



# Chinese Journal of Natural Medicines

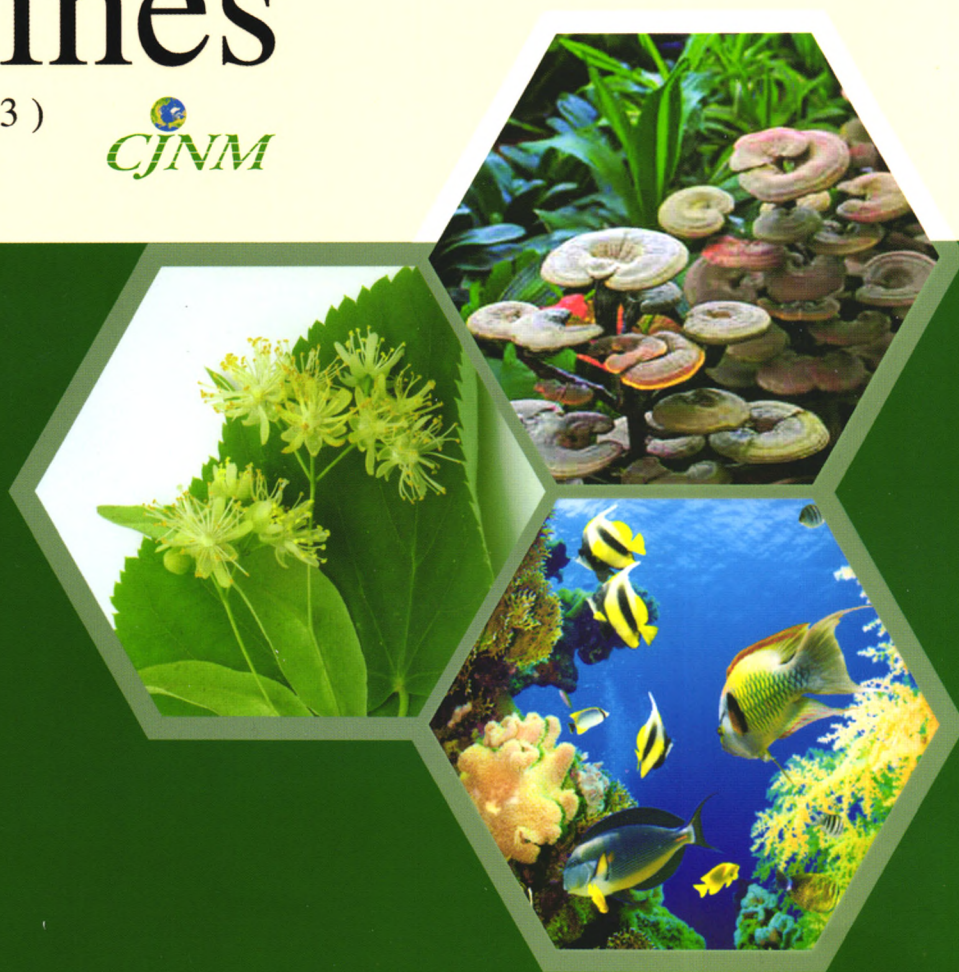
( Monthly, Founded in 2003 )

Original name: 中国天然药物



2016 5

Volume 14 Number 5  
May 2016



ELSEVIER

Sponsored by



China Pharmaceutical University



Chinese Pharmaceutical Association

Published by



Science Press

# CHINESE JOURNAL OF NATURAL MEDICINES

Volume 14, Number 5, May 2016

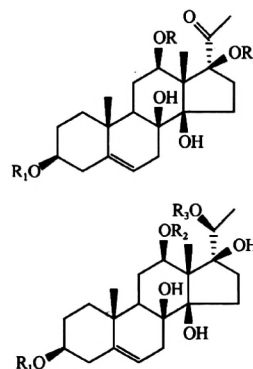
## Contents

### Review

Recent advances in phytochemistry and pharmacology of C<sub>21</sub> steroid constituents from *Cynanchum* plants 321-334

