2016 年 8 月　第 35 卷　第 8 期
月刊
1982 年 7 月创刊

药　学　研　究

JOURNAL OF PHARMACEUTICAL RESEARCH

《药学研究》编辑委员会

学 术 顾 问:陈凯先

编 委 会 主 任:桂敦山

编委会副主任:娄红祥　田景振　王凤山
李　波　史国生

主　编:史国生

委　员:(按姓氏笔画排序)

丁丽霞　马　国　王凤山　王永军
王庆利　王建新　王荣梅　王淑敏
王　鹏　尤启冬　方莲花　尹　正
尹莉芳　石任兵　龙亚秋　卢　燕
卢　懿　田景振　史国生　皮荣标
朱　平　乔善义　华子春　刘玉璇
刘培庆　刘焕香　刘景根　刘新泳
齐宪荣　安林坤　安　琳　许凤国
孙国祥　孙洪胜　杜冠华　李　华
李宏建　李　波　杨永华　杨　勇
肖衍宇　吴亚林　吴　伟　吴艳芬
何琪杨　余　蓉　沈　雁　张东明
张兰英　张庆英　张志荣　张岫美
张建军　张相林　张　莉　张培成
张　鉴　张　翱　陈士林　邵荣光
邵　蓉　罗海彬　岳建民　金少鸿
周建平　郑忠辉　郑家晴　赵渤年
胡立宏　胡昌勤　胡金锋　柳　红
娄红祥　姚庆强　顾　宁　徐志南
徐　峻　凌沛学　郭远强　郭瑞臣
郭　颖　黄容琴　梁　鸿　屠鹏飞
董俊兴　程　刚　曾　苏　游雪甫
窦桂芳

JOURNAL OF PHARMACEUTICAL RESEARCH

目　次

·专家论坛·

天然产物药物开发中资源问题的解决方案概述
…… 肖成骞,胡立宏(435)

·实验研究·

过表达 HMGR 催化结构域以优化酵母工程菌原人参二醇代谢途径的研究 …… 梁会超,胡宗凤,梁兰,巩婷,陈晶晶,杨金玲,朱平(444)

紫穗槐种子体外抗肿瘤活性部位的筛选
…… 巫鑫,廖红波,朱晓辉,杨小飞,崔燎,吴科锋(449)

毛果枳椇子的黄酮类成分研究 …… 高美华,贺婷,张晓琦,李华(453)

一测多评法测定白花丹参中丹参酮ⅡA、隐丹参酮和丹参酮Ⅰ的含量 …… 秦增贵,柳克浩,高长青,秦超(457)

丹参药材用不同水温超声提取后丹酚酸 B 的含量测定
…… 戴金明,林徐剑,施晓萍,沈莹(460)

HPLC 法测定去羧基左氧氟沙星的含量 …… 刘斐,张珏,王维剑(463)

HPLC 法同时测定强力枇杷露中吗啡与可待因含量 …… 魏春芬(466)

气相色谱法测定睾酮凝胶中肉豆蔻酸异丙酯的含量
…… 颜红,徐伟娜,刘林,杨清华(469)

·制剂研究·

枸橼酸莫沙必利胃内漂浮缓释微丸的制备及体外释放特性考察
…… 邓容,丁兵(472)

·综　　述·

硝苯地平口服制剂药代动力学影响因素
…… 张新慧,刘群,褚志杰,郭瑞臣(475)

生物黏附微球的研究进展 …… 刘德杰,张慧,安飞,翟光喜(479)

·临床药学·

本院铜绿假单胞菌的耐药率与抗菌药物用量的相关性分析
…… 何清华,邓白荔,黎汉坤,曹堃,杨婉霞,郭卫,黄云平(484)

芪冬颐心口服液辅助治疗小儿重症肺炎合并心力衰竭疗效观察
…… 王文杰,朱洪峰,王建龙(488)

·药学教育·

中药学专业课程实验教学整体优化的探索
…… 魏凤环,刘强,沈群,张璐(491)

·工业药学·

吡拉西坦有关物质的合成 …… 徐玉文,郑静,王小兵(494)

关于开展《药学研究》优秀论文征集评选活动的通知 …… (452)

著作权授权声明 …… (456)

《药学研究》在线投稿系统上线通知 …… (478)

期刊基本参数:CN37-1493/R * 1982 * m * A4 * 62 * zh * P * ￥10.00 * * 16 * 2016-08
本期责任编辑:刘中原

2016 August Volume 35 Number 8
Monthly
Founded in July,1982

药 学 研 究
JOURNAL OF PHARMACEUTICAL RESEARCH

Academic Advisor:CHEN Kaixian

Director of Editorial Board:GUI Dunshan

Associate Director of Editorial Board:

LOU Hongxiang TIAN Jingzhen WANG Fengshan
LI Bo SHI Guosheng

Editorin chief: SHI Guosheng

Commissions:

DING Lixia MA Guo WANG Fengshan
WANG Yongjun WANG Qingli WANG Jianxin
WANG Rongmei WANG Shumin WANG Peng
YOU Qidong FANG Lianhua YIN Zheng
YIN Lifang SHI Renbing LONG Yaqiu
LU Yan LU Yi TIAN Jingzhen
SHI Guosheng PI Rongbiao ZHU Ping
QIAO Shanyi HUA Zichun LIU Yuxuan
LIU Peiqing LIU Huanxiang LIU Jinggen
LIU Xinyong QI Xianrong AN Linkun
AN Lin XU Fengguo SUN Guoxiang
SUN Hongsheng DU Guanhua LI Hua
LI Hongjian LI Bo YANG Yonghua
YANG Yong XIAO Yanyu WU Yalin
WU Wei WU Yanfen HE Qiyang
YU Rong SHEN Yan ZHANG Dongming
ZHANG Lanying ZHANG Qingying ZHANG Zhirong
ZHANG Xiumei ZHANG Jianjun ZHANG Xianglin
ZHANG Li ZHANG Peicheng ZHANG Jian
ZHANG Ao CHEN Shilin SHAO Rongguang
SHAO Rong LUO Haibin YUE Jianmin
JIN Shaohong ZHOU Jianping ZHENG Zhonghui
ZHENG Jiaqing ZHAO Bonian HU Lihong
HU Changqin HU Jinfeng LIU Hong
LOU Hongxiang YAO Qingqiang GU Ning
XU Zhinan XU Jun LING Peixue
GUO Yuanqiang GUO Ruichen GUO Ying
HUANG Rongqin LIANG Hong TU Pengfei
DONG Junxing CHENG Gang ZENG Su
YOU Xuefu DOU Guifang

JOURNAL OF PHARMACEUTICAL RESEARCH

CONTENTS

The solutions for supply problems in development of natural product -derived drugs ····· *XIAO Chengqian*, *HU Lihong*(435)
Optimization of the protopanoxadiol metabolic pathway by overexpression of the catalytic domain of HMGR in *Saccharomyces cerevisiae* ····· *LIANG Huichao*, *HU Zongfeng*, *LIANG Lan*, *GONG Ting*, *CHEN Jingjing*, *YANG Jinling*, *ZHU Ping*(444)
The screening of active component with antineoplastic activity in vitro from the seeds of *Amorpha fruticosa* ····· *WU Xin*, *LIAO Hongbo*, *ZHU Xiaohui*, *YANG Xiaofei*, *CUI Liao*, *WU Kefeng*(449)
Study of flavonoid constituents in the seeds of *Hovenia trichocarpa* ····· *GAO Meihua*, *HE Ting*, *ZHANG Xiaoqi*, *LI Hua*(453)
Determination of tanshinone ⅡA, cryptotanshinone and tanshinone Ⅰ in *Salvia miltiorrhiza* Bge with quantitative analysis of multi-components by single-maker ····· *QIN Zenggui*, *LIU Kehao*, *GAO Changqing*, *QIN Chao*(457)
Determination of salvianolic acid B extracted by ultrasonic method in different temperature water from *Salvia miltiorrhiza* ····· *DAI Jinming*, *LIN Xujian*, *SHI Xiaoping*, *SHEN Ying*(460)
Detemination of descarboxyl levofloxacin by HPLC ····· *LIU Fei*, *ZHANG Jue*, *WANG Weijian*(463)
Simultaneous determination of morphine and codeine in Qiangli Pipa Syrup by HPLC ····· *WEI Chunfen*(466)
Determination of isopropyl myristate in Testosterone Gel by capillary GC ····· *YAN Hong*, *XU Weina*, *LIU Lin*, *YANG Qinghua*(469)
Preparation and release characteristics of Mosapride Citrate Intragastric Floating Sustained-release Pellets ····· *DENG Rong*, *DING Bing*(472)
The influencing factors of pharmacokinetics of nifedipine oral preparation ····· *ZHANG Xinhui*, *LIU Qun*, *CHU Zhijie*, *GUO Ruichen*(475)
Research progress on bioadhesive microspheres ····· *LIU Dejie*, *ZHANG Hui*, *AN Fei*, *ZHAI Guangxi*(479)
Analysis of relationship between the resistance rate of *Pseudomonas aeruginosa* and the doses of antibacterials in our hospital ····· *HE Qinghua*, *DENG Baili*, *LI Hankun*, *CAO Kun*, *YANG Wanxia*, *GUO Wei*, *HUANG Yunping*(484)
Clinical effects of Qidong Yixin Oral Solution for the auxiliary treatment of severe pneumonia complicated heart failure in children ····· *WANG Wenjie*, *ZHU Hongfeng*, *WANG Jianlong*(488)
The exploration of experimental teaching model about professional course of traditional Chinese medicine specialty ····· *WEI Fenghuan*, *LIU Qiang*, *SHEN Qun*, *ZHANG Lu*(491)
Synthesis of related substances of piracetam ····· *XU Yuwen*, *ZHENG Jing*, *WANG Xiaobing*(494)

Journal Primary Parameter:CN37-1493/R * 1982 * m * A4 * 62 * zh * P * ￥10.00 * * 16 * 2016-08