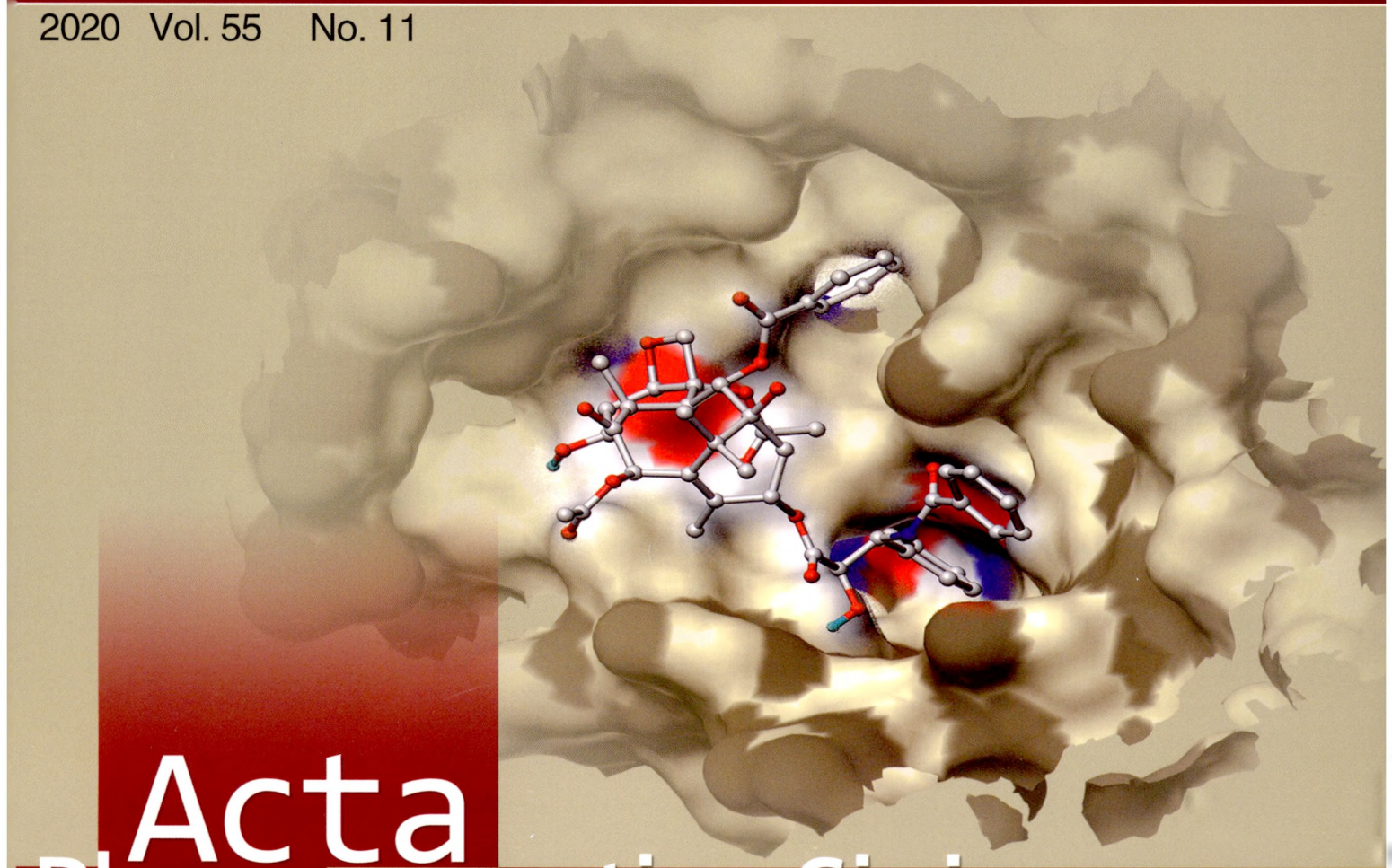
ISSN 0513-4870 CN 11-2163/R

药学学报

第55卷 第11期
2020 Vol. 55 No. 11



Acta Pharmaceutica Sinica

综述

张 旭, 蒙凌华
源于天然产物或其衍生物的分子靶向抗肿瘤药物研究进展

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再吾力·叶尔江, 李 珂等
TRIB3通过抑制CTSZ介导的BCR-ABL降解促进急性淋巴细胞白血病疾病进程

