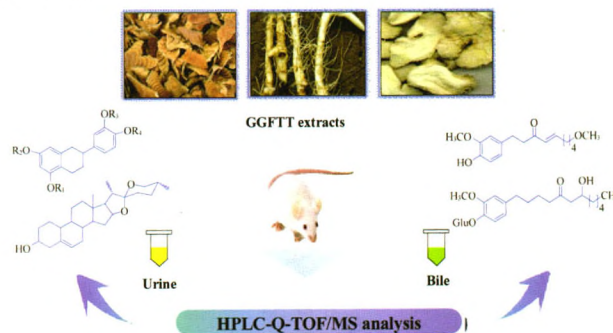
The purpose of this study was to determine the taxonomic diversity and metabolic activity of the actinomycetes isolated from 13 traditional medicinal plants. The result showed a great diversity in populations of endophytic actinomycetes community. The bioactivity assays indicated that endophytic actinomycetes from traditional medicinal plants would be reliable source for natural bioactive compounds screening.



Metabolic profile of Guge Fengtong tablet in rat urine and bile after oral administration, using high-performance liquid chromatography coupled with electrospray ionization quadrupole time-of-flight mass spectrometry

954-960

ZENG Su-Ling, LI Ping*, LIU E-Hu*



JCR IF: 1.114



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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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