GU Xiao-Jie\*, HAO Da-Cheng

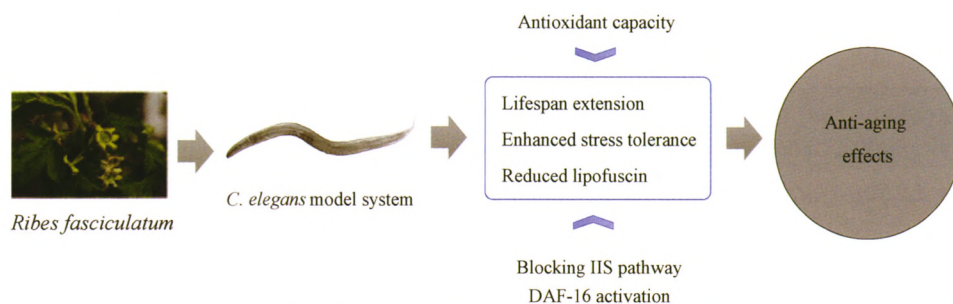
*Cynanchum* is one of the most important genera in Asclepiadaceae family, which has long been known for its therapeutic effects. C<sub>21</sub> steroids, as the typical constituents of *Cynanchum* species, possess a variety of structures and pharmacological activities. This review summarizes the comprehensive information on phytochemistry and pharmacology of C<sub>21</sub> steroid constituents from *Cynanchum* plants, based on reports published between 2007 and 2015. A total of 172 newly identified compounds are reviewed according to their structural classifications. Their pharmacological studies are also reviewed and discussed, focusing on antitumor, antidepressant, antifungal, antitaging, Na<sup>+</sup>/K<sup>+</sup>-ATPase inhibitory, appetite suppressing and antiviral activities.



### Research articles

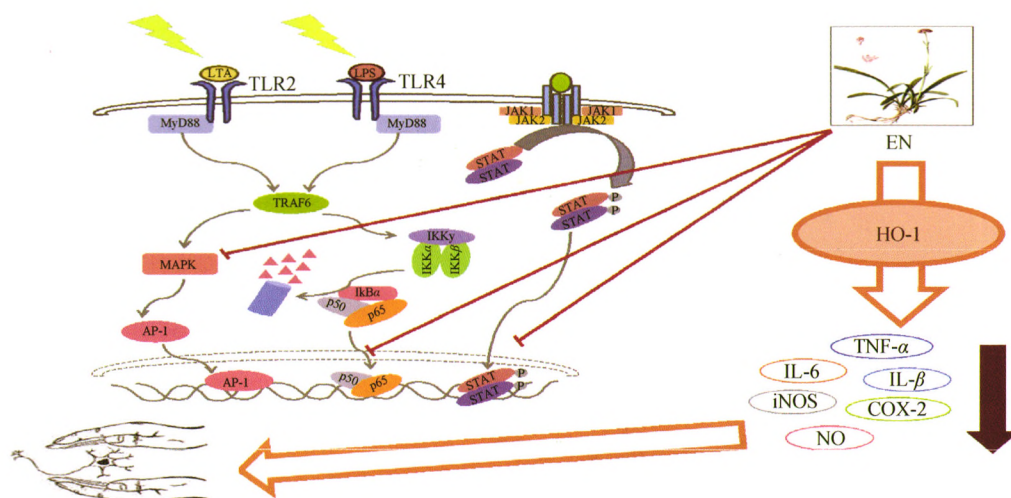
Anti-aging properties of *Ribes fasciculatum* in *Caenorhabditis elegans* 335-342

Hoon Jeon, Dong Seok Cha\*

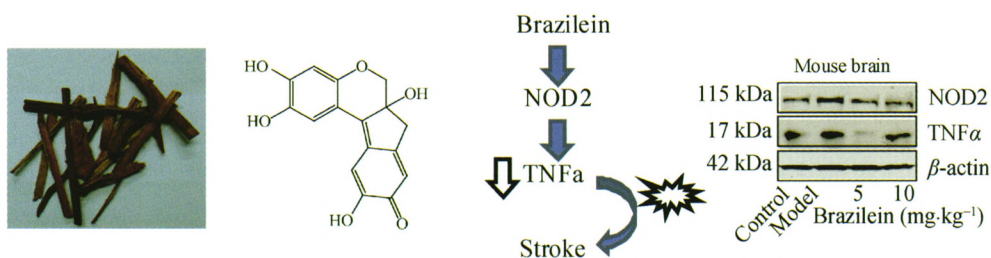


Anti-neuro-inflammatory effects of *Nardostachys chinensis* in lipopolysaccharide-and lipoteichoic acid-stimulated microglial cells 343-353