中国药学会
中国医学科学院药物研究所

药 学 学 报

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综述

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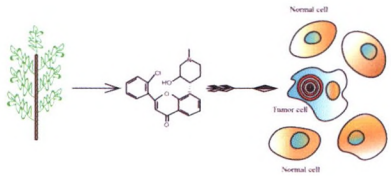
源于天然产物或其衍生物的分子靶向抗肿瘤药物研究进展

张旭，蒙凌华*

(中国科学院上海药物研究所，上海 201203)

天然产物作为药物来源的重要宝库，在分子靶向抗肿瘤药物的发现、研究与开发中发挥着不可替代的作用。



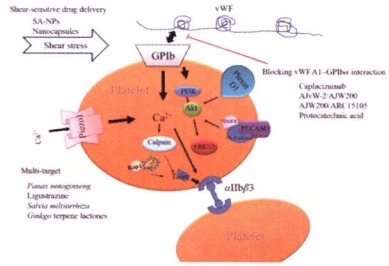
2501

剪切诱导血小板聚集机制及其治疗进展

刘蕾，游云*，廖福龙

(中国中医科学院中药研究所，北京 100700)

本文叙述了近年来剪切诱导血小板聚集可能的机制，总结了现有化合物及传统中药抗剪切诱导血小板聚集的效应机制。



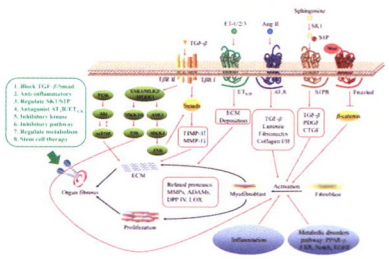
2510

抗器官纤维化药物研究进展

任强，张陆勇*，李政*

(广东药科大学药学院，广东 广州 510006)

本文分别综述了器官纤维化的治疗策略和抗器官纤维化药物的研究进展，为抗器官纤维化药物的研发提供参考。



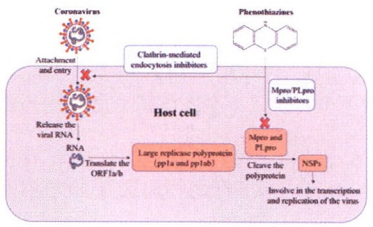
2529

吩噻嗪类化合物潜在抗冠状病毒活性的研究进展

万君玥[1]，陈华[2*]，尹婕[2]

(1. 中国药科大学，江苏 南京 210000；2. 中国食品药品检定研究院，化学药品质量研究与评价重点实验室，北京 100050)

抗精神病吩噻嗪类药物的潜在抗冠状病毒活性的作用机制及其老药新用的开发应用前景。



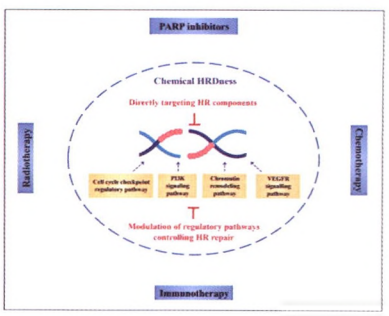
2535

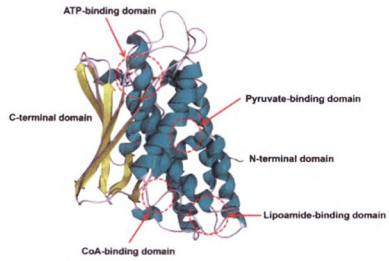
靶向同源重组修复的抗肿瘤研究进展

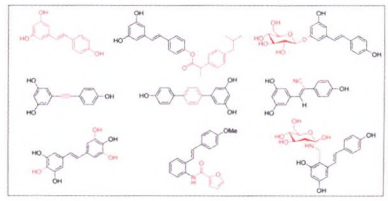
钟振兴[1]，彭鑫[1,2]，孔德新[1*]

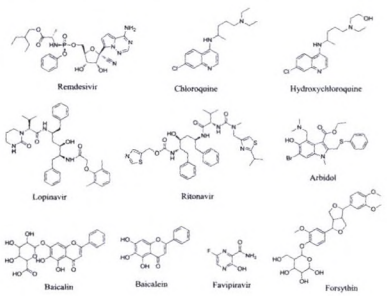
(1. 天津医科大学药学院，天津 300070；2. Department of Systems Biology, the University of Texas MD Anderson Cancer Center, Houston, TX 77030, USA)

