



Chinese Journal of Natural Medicines

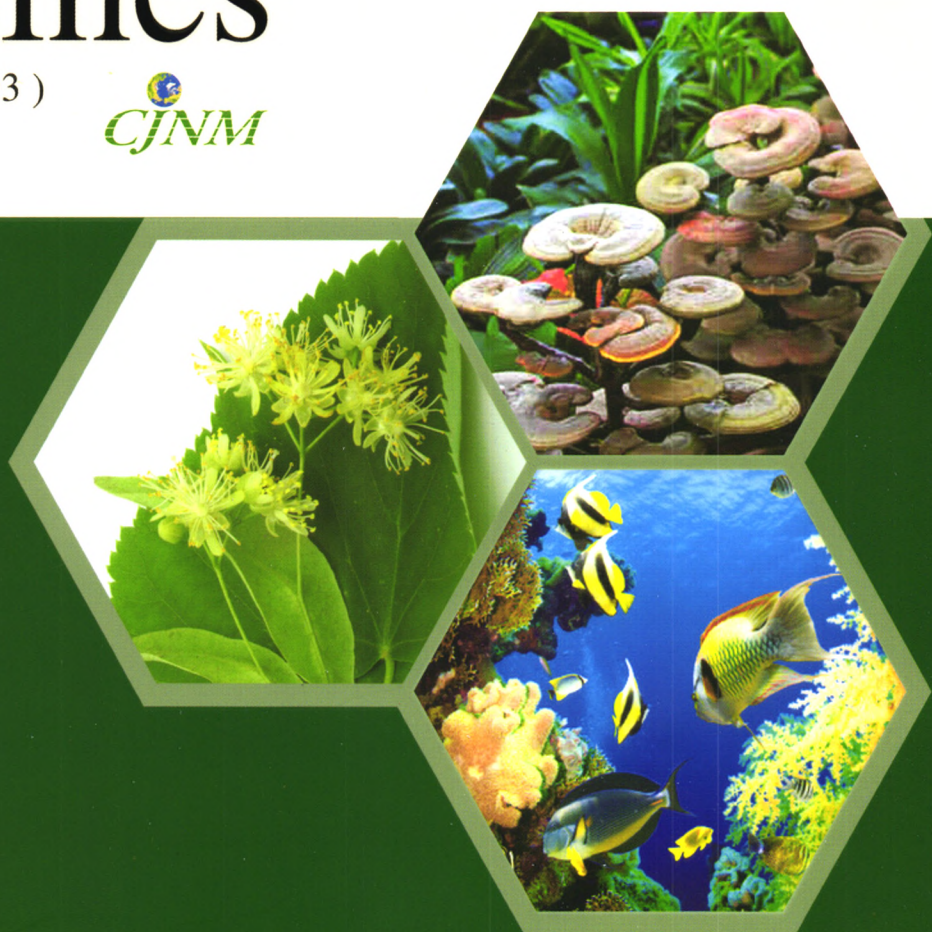
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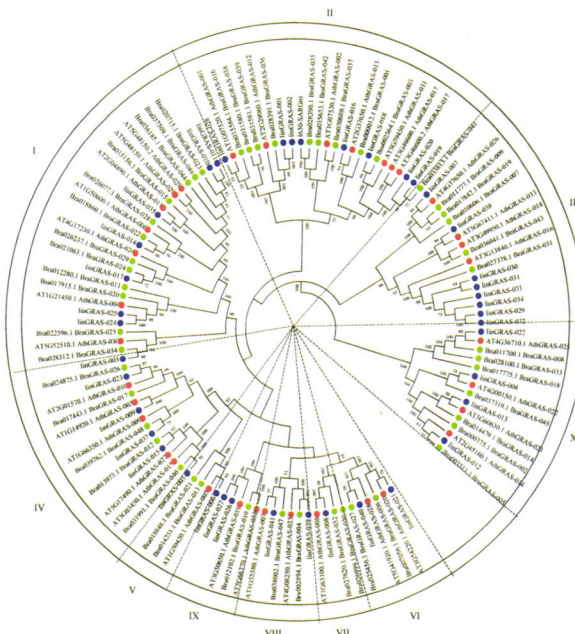
Science Press

·Reviews·

Computational identification and systematic classification of novel GRAS genes in *Isatis indigotica* 161-176

ZHANG Lei, LI Qing^{△,*}, CHEN Jun-Feng, CHEN Wan-Sheng*

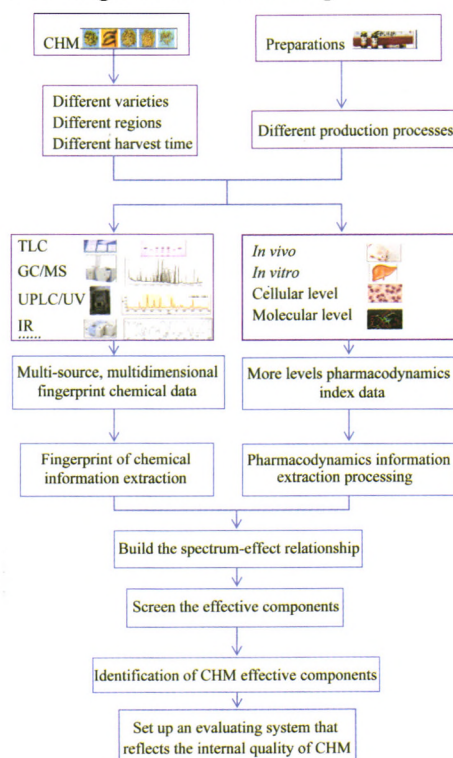
Identification and classification of *Isatis indigotica* GRAS genes for the first time.