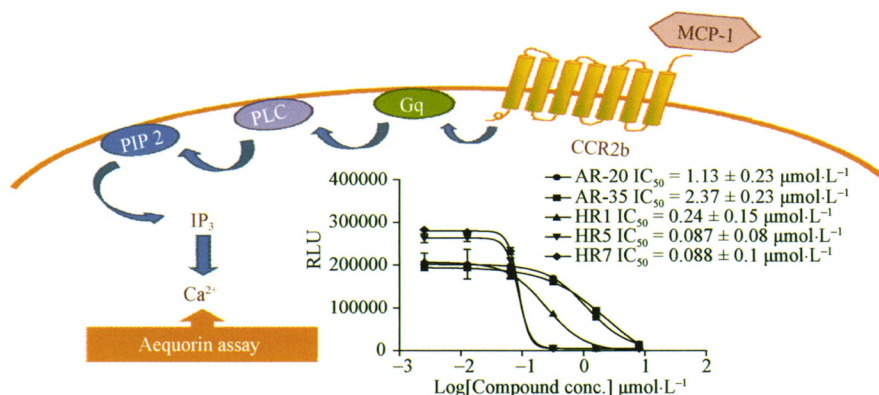
Sun Young Park, Young Hun Kim, Geuntae Park\*



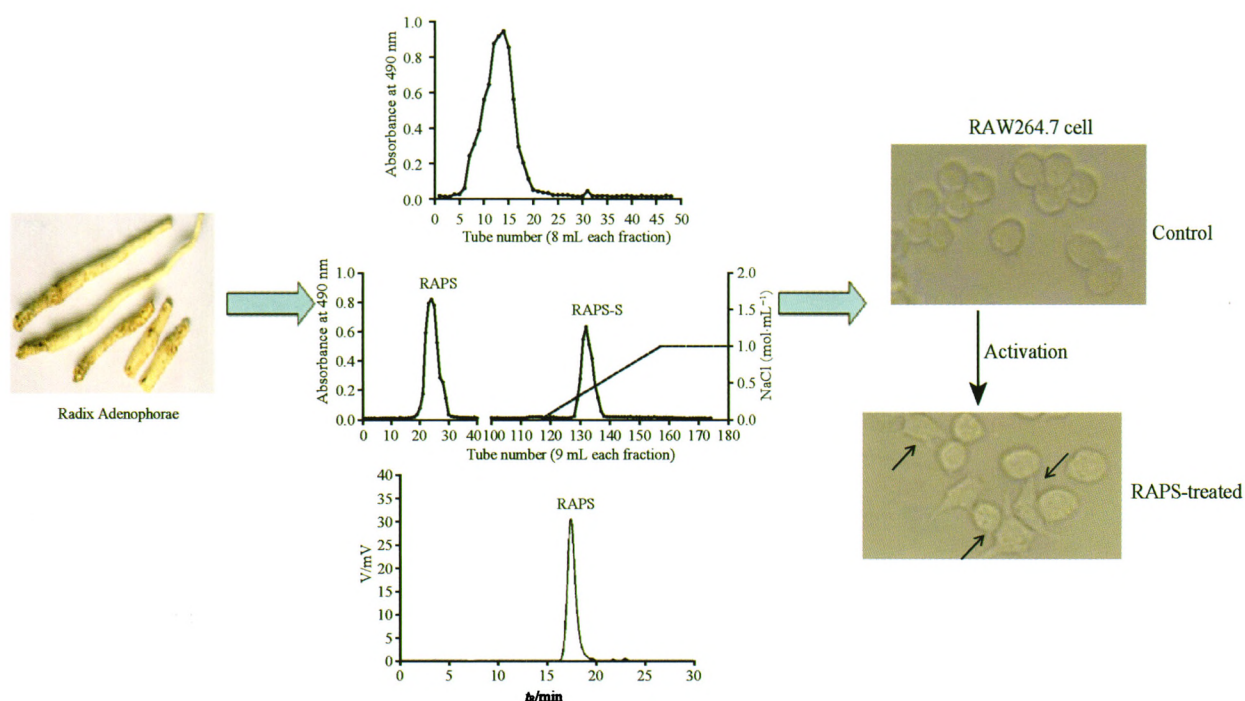
YAN Xiao-Jin, CHAI Yu-Shuang, YUAN Zhi-Yi, WANG Xin-Pei, JIANG Jing-Fei, LEI Fan, XING Dong-Ming\*, DU Li-Jun\*



