

特别关注:

源于“整体观”思想的中药质量评价方法研究概述

姜华/高原/杨景明/孟祥才

基于同源基因功能分化的药用植物活性成分变异机制研究

海洋*Penicillium* sp. FJ-1中一个抗真菌活性的新橙酮苷

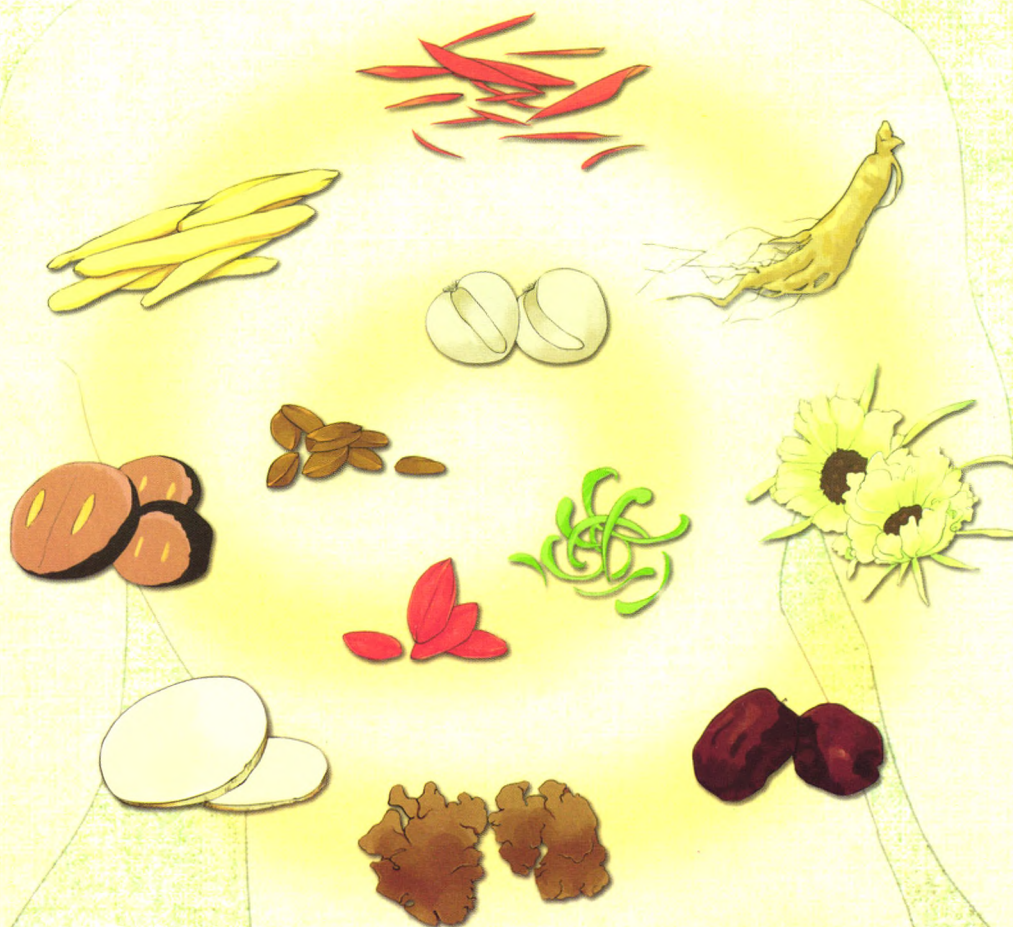
中药胃肠安丸给药后木香烯内酯及去氢木香内酯药代动力学研究

China Journal of
Chinese Materia Medica

第40卷 第6期
Vol. 40 No. 6

2015/06

中国中药杂志



中国中文核心期刊
中国科技核心期刊
中国百强报刊



关注杂志官方微信



中国药学会
CHINESE PHARMACEUTICAL ASSOCIATION



主 编 王永炎
主 管 中国科学技术协会
主 办 中国药学会
编辑出版 中国中药杂志编辑部
地址 北京市东直门内南小街 16 号
邮编 100700
电话 (010)64087661
传真 (010)64087926
网址 www.中国中药杂志.com
www.cjcm.com.cn
E-mail cjcm2006@188.com
市场总代理 数源汇通(北京)医药科技有限公司
地址:北京市海淀区西三环北路 11 号海通时代商务中心 A1 座
电话:(010)68469867-6003
传真:(010)68468457
邮箱:cnyxyx@163.com
图文制作 北京一心禾众文化传播有限公司
印 刷 北京华正印刷有限公司
国内发行 北京市报刊发行局
国外发行 北京国际图书贸易总公司
100044,北京 399 信箱
订 阅 全国各地邮电局
邮发代号 国内 2-45
国外 SM399
出版日期 2015 年 3 月 15 日
标准刊号 ISSN 1001-5302
CN 11-2272/R
国内定价 每期 50 元,全年 1200 元