The spectrum-effect relationship—a rational approach to screening effective compounds, reflecting the internal quality of Chinese herbal medicine 177-184

ZHU Chun-Sheng, LIN Zhi-Jian, XIAO Ming-Liang, NIU Hong-Juan, ZHANG Bing*

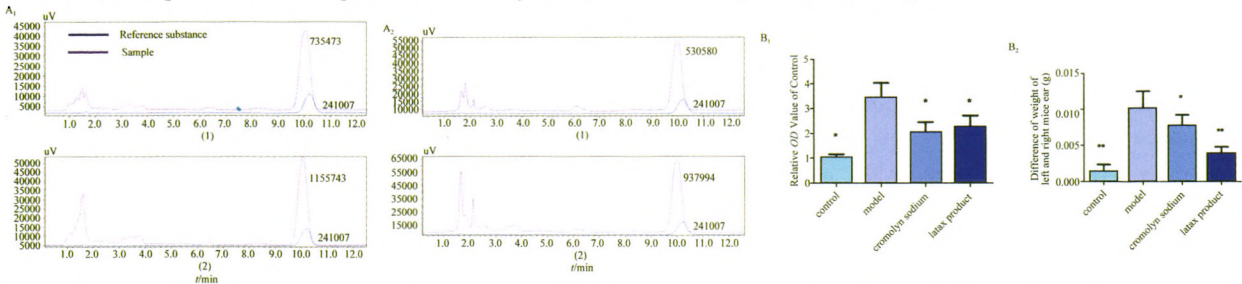
In this paper, we systematically reviewed recent progress and discussed the key problems about the spectrum-effect relationship theory, so as to provide ideas and references for screening the CHM effective components that are accurately reflecting the internal quality of CHM.



A novel arctigenin-containing latex glove prevents latex allergy by inhibiting type I/IV allergic reactions 185-195

WANG Yong-Xin, XUE Dan-Ting, LIU Meng, ZHOU Zheng-Min, SHANG Jing*

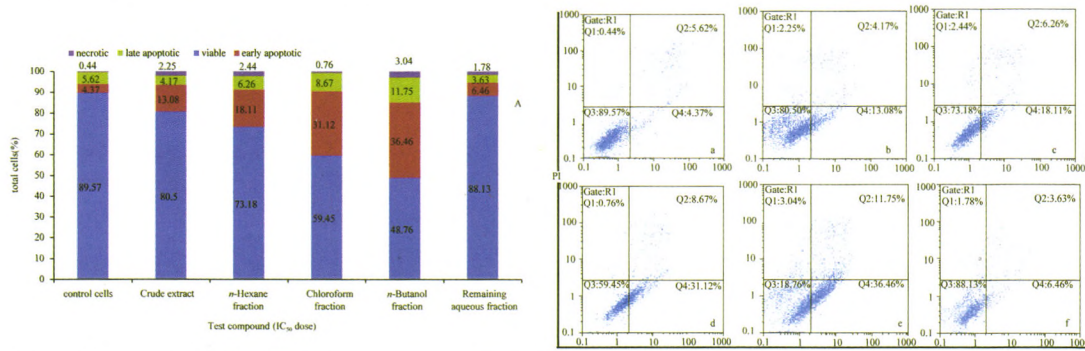
Arctigenin showed anti-type I and IV allergic effects *in vitro* and *in vivo*, with a good stability under latex glove manufacturing conditions, and a persistent anti-allergic effect after being added into the latex to prevent latex allergy.



In vitro antiproliferative and apoptosis-inducing activities of crude ethyle alcohole extract of Quercus brantii L. acorn and subsequent fractions 196-202

Mohammad-taghi Moradi, Ali Karimi*, Somayeh Alidadi

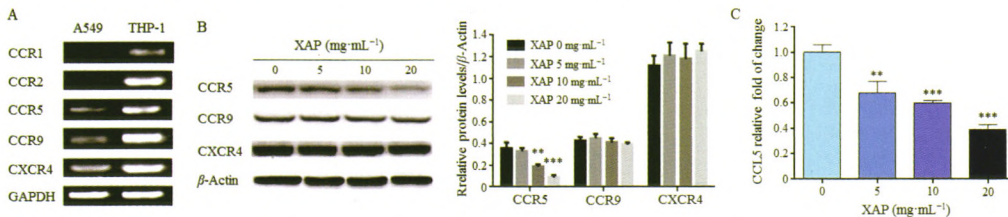
The crude ethyle alcohole extract and Cholophorm and *n*-Butanol fractions of *Q. brantii* acorn suppress the proliferation of cancer cells through induction of early apoptosis.



