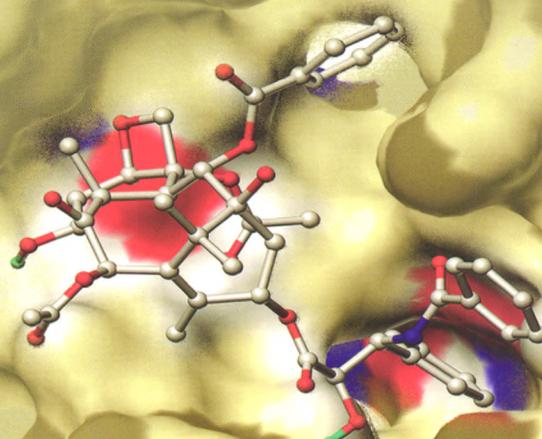


药学学报

第50卷 第6期

2015 Vol. 50 No. 6



Acta
Pharmaceutica Sinica

综述

杨波, 顾景凯等
基于蛋白质组学的药物代谢酶
与转运体定量分析研究进展

研究论文

唐冉琪, 叶菲等
化合物CX09040抑制PTP1B和保护胰
岛 β 细胞的作用



中国药学会
中国医学科学院药物研究所

药 学 学 报

第 50 卷 第 6 期 2015 年 6 月

综 述

- 丹参酮 IIA 对缺血性脑中风的神经保护作用研究进展 李德川, 鲍秀琦, 孙 华, 张 丹 (635)
HSP90 小分子抑制剂研究进展 任 景, 严碧波, 石 峰, 熊 兵, 沈竟康 (640)
铂抗肿瘤药物-大环化合物给药体系的研究进展 高传柱, 张 艳, 陈 骞, 费 凡, 王天帅, 杨 波, 董 鹏, 张英杰 (650)
雌激素受体 β 选择性配体的研究进展 蔡金亚, 李俊豪, 丁石荟, 张 娟, 刘桂霞, 李卫华, 唐 赞 (658)
基于蛋白质组学的药物代谢酶与转运体定量分析研究进展 杨 波, 王 静, 丛宇婷, 胡良海, 顾景凯 (668)
乳铁蛋白作为药物载体的研究进展 唐慧娟, 张振海, 赵志英, 吕慧侠 (675)

研 究 论 文

药理学

化合物 CX09040 抑制 PTP1B 和保护胰岛 β 细胞的作用

- 唐冉琪, 张晓琳, 田金英, 孔思明, 周 莹, 张 裳, 杨洪坤, 吴 松, 张 缨, 叶 菲 (682)
中枢腺苷 A₁ 受体参与 N⁶-取代腺苷衍生物 YZG-330 对小鼠体温的调节 贾少博, 张 缨, 石建功, 张建军 (690)
10 种香豆素衍生物神经保护作用筛选及机制初探 宋修云, 胡金凤, 孙明娜, 刘 刚, 陈乃宏 (697)
山柰酚对脂多糖诱导的肥大细胞炎症反应的抑制作用 周运江, 王 虎, 李 丽, 隋何欢, 黄家君 (702)
基于核磁代谢组学技术的阿霉素肝毒性研究 牛倩芸, 刘月涛, 李震宇, 秦雪梅 (708)
LC-MS/MS 法定量测定人血浆和尿液中西格列汀浓度及其应用 赵 芊, 王博雅, 江 骞, 胡 蕙 (714)

药物化学

新型 L-脯氨酸类化合物的设计、合成及其对乙酰胆碱酯酶的抑制活性研究

- 田云峰, 陈俊涛, 李俊杰, 张颖超, 曹婷婷, 马正月 (719)
新型海藻糖衍生物的设计、合成及活性研究 方 方, 陈 勇 (725)
(±)-F18 对映异构体的 HPLC 手性分离、绝对构型确定以及抗 HIV-1 活性研究 张蕾磊, 薛 海, 李 莉, 陆小凡, 陈志伟, 刘 刚 (733)
3-(2-氧代-2-取代)乙酰氨基苯甲酰胺类 PARP-1 抑制剂的设计、合成及活性评价 殷玉文, 季 鸣, 曹 冉, 陈晓光, 徐柏玲 (738)
杨梅树皮中一个新的二苯基庚烷类化合物 沈胜楠, 夏方博, 李 鹤, 刘亚旻, 潘瑞乐 (746)