目 次

· 桂枝茯苓胶囊药效物质基础研究专题 ·

桂枝茯苓胶囊主要药理作用及临床应用研究进展

苏真真,李娜,曹亮,王团结,章晨峰,丁岗,王振中,萧伟 …… (989)

桂枝茯苓胶囊及其活性成分组合物抗炎作用与机制研究

张珍珍,张新庄,李娜,曹亮,丁岗,王振中,萧伟 …… (993)

桂枝茯苓方治疗痛经、盆腔炎以及子宫肌瘤的活性成分和分子作用

机制研究

柯志鹏,张新庄,丁玥,曹泽斌,李娜,曹亮,王团结,章晨峰,

丁岗,王振中,萧伟,徐筱杰 …… (999)

应用高内涵技术研究桂枝茯苓胶囊抗炎及免疫调节活性成分

王伊如,李娜,曹亮,章晨峰,王团结,丁岗,王振中,萧伟 …… (1005)

表面分子印迹技术在分离桂枝茯苓胶囊中 PGG 的应用

宋亚玲,王雪晶,倪付勇,顾睿,赵祎武,黄文哲,王振中,

徐筱杰,萧伟 …… (1012)

过程控制技术对桂枝茯苓胶囊质量的影响

李家春,王金玲,伍静玲,黄文哲,王振中,萧伟 …… (1017)

· 专论 ·

基于同源基因功能分化的药用植物活性成分变异机制研究

袁媛,于军,黄璐琦,王绪敏 …… (1023)

· 综述 ·

源于“整体观”思想的中药质量评价方法研究概述

姜华,高原,杨景明,孟祥才 …… (1027)

亲和色谱应用于天然活性成分筛选的研究进展

冯颖淑,程珊珊,徐希明,余江南 …… (1032)

补肾壮骨中药抗骨质疏松有效成分及其药理作用研究进展

李焱,童杰,周衍晶,徐晓玉 …… (1038)

绿原酸及其肠道代谢产物对中枢神经系统疾病的作用和机制研究进展

邢丽娜,周明眉,李云,石晓雯,贾伟 …… (1044)

基于整合药理学策略的元胡止痛方研究进展

马艳, 张迎春, 陶野, 陈晓萌, 王鹏, 许海玉, 杨洪军 (1048)

· 资源与鉴定 ·

滇重楼根际微生物分布与甾体皂苷含量的相关性

周浓, 戚文华, 肖国生, 丁博, 张华, 郭冬琴, 沈伟 (1055)

金线莲基原植物花粉活力和柱头可授性及结实特征研究

邵清松, 王勇, 胡润淮, 张望舒, 李明焱 (1061)

雷公藤牻牛儿苗基牻牛儿苗焦磷酸合酶基因全长 cDNA 的获得及生物信息学分析

张萌, 苏平, 刘雨佳, 童宇茹, 赵瑜君, 高伟, 王秀娟, 黄璐琦 (1066)

温度、密度、喂食周期对菲牛蛭育苗影响的研究

程搏幸, 刘飞, 郭巧生, 史红专, 李蒙蒙, 卢昱希 (1071)

基于 ITS2 条形码的桔梗药材遗传多样性研究

吴波, 李永波, 饶建波, 曾金祥, 朱继孝, 方香香, 刘福青, 李洪泽, 韩风雨, 钟国跃 (1075)

玄参子芽分级标准研究

张雪, 陈大霞, 谭均, 李隆云 (1079)

人工种植肉苁蓉 *Cistanche deserticola* 平茬试验的初步研究

李丙文, 张忠良, 王桂芬, 王静, 邱永志, 李生字, 靳正忠, 李从娟, 许波 (1086)