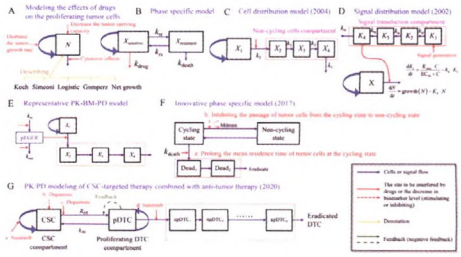
利用分子靶向药物直接抑制同源重组修复通路的关键组分或靶向其调节通路可造成同源重组修复缺陷 (homologous recombination deficiency, HRDness) 的表型，与 PARP 抑制剂联用可在同源重组修复功能正常的肿瘤中造成“合成致死”，也可与传统的放化疗和新兴的免疫疗法发挥协同抗肿瘤作用。

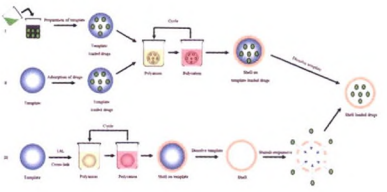


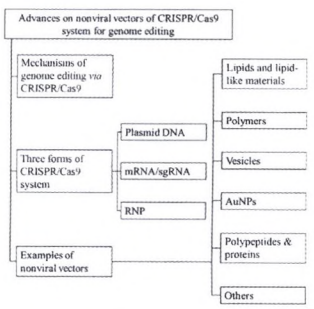


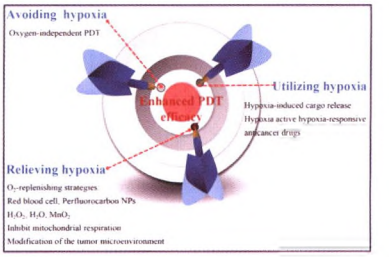




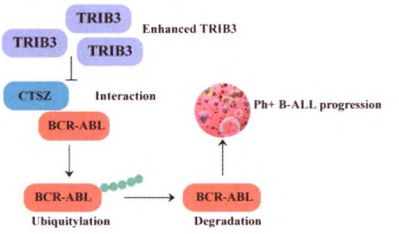


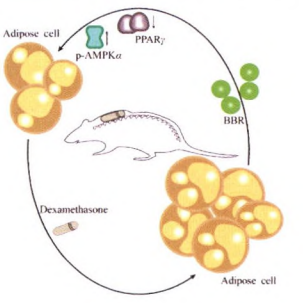


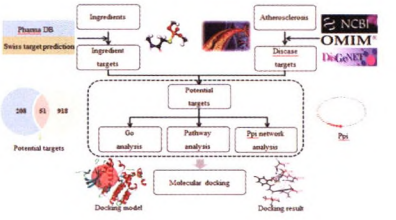


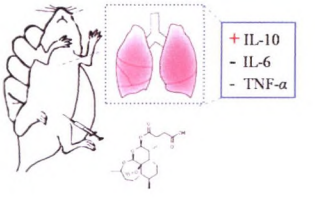


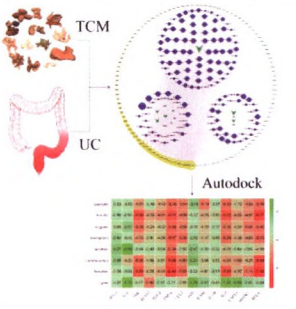
研究论文

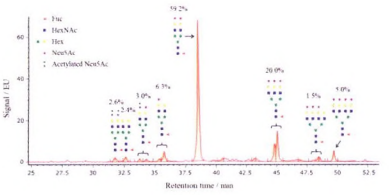


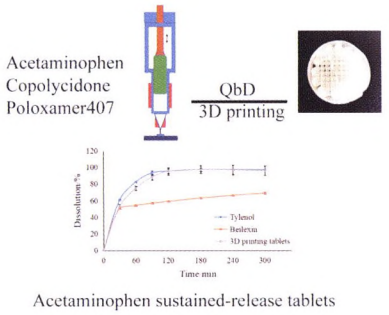


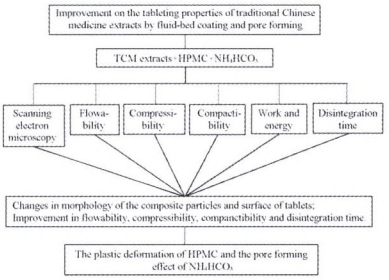


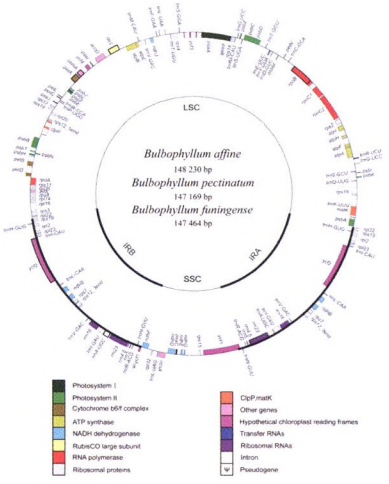












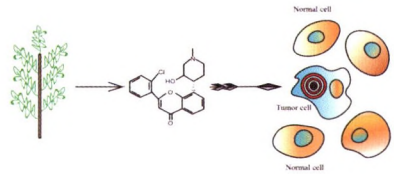
新药发现与研究实例简析

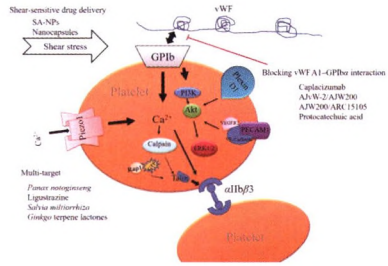
ACTA PHARMACEUTICA SINICA

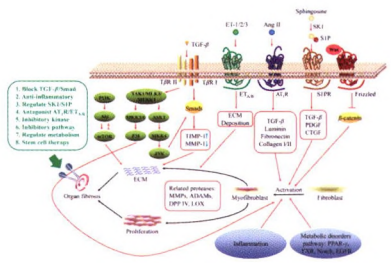
Volume 55 Number 11 2020 November

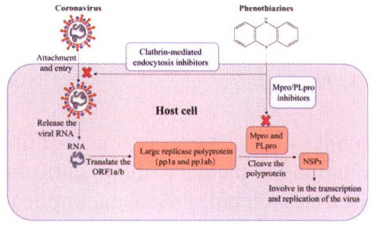
Graphical Abstracts

Reviews

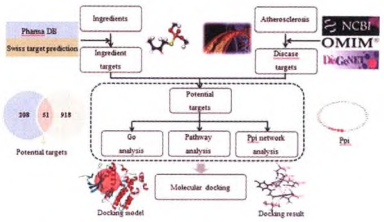