药物分析

- 单标多组分 HPLC 定量分析法在川芎质量评价中的应用 乔凤仙, 蔡 翱, 屠鹏飞, 裴 科, 宋晓庆 (749)
基于超滤反应器的蛋白质 N-糖基化快速分析方法 铁 偕, 胡 婷, 张金兰 (755)

药剂学

- 穿膜肽 R8 和 pH 敏感型可断裂 PEG 共修饰脂质体的构建 张 莉, 王 蝉, 高会乐, 何 勤 (760)
同步辐射显微 CT 用于中药颗粒定量结构特征与分形维度的研究 鹿晓龙, 郑 琴, 殷宪振, 肖光清, 廖祖华, 杨 明, 张继稳 (767)
基于双重扩散机制的利培酮骨架微球/乙酸异丁酸蔗糖酯复合型原位贮库的制备与评价 林 霞, 唐 星, 徐宇虹, 张 宇, 张 岩, 何海冰 (775)

生药学

- 基于叶绿体 psbK-psbI 序列的石斛属药用植物鉴定 姚 辉, 杨 培, 周 红, 马双姣, 宋经元, 陈士林 (783)

研 究 简 报

- 基于吸波面积法对川芎组分片整体成分溶出度的考察及其体内外相关性的研究 赖宏强, 胡 悅, 李孝栋 (788)

新药发现与研究实例简析

- 活性与成药性多维优化的马拉韦罗 郭宗儒 (793)

**REVIEWS**

- 635 Research progress in the study of protective effect of tanshinone IIA on cerebral ischemic stroke
LI DC, BAO XQ, SUN H, ZHANG D
- 640 Progress in the study of small molecule inhibitors of HSP90
REN J, YAN BB, SHI F, XIONG B, SHEN JK
- 650 Research progress of the drug delivery system of antitumor platinum drugs with macrocyclic compounds
GAO CZ, ZHANG Y, CHEN J, FEI F, WANG TS, YANG B, DONG P, ZHANG YJ
- 658 Progress in study of selective ER β ligands
CAI JY, LI JH, DING SH, ZHANG J, LIU GX, LI WH, TANG Y
- 668 Recent advances in the quantification of drug metabolizing enzymes and transporters by proteomic approach
YANG B, WANG J, CONG YT, HU LH, GU JK
- 675 Research progress of lactoferrin as drug carriers
TANG HX, ZHANG ZH, ZHAO ZY, LÜ HX

ORIGINAL ARTICLES**Pharmacology**

- 682 The effects of compound CX09040 on the inhibition of PTP1B and protection of pancreatic β cells
TANG RQ, ZHANG XL, TIAN JY, KONG SM, ZHOU Y, ZHANG P, YANG HK, WU S, ZHANG Y, YE F
- 690 Central-adenosine A₁ receptor involved in the thermal regulation effect of YZG-330, a N⁶-substituted adenosine derivative, in mice
JIA SB, ZHANG Y, SHI JG, ZHANG JJ
- 697 Neuroprotective effect screening and the mechanism of 10 kinds of coumarin derivatives
SONG XY, HU JF, SUN MN, LIU G, CHEN NH
- 702 Inhibitory effect of kaempferol on inflammatory response of lipopolysaccharide-stimulated human mast cells
ZHOU YJ, WANG H, LI L, SUI HH, HUANG JJ
- 708 Metabolomics study of doxorubicin induced hepatotoxicity
NIU QY, LIU YT, LI ZY, QIN XM
- 714 Quantification of sitagliptin in human plasma and urine by LC-MS/MS method and its application
ZHAO Q, WANG BY, JIANG J, HU P

Medicinal Chemistry

- 719 Design, synthesis and evaluation of new L-proline derivatives as acetylcholinesterase inhibitors
TIAN YF, CHEN JT, LI JJ, ZHANG YC, CAO TT, MA ZY
- 725 Design, synthesis and biological evaluation of the novel trehalose derivatives
FANG F, CHEN Y