· 制剂与炮制 ·

SPG 膜乳化制备汉防己甲素-丹参酮 II_A-PLGA 二元微球及其体外表征

陆瑾, 张梦, 朱华旭, 郭立玮, 潘林梅, 付廷明 (1091)

· 化学 ·

海洋 *Penicillium* sp. FJ-1 中一个抗真菌活性的新橙酮苷

宋艳霞, 马强, 李捷 (1097)

信宜润楠中的苷类成分

程伟, 许文东, 朱承根, 杨永春, 石建功 (1102)

滨藜叶分药花化学成分研究

周俊, 黄超冠, 余一江, 李中秋, 王韦, 黄相中, 刘文星, 袁燕, 江志勇 (1108)

基于 UPLC 结合化学计量学方法的龙血竭指纹图谱研究

秦建平, 李家春, 吴建雄, 吴素素, 黄文哲, 王振中, 萧伟 (1114)

丁公藤属植物中东茛菪苷、绿原酸、东茛菪素、异绿原酸 A、异绿原酸 B 和异绿原酸 C 的含量测定

徐小昆, 陈志永, 廖立平, 张紫佳, 王峥涛 (1119)

基于主成分分析的天麻矿质元素含量研究

李金玲, 赵致, 刘红昌, 罗春丽, 黄明进, 罗夫来, 王华磊 (1123)

· 药理 ·

雷公藤红素通过影响 Akt 信号通路和整合素表达抑制肺癌细胞的转移

徐佳, 伍春莲, 黄杰 (1129)

支持向量机在中药肾毒性研究中的应用

张景芳, 蒋芦荻, 张燕玲 (1134)

基于剂量的雷公藤抗小鼠免疫性炎症“效-毒”关联性评价

赵庆华, 李晓宇, 冯群, 孙蓉 (1139)

槲皮素抑制乳腺癌细胞迁移侵袭及分子机制研究

孙怡, 顾君 (1144)

鬼针草滴眼液治疗兔围绝经期干眼症的实验研究

邵毅, 余瑶, 余静, 裴重刚, 高桂平, 涂萍 (1151)

津力达对高脂诱导的胰岛素抵抗 ApoE^{-/-} 小鼠骨骼肌脂质转运酶类的表达变化

金鑫, 张会欣, 张彦芬, 崔雯雯, 秘尧, 何其龙, 周升山 (1156)

扶正散结方调控 Lewis 肺癌小鼠 TAMs 免疫重塑作用的相关研究

黎金华, 田菲, 邱崇笙, 陈文军, 许冬鑫, 杨丽琴, 李蕊洁 (1161)

· 药代动力学 ·

扶正化癥方对正常及肝纤维化大鼠体内 CYP450 酶的影响

郑天慧, 刘伟, 李淑萍, 杨涛, 王长虹, 刘成海 (1166)

中药胃肠安丸给药后木香烃内酯及去氢木香内酯药代动力学研究

张静泽, 王磊, 金兆祥, 曲阜, 陈钰玲, 高文远 (1173)

天麻素和葛根素在大鼠体内联合应用的药动学研究

姜丽, 余兰彬, 徐国良, 张启云, 严小军, 王玉蓉 (1179)

· 临床 ·

基于数据挖掘的注意缺陷多动障碍中医用药规律研究

倪新强, 韩新民, 尹东奇, 刘成全 (1185)

基于不良反应/事件文献分析的骨科中成药安全用药通则规律的初步研究

王宇光, 史新元, 金锐, 李红燕, 孔祥文, 乔延江 (1192)

基于关联规则方法对不同地区乌头组反药的临床调查研究和配伍特点分析

左艇, 范欣生, 田硕, 蒋辰雪, 陈菲 (1198)

基于中医传承辅助平台的胁痛治疗方剂组方用药规律分析

赵艳青, 滕晶 (1203)

痰热清注射液对肺癌患者外周血淋巴细胞免疫活性的影响

马鸣, 杨兴肖, 张洁, 赵连梅, 刘丽华, 单保恩 (1207)

· 药事管理 ·

基于专利合作网络的我国中药合作创新研究

李蓓, 陈向东 (1212)

· 学术探讨 ·

中药资源信息空间数据库构建

赵玉洋, 孙成忠, 杨泽东 (1219)



Editor-in-Chief

WANG Yong-yan

Responsible Institution

China Association for Science and Technology

Sponsored by

Chinese Pharmaceutical Association

Edited and Published by

Editorial Board of China Journal of Chinese
Materia Medica

Address: 16 Nanxiaojie, Inner Dongzhimen
Beijing 100700, China

Tel: 0086-10-64087661

Fax: 0086-10-64087926

E-mail: cjcm2006@188.com

http: //www. cjcm. com. cn

Graphics produced by

Beijing Yixinhezong Cultural Transmission
Co. , Ltd.