Marsdenia tenacissima extract suppresses A549 cell migration through regulation of CCR5-CCL5 axis, Rho C, and phosphorylated FAK 203-209

LIN Sen-Sen, LI Fang-Fang^A, SUN Li*, FAN Wei, GU Ming, ZHANG Lu-Yong, QIN Song, YUAN Sheng-Tao*

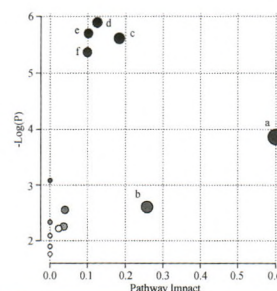
CCR5-CCL5 axis is essential in the anti-metastatic effect of *Marsdenia tenacissima*.



Urine metabonomic study for blood-replenishing mechanism of Angelica sinensis in a blood-deficient mouse model 210-219

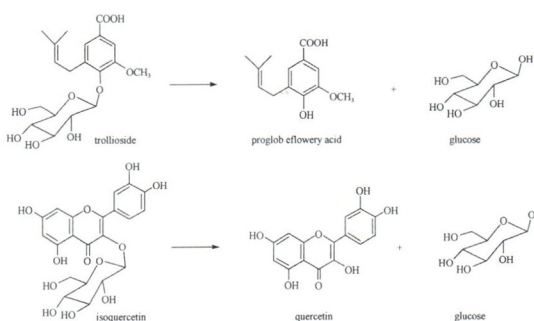
WANG Tao, SUN Hong-Guo, HUA Yong-Li, LI Peng-Ling, WEI Yan-Ming*

Enriching-blood effect mechanisms of AS involve regulating synthesis and degradation of ketone bodies, pyruvate metabolism, TCA cycle, and glycolysis/gluconeogenesis through urine metabonomic study based on GC-MS.



YUAN Ming, SHI Duo-Zhi, WANG Teng-Yu, ZHENG Shi-Qi, LIU Li-Jia, SUN Zhen-Xiao, WANG Ru-Feng*, DING Yi*

The article demonstrates the function of human intestinal flora in the metabolism and activity modification of trolloside and isoquercetin.

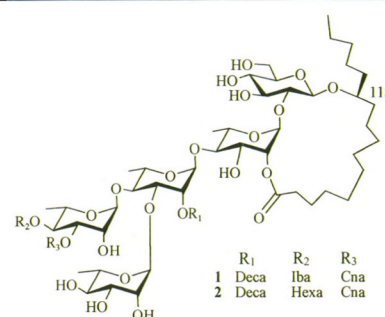


Two new resin glycosides isolated from *Ipomoea cairica* with α -glucosidase inhibitory activity

227-231

LI Jie-Hong, PAN Jie-Tao, YIN Yong-Qin*

From the aerial parts of *Ipomoea cairica*, two new pentasaccharide resin glycosides, cairicoside A (1) and cairicoside B (2) were isolated and identified. New compounds 1–2 have been evaluated for their α -glucosidase inhibition activity, which all showed significant inhibitory activities on α -glucosidase.

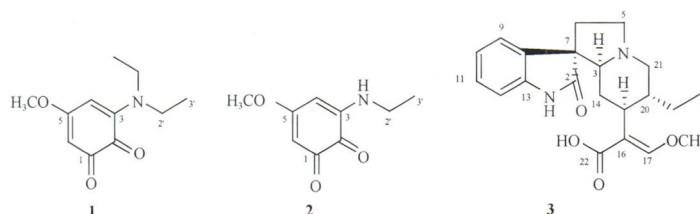


Two new ortho benzoquinones from *Uncaria rhynchophylla*

232-235

ZHANG Qian, CHEN Lei, HU Le-Jian, LIU Wen-Yuan, FENG Feng*, QU Wei*

Two new ortho benzoquinones, 3-diethylamino-5-methoxy-1, 2-benzoquinone (1) and 3-ethylamino-5-methoxy-1, 2-benzoquinone (2), together with a known compound isorhynchophyllic acid (3) were isolated from *U. rhynchophylla*.

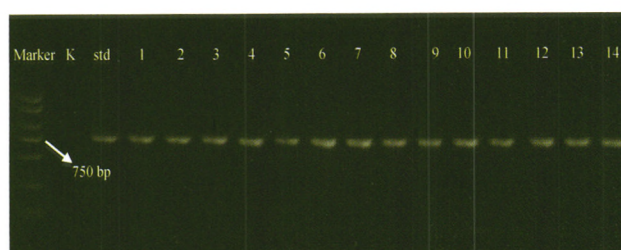


Sources of varieties and quality of circular *Fructus Ligustri Lucidi*

236-240

LI Yan-Peng, WANG Si-Jia, ZANG Yi-Mei, HU Zhong-Sheng, LIU Chun-Sheng*

With the combined molecular identification and chemical evaluation, authenticity and quality of the two specifications of *Fructus Ligustri Lucidi* could be identified simultaneously for the first time.



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Chinese Journal of Natural Medicines

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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