Abstracted / indexed in Chemical Abstracts (CA), Index Medicus (IM, Medline), SciFinder Scholar, Elsevier Scopus, Abstract Journal (AJ), Biological Abstracts (BA), Centre for Agriculture and Bioscience International (CABI), Current Bibliography on Science and Technology (CBST), Excerpta Medica (EM), Index Copernicus (IC), International Pharmaceutical Abstracts (IPA), Cambridge Scientific Abstracts (CSA), TOXCENTER, Ulrich's International Periodicals Directory, Chinese Pharmaceutical Abstracts (CPA), Abstracts of Chinese Medicine (ACME), etc.

- 733 HPLC enantioseparation, absolute configuration determination and anti-HIV-1 activity of (\pm)-F18 enantiomers
ZHANG LL, XUE H, LI L, LU XF, CHEN ZW, LIU G

- 738 Design, synthesis and biological evaluation of novel 3-(2-oxo-2-substituted acetamido)benzamides as PARP-1 inhibitors
YIN YW, JI M, CAO R, CHEN XG, XU BL

- 746 A new cyclic diarylheptanoid from the bark of *Myrica rubra*
SHEN SN, XIA FB, LI H, LIU YM, PAN RL

Pharmaceutical Analysis

- 749 Establishment and application of HPLC-QAMS for quality evaluation of Chuanxiong Rhizoma
QIAO FX, CAI H, TU PF, PEI K, SONG XQ
- 755 Rapid N-glycosylation profiling of glycoprotein based on ultrafiltration-devices
TIE C, HU T, ZHANG JL

Pharmaceutics

- 760 The construction of cell-penetrating peptide R8 and pH sensitive cleavable polyethylene glycols co-modified liposomes
ZHANG L, WANG Y, GAO HL, HE Q
- 767 Quantitative structure characteristics and fractal dimension of Chinese medicine granules measured by synchrotron radiation X-ray computed micro tomography
LU XL, ZHENG Q, YIN XZ, XIAO GQ, LIAO ZH, YANG M, ZHANG JW
- 775 Preparation and evaluation of risperidone-loaded microsphere/sucrose acetate isobutyrate *in situ* forming complex depot with double diffusion barriers
LIN X, TANG X, XU YH, ZHANG Y, ZHANG Y, HE HB

Pharmacognosy

- 783 Identification of medicinal plant *Dendrobium* based on the chloroplast *psbK-psbI* intergenic spacer
YAO H, YANG P, ZHOU H, MA SJ, SONG JY, CHEN SL

COMMUNICATION

- 788 The *in vitro* dissolution of total composition of the tablet of rhizomes of *Ligusticum chuanxiong* components and *in vitro-in vivo* correlation by the method of area under the absorbance-wavelength curve
LAI HQ, HU Y, LI XD



**REVIEWS**

- 635 Research progress in the study of protective effect of tanshinone IIA on cerebral ischemic stroke
LI DC, BAO XQ, SUN H, ZHANG D
- 640 Progress in the study of small molecule inhibitors of HSP90
REN J, YAN BB, SHI F, XIONG B, SHEN JK
- 650 Research progress of the drug delivery system of antitumor platinum drugs with macrocyclic compounds
GAO CZ, ZHANG Y, CHEN J, FEI F, WANG TS, YANG B, DONG P, ZHANG YJ
- 658 Progress in study of selective ER β ligands
CAI JY, LI JH, DING SH, ZHANG J, LIU GX, LI WH, TANG Y
- 668 Recent advances in the quantification of drug metabolizing enzymes and transporters by proteomic approach
YANG B, WANG J, CONG YT, HU LH, GU JK
- 675 Research progress of lactoferrin as drug carriers
TANG HX, ZHANG ZH, ZHAO ZY, LÜ HX