Printed by

Beijing Huazheng Printing Co. , Ltd.

Overseas Distributor

China International Book Trading Corpora-
tion, PO Box 399, Beijing 100044, China

2015, Vol. 40 No. 6

Publication Date

March 15, 2015

ISSN 1001-5302

CN 11-2272/R

CONTENTS IN BRIEF

Main progress on studies of pharmacological activities and clinical applications of Guizhi Fuling capsule

SU Zhen-zhen, LI Na, CAO Liang, WANG Tuan-jie, ZHANG Chen-feng,
DING Gang, WANG Zhen-zhong, XIAO Wei (989)

**Study on anti-inflammation effect and involved mechanism of
Guizhi Fuling capsule and its active complex**

ZHANG Zhen-zhen, ZHANG Xin-zhuang, LI Na, CAO Liang,
DING Gang, WANG Zhen-zhong, XIAO Wei (993)

**Study of effective components and molecular mechanism for Guizhi
Fuling formula treatment of dysmenorrhea, pelvic inflammatory
disease and uterine fibroids**

KE Zhi-peng, ZHANG Xin-zhuang, DING Yue, CAO Ze-yu, LI Na,
CAO Liang, WANG Tuan-jie, ZHANG Chen-feng, DING Gang,
WANG Zhen-zhong, XIAO Wei, XU Xiao-jie (999)

**Study on anti-inflammation and immunoregulation effect of
Guizhi Fuling capsule ingredients using high content screening**

WANG Yan-ru, LI Na, CAO Liang, ZHANG Chen-feng,
WANG Tuan-jie, DING Gang, WANG Zhen-zhong, XIAO Wei ... (1005)

**Application of molecularly imprinted technology for separation of
PGG from Guizhi Fuling capsule**

SONG Ya-ling, WANG Xue-jing, NI Fu-yong, GU Rui,
ZHAO Yi-wu, HUANG Wen-zhe, WANG Zhen-zhong,
XU Xiao-jie, XIAO Wei (1012)

**Quality analysis of Guizhi Fuling capsule before and after
application of in-process quality control in pharmaceutical
production**

LI Jia-chun, WANG Jin-ling, WU Jing-ling, HUANG Wen-zhe,
WANG Zhen-zhong, XIAO Wei (1017)

**Different active ingredients of medicinal plant based on function
differentiation of homologous gene**

YUAN Yuan, YU Jun, HUANG Lu-qi, WANG Xu-min (1023)