YU Qin-Wei, HU Jie, WANG Hao, CHEN Xin, ZHAO Fang, GAO Peng, YANG Qiu-Bin, SUN Dan-Dan, ZHANG Lu-Yong\*, YAN Ming\*

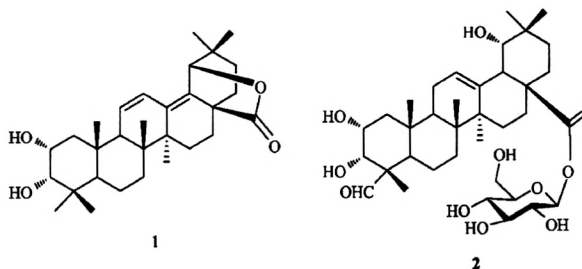


LI Jing-Wen, LIU Yang, LI Bao-Hui, WANG Yue-Yang, WANG Hui, ZHOU Chang-Lin\*



ZHANG Xu, ZHU Zhi-Xiang, WANG Juan, YANG Wan-Qing, SU Cong, LI Jun, ZHANG Yuan, ZHENG Jiao, SHI She-Po\*, TU Peng-Fei\*

Two new oleanane-type triterpenoids, parviolactone A (1) and rubuside P (2), together with 11 known triterpenoids, were isolated from the roots of *Rubus parvifolius*.

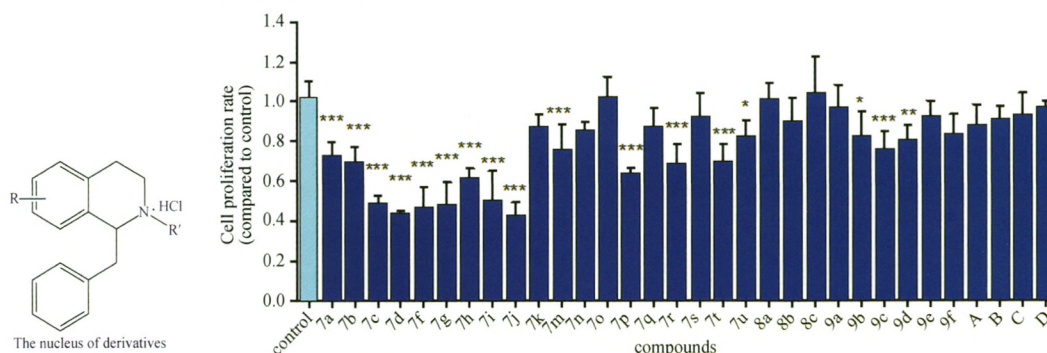


## Synthesis and evaluation of benzyloquinoline derivatives for their inhibition on pancreatic lipase and preadipocyte proliferation

382-390

TIAN Feng, LV Hao-Yu, ZOU Ji-Long, WANG Yi, DUAN Meng-Jun, CHU Xiao-Qin, LI Dan, ZHU Liang\*, JIANG Jian-Qin\*