ORIGINAL ARTICLES**Pharmacology**

- 682 The effects of compound CX09040 on the inhibition of PTP1B and protection of pancreatic β cells
TANG RQ, ZHANG XL, TIAN JY, KONG SM, ZHOU Y, ZHANG P, YANG HK, WU S, ZHANG Y, YE F
- 690 Central-adenosine A₁ receptor involved in the thermal regulation effect of YZG-330, a N⁶-substituted adenosine derivative, in mice
JIA SB, ZHANG Y, SHI JG, ZHANG JJ
- 697 Neuroprotective effect screening and the mechanism of 10 kinds of coumarin derivatives
SONG XY, HU JF, SUN MN, LIU G, CHEN NH
- 702 Inhibitory effect of kaempferol on inflammatory response of lipopolysaccharide-stimulated human mast cells
ZHOU YJ, WANG H, LI L, SUI HH, HUANG JJ
- 708 Metabolomics study of doxorubicin induced hepatotoxicity
NIU QY, LIU YT, LI ZY, QIN XM
- 714 Quantification of sitagliptin in human plasma and urine by LC-MS/MS method and its application
ZHAO Q, WANG BY, JIANG J, HU P

Medicinal Chemistry

- 719 Design, synthesis and evaluation of new L-proline derivatives as acetylcholinesterase inhibitors
TIAN YF, CHEN JT, LI JJ, ZHANG YC, CAO TT, MA ZY
- 725 Design, synthesis and biological evaluation of the novel trehalose derivatives
FANG F, CHEN Y

Abstracted / indexed in Chemical Abstracts (CA), Index Medicus (IM, Medline), SciFinder Scholar, Elsevier Scopus, Abstract Journal (AJ), Biological Abstracts (BA), Centre for Agriculture and Bioscience International (CABI), Current Bibliography on Science and Technology (CBST), Excerpta Medica (EM), Index Copernicus (IC), International Pharmaceutical Abstracts (IPA), Cambridge Scientific Abstracts (CSA), TOXCENTER, Ulrich's International Periodicals Directory, Chinese Pharmaceutical Abstracts (CPA), Abstracts of Chinese Medicine (ACME), etc.

- 733 HPLC enantioseparation, absolute configuration determination and anti-HIV-1 activity of (\pm)-F18 enantiomers
ZHANG LL, XUE H, LI L, LU XF, CHEN ZW, LIU G

- 738 Design, synthesis and biological evaluation of novel 3-(2-oxo-2-substituted acetamido)benzamides as PARP-1 inhibitors
YIN YW, JI M, CAO R, CHEN XG, XU BL

- 746 A new cyclic diarylheptanoid from the bark of *Myrica rubra*
SHEN SN, XIA FB, LI H, LIU YM, PAN RL

Pharmaceutical Analysis

- 749 Establishment and application of HPLC-QAMS for quality evaluation of Chuanxiong Rhizoma
QIAO FX, CAI H, TU PF, PEI K, SONG XQ
- 755 Rapid N-glycosylation profiling of glycoprotein based on ultrafiltration-devices
TIE C, HU T, ZHANG JL

Pharmaceutics

- 760 The construction of cell-penetrating peptide R8 and pH sensitive cleavable polyethylene glycols co-modified liposomes
ZHANG L, WANG Y, GAO HL, HE Q
- 767 Quantitative structure characteristics and fractal dimension of Chinese medicine granules measured by synchrotron radiation X-ray computed micro tomography
LU XL, ZHENG Q, YIN XZ, XIAO GQ, LIAO ZH, YANG M, ZHANG JW
- 775 Preparation and evaluation of risperidone-loaded microsphere/sucrose acetate isobutyrate *in situ* forming complex depot with double diffusion barriers
LIN X, TANG X, XU YH, ZHANG Y, ZHANG Y, HE HB

Pharmacognosy

- 783 Identification of medicinal plant *Dendrobium* based on the chloroplast *psbK-psbI* intergenic spacer
YAO H, YANG P, ZHOU H, MA SJ, SONG JY, CHEN SL

COMMUNICATION

- 788 The *in vitro* dissolution of total composition of the tablet of rhizomes of *Ligusticum chuanxiong* components and *in vitro-in vivo* correlation by the method of area under the absorbance-wavelength curve
LAI HQ, HU Y, LI XD