Overview of traditional Chinese medicine quality evaluation method based on overall research	
JIANG Hua, GAO Yuan, YANG Jing-ming, MENG Xiang-cai	(1027)
Progresses in screening active compounds from herbal medicine by affinity chromatography	
FENG Ying-shu, TONG Shan-shan, XU Xi-ming, YU Jiang-nan	(1032)
Research progress on anti-osteoporotic active ingredients and pharmacological action mechanism of traditional Chinese kidney-tonifying and bone-strengthening drugs	
LI Ye, TONG Jie, ZHOU Yan-jing, XU Xiao-yu	(1038)
Recent progress of potential effects and mechanisms of chlorogenic acid and its intestinal metabolites on central nervous system diseases	
XING Li-na, ZHOU Ming-mei, LI Yun, SHI Xiao-wen, JIA Wei	(1044)
Research of Yuanhu Zhitong prescription based on strategy of integrative pharmacology	
MA Yan, ZHANG Ying-chun, TAO Ye, CHEN Xiao-meng, WANG Peng, XU Hai-yu, YANG Hong-jun	(1048)
Correlation between distribution of rhizospheric microorganisms and contents of steroidal saponins of <i>Paris polyphylla</i> var. <i>yunnanensis</i>	
ZHOU Nong, QI Wen-hua, XIAO Guo-sheng, DING Bo, ZHANG Hua, GUO Dong-qin, SHEN Wei	(1055)
Pollen viability, stigma receptivity and fruiting characteristics of botanical origin of <i>Jinxianlian</i>	
SHAO Qing-song, WANG Yong, HU Run-huai, ZHANG Wang-shu, LI Ming-yan	(1061)
Cloning and bioinformatics analysis of geranylgeranyl diphosphate synthase gene of <i>Tripterygium wilfordii</i>	
ZHANG Meng, SU Ping, LIU Yu-jia, TONG Yu-ru, ZHAO Yu-jun, GAO Wei, WANG Xiu-juan, HUANG Lu-qi	(1066)
Effect of water temperature, stocking density and feeding cycle on growth of juvenile <i>Poecilobdella manillensis</i>	
CHENG Bo-xing, LIU Fei, GUO Qiao-sheng, SHI Hong-zhuan, LI Meng-meng, LU Yu-xi	(1071)
Study on genetic polymorphism of <i>Platycodon grandiflorum</i> based on barcoding of ITS2	
WU Bo, LI Yong-bo, RAO Jiang-bo, ZENG Jin-xiang, ZHU Ji-xiao, FANG Xiang-xiang, LIU Fu-qing, LI Hong-ze, HAN Feng-yu, ZHONG Guo-yue	(1075)
Quality classification standard of <i>Scrophularia ningpoensis</i> seedlings	
ZHANG Xue, CHEN Da-xia, TAN Jun, LI Long-yun	(1079)
Experiment on pruning of <i>Cistanche deserticola</i> inoculated in artificial <i>Haloxylon ammodendron</i> forest	
LI Bing-wen, ZHANG Zhong-liang, WANG Gui-fen, WANG Jing, QIU Yong-zhi, LI Sheng-yu, JIN Zheng-zhong, LI Cong-juan, XU Bo	(1086)
Studies on preparation by SPG membrane emulsification method and <i>in vitro</i> characterization of tetradrine-tashionone II_A-PLGA composite microspheres	
LU Jin, ZHANG Meng, ZHU Hua-xu, GUO Li-wei, PAN Lin-mei, FU Ting-ming	(1091)
A new aurone glycoside with antifungal activity from marine-derived fungus <i>Penicillium</i> sp. FJ-1	
SONG Yan-xia, MA Qiang, LI Jie	(1097)
Glycosides from <i>Machilus wangchiana</i>	
CHENG Wei, XU Wen-dong, ZHU Cheng-gen, YANG Yong-chun, SHI Jian-gong	(1102)
Chemical constituents from <i>Perovskia atriplicifolia</i>	
ZHOU Jun, HUANG Chao-guan, YU Yi-jiang, LI Zhong-qiu, WANG Wei, HUANG Xiang-zhong, LIU Wen-xing, YUAN Yan, JIANG Zhi-yong	(1108)
Fingerprint analysis of <i>Resina Draconis</i> from different manufacturers by UPLC coupled with chemometrics	
QIN Jian-ping, LI Jia-chun, WU Jian-xiong, WU Su-su, HUANG Wen-zhe, WANG Zhen-zhong, XIAO Wei	(1114)
Determination of scopolin, chlorogenic acid, scopoletin, isochlorogenic acid A, isochlorogenic acid B and isochlorogenic acid C in plants of <i>Erycibe</i>	
XU Xiao-kun, CHEN Zhi-yong, LIAO Li-ping, ZHANG Zi-jia, WANG Zheng-tao	(1119)