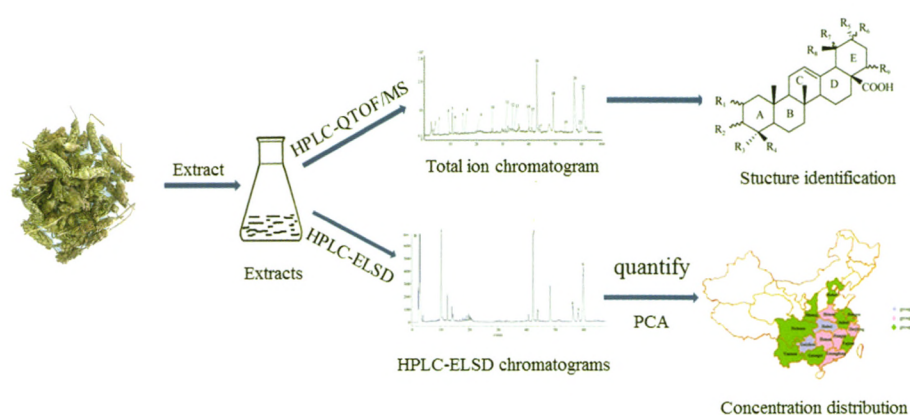
A series of benzyloquinoline derivatives were designed and synthesized, and all these derivatives were assessed *in vitro* for their inhibitory activities on pancreatic lipase and preadipocyte proliferation. Most of the compounds showed inhibitory activities on both pancreatic lipase and preadipocyte proliferation.



## Integrating qualitative and quantitative characterization of *Prunellae Spica* by HPLC-QTOF/MS and HPLC-ELSD

391-400

YANG Jie, HU Yuan-Jia, YU Bo-Yang\*, QI Jin\*



JCR IF: 1.114



Establishment: May 2003

Sponsored by  China Pharmaceutical University  
 Chinese Pharmaceutical Association  
Published by  Science Press ISSN: 2095-6975



SCIE/ Web of Knowledge



Chinese Top 100 Journal



MEDLINE/PubMed



Chinese Academic Authority Journal



Outstanding S&T Journal of Chinese University



2014, The Highest International Impact Academic Journal of China



Cooperate with Elsevier (CJCP)



Jiangsu Government Award for Publishing



Project for Enhancing International Impact of China STM Journals



Outstanding S&T Journal of China



Indexed in Chinese Science Citation Database



Chinese Scientific Core Journal



Full-text on ScienceDirect

# 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.

Coverages:

- Biological and Pharmacological Activity
- Natural Product Chemistry
- Chemical Analysis and Quality Control
- Pharmacokinetics and Clinical Efficacy
- DNA-based Botanical Authentication
- Medicinal Plant Resource Investigations

## Abstracted / Indexed in

### 17 databases on web

- SCIE
- MEDLINE/PubMed
- CAB ABSTRACTS
- CSA  
Biol Sci  
Biotechnol Bioeng Abstracts  
Ind Appl Microbiol Abstracts  
Environ Sci Poll Manag  
Virol AIDS Abstracts

- BIOSIS Previews
- BIOSIS Toxicology
- EMBASE
- EMBASE Alert
- Global Health
- IPA
- IPA Toxicology
- SCOPUS
- SCIFinder Scholar

## 5 print databases

- Chemical Abstracts
- Biological Abstracts
- Excerpta Medica
- Elsevier Bibliographic Databases
- Index Copernicus

## 1 full-text database

- ScienceDirect

## Submitting Welcome at:

(<http://mc03.manuscriptcentral.com/cjnm>)

PISSN: 2095-6975 EISSN: 1875-5364

Original PISSN: 1672-3651

Publication Frequency: 12 issues per year/Monthly

Editing: Editorial Board of Chinese Journal of Natural Medicines

Address: 24, Tongjia Xiang, Nanjing, China

Postcode: 210009

Tel: 86-25-83271565, 83271568

Fax: 86-25-83271229

E-mail: [cpucjnm@163.com](mailto:cpucjnm@163.com)

<http://www.cpucjnm.com>

Price: ¥ 50 per issue

ISSN 2095-6975



0 5>

9 772095 697151

<http://www.sciencedirect.com/science/journal/18755364>