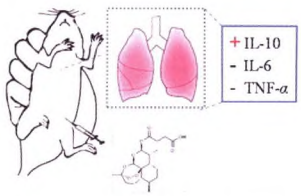




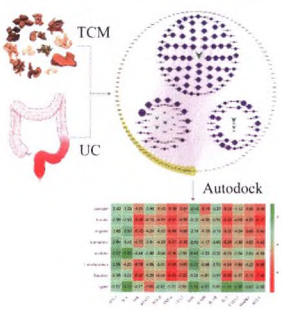
Original Articles



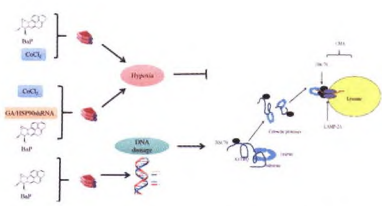
This study adopted network pharmacology research strategy to explore the multi-component, multi-target and multi-pathway action characteristics of *Polygonati rhizoma* in the treatment of atherosclerosis, and to predict the potential target and action mechanism of *Polygonati rhizoma*, so as to lay a foundation for its further research.



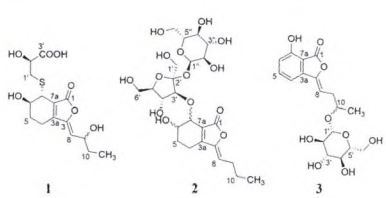
Artesunate can protect immunocompromised mice from murine cytomegalovirus (MCMV)-induced interstitial pneumonia *via* downregulating TNF-α and IL-6, and upregulating the expression of anti-inflammatory factor IL-10, thus attenuating inflammation in the lungs.



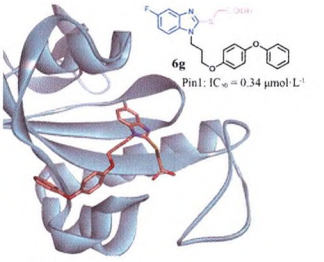
This work explores the molecular mechanism of Lishi- Kuijie decoction in the treatment of ulcerative colitis through network pharmacology and molecular docking technology.



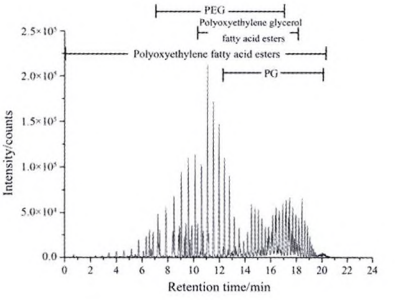
BaP has an inhibitory effect on CMA under the hypoxic environment. The inhibition or silence of HSP90 will enhance the inhibitory effect of BaP on CMA. In a normoxic environment, BaP causes DNA damage and promotes CMA.



Three butylphthalide derivatives were isolated from the rhizome of *Ligusticum chuanxiong* using a series of isolation and purification approaches.

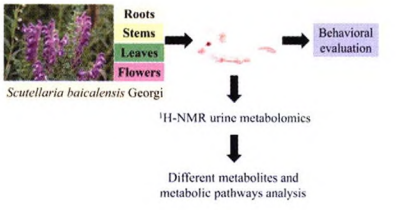


In this work, a range of 2-(1*H*-benzimidazol-2-ylthio)acetic acid derivatives were designed and prepared based on crystal structure of Pin1, among which compound **6g** displayed strong enzyme inhibition activity with IC_{50} value of 0.34 μmol·L^{-1}. Structure-activity relationship and molecular docking study demonstrated that the hydrophobicity side chain at N1 position and thioacetic acid fragment at C2 position of benzimidazole were indispensable for molecules to serve as Pin1 inhibitors.



In this paper, the UPCC-Q-TOF-MS method was established to analyze the components of polyoxyethylene 35 castor oil samples. And the safety of the samples was studied by L-02 cytotoxicity and histamine release of RBL-2H3 cell.

Based on big data from national post-market drug surveillance 2010-2018, residual characteristics of Pb, Cd, As, Hg, Cu and Cr in Chinese patent medicine were analyzed, basic procedures, calculation equation and specific parameters for risk assessment were clarified, and method and calculation equation for establishing residual limits were proposed.



The improvement effect of *Scutellaria baicalensis* Georgi on the *D*-galactose-induced aging rats was explained based on ^{1}H NMR urine metabolomics.

ACTA PHARMACEUTICA SINICA

Volume 55 Number 11 2020 November

期刊基本参数: CN 11-2163/R*1953*m*A4*260*zh*P*￥40.00* *27*2020-11

本期责任编辑 王 燕

药学学报 (YAOXUE XUEBAO)

(月刊, 1953 年 7 月创刊)

主管单位: 中国科学技术协会

主办单位: 中国药学会 (http://www.cpa.org.cn)
中国医学科学院药物研究所
(http://www.imm.ac.cn)

编辑出版: 药学学报编辑部 (100050 北京市先农坛街 1 号)
电话/传真: 86-10-63026192, 63035012;
电子信箱: yxxb@imm.ac.cn;
网址: http://www.yxxb.com.cn

主编: 王晓良

印刷: 北京科信印刷有限公司

国内订购: 全国各地邮电局

发行范围: 公开发行

国 内: 北京报刊发行局

国 外: 中国国际图书贸易集团有限公司
(北京市 399 信箱, 100044)

ACTA PHARMACEUTICA SINICA

(Monthly, Founded in 1953 July)

Directed by: China Association for Science and Technology

Sponsored by: Chinese Pharmaceutical Association
(http://www.cpa.org.cn)
Institute of Materia Medica, Chinese Academy of Medical Sciences (http://www.imm.ac.cn)

Edited and Published by: Editorial Office of Acta Pharmaceutica Sinica
(1 Xiannongtan Street, Beijing 100050).
Tel / Fax: 86-10-63026192, 63035012;
E-mail: yxxb@imm.ac.cn; http://www.yxxb.com.cn

Editor-in-chief: WANG Xiao-liang

Printed by: Beijing Kexin Printing Co., Ltd.

Domestic subscriptions: Local Post Offices

Distribution

Domestic: Beijing Post Offices

Foreign: China International Book Trading Corporation,
PO Box 399, Beijing 100044, China

ISSN 0513-4870 | 2020 年 第 55 卷 第 11 期 | 2020 年 11 月 12 日出版 | 邮发代号: 2-233

CN 11-2163/R | 2020, Vol. 55, No.11 | Publication Date