Content of mineral elements of <i>Gastrodia elata</i> by principal components analysis	
LI Jin-ling, ZHAO Zhi, LIU Hong-chang, LUO Chun-li, HUANG Ming-jin, LUO Fu-lai, WANG Hua-lei	(1123)
Effect of celastrol in inhibiting metastasis of lung cancer cells by influencing Akt signaling pathway and expressing integrins	
XU Jia, WU Chun-lian, HUANG Jie	(1129)
Application of support vector machine approach in studying nephron toxicity of Chinese medicinal materials	
ZHANG Jing-fang, JIANG Lu-di, ZHANG Yan-ling	(1134)
Evaluation on dosage-based efficacy-toxicity correlation of <i>Tripterygium wilfordii</i> against immune inflammation in mice	
ZHAO Qing-hua, LI Xiao-yu, FENG Qun, SUN Rong	(1139)
Study on effect of naringenin in inhibiting migration and invasion of breast cancer cells and its molecular mechanism	
SUN Yi, GU Jun	(1144)
Experimental study on efficiency of Spanishneedles Herb eye drops in treating perimenopausal xerophthalmia in rabbits	
SHAO Yi, YU Yao, YU Jing, PEI Chong-gang, GAO Gui-ping, TU Ping	(1151)
Effect of Jinlida on changes in expression of skeletal muscle lipid transport enzymes in fat-induced insulin resistance ApoE^{-/-} mice	
JIN Xin, ZHANG Hui-xin, ZHANG Yan-fen, CUI Wen-wen, BI Yao, HE Qi-long, ZHOU Sheng-shan	(1156)
Relevant studies on effect of Fuzheng Sanjie recipe in regulating immune microenvironment remodeling of TAMs in lewis lung cancer mice	
LI Jin-hua, TIAN Fei, QIU Chong-sheng, CHEN Wen-jun, XU Dong-xin, YANG Li-qin, LI Rui-jie	(1161)
Effect of Fuzheng Huayu recipe on CYP450 isozymes in normal and liver fibrosis rats	
ZHENG Tian-hui, LIU Wei, LI Shu-ping, YANG Tao, WANG Chang-hong, LIU Cheng-hai	(1166)
Pharmacokinetics study on costunolide and dehydrocostuslactone after administration of traditional Chinese medicine Weichang'an pills	
ZHANG Jing-ze, WANG Lei, JIN Zhao-xiang, QU Zhuo, CHEN Yu-ling, GAO Wen-yuan	(1171)
Pharmacokinetic study on combined application of gastrodin and puerarin in rats	
JIANG Li, YU Lan-bin, XU Guo-liang, ZHANG Qi-yun, YAN Xiao-jun, WANG Yu-rong	(1179)
Study on medication regularity of traditional Chinese medicines in treating attention deficit hyperactivity disorder based on data mining	
NI Xin-qiang, HAN Xin-min, YIN Dong-qi, LIU Cheng-quan	(1185)
Preliminary study on general safe medication regularity of Chinese patent orthopedic medicines based on adverse reaction/event literature analysis	
WANG Yu-guang, SHI Xin-yuan, JIN Rui, LI Hong-yan, KONG Xiang-wen, QIAO Yan-jiang	(1192)
Clinical study on aconite prescriptions with incompatible herbs in different areas based on association rules and analysis on compatibility features	
ZUO Ting, FAN Xin-sheng, TIAN Shuo, JIANG Chen-xue, CHEN Fei	(1198)
Analysis on composition and medication regularities of prescriptions treating hypochondriac pain based on traditional Chinese medicine inheritance support system inheritance support platform	
ZHAO Yan-qing, TENG Jing	(1203)
Effect of Tanreqing injection on immune activity of peripheral blood lymphocytes of patients with lung cancer	
MA Ming, YANG Xing-xiao, ZHANG Jie, ZHAO Lian-mei, LIU Li-hua, SHAN Bao-en	(1207)
Research on collaborative innovation in traditional Chinese medicine of China based on patent cooperation network	
LI Bei, CHEN Xiang-dong	(1212)
Construction of traditional Chinese medicine resources information spatial database	
ZHAO Yu-yang, SUN Cheng-zhong, YANG Ze-dong	(1219)



数源汇通是立足于医药卫生行业的注册研发、学术推广企业。我们拥有医药卫生行业领先的资源，技术和行业知识，始终专注于国内外医药卫生行业的实践与成功，致力实现超凡的客户价值与成果。

数源汇通在医药卫生科技领域，提供持续有效的解决方案。凭借在本领域积累的丰富经验、广泛能力以及对行业内成功企业的深入研究，我们帮助客户确定战略、优化流程、提高整体竞争优势，为客户创造富有影响力的产品、服务和体验并将其成功商业化，使其成为具有卓越绩效的企业。

多年来，我们积累了一批富有才华的员工，他们不仅运用自己的才干与技能帮助医药卫生行业的客户，同时还能为自身创造辉煌事业。



SHORING 数源汇通

Pharmaceutical Technology

ISSN 1001-5302



9 771001 530087

国内代号：2-45

Add:北京市海淀区西三环北路11号海通时代商务中心A1栋100089

Tel: (010) 6846 9867

Fax: (010) 6846 8457

Email: shoring@shoring.cn

Web: sshoring.com

国外代号：SM399

国内定价：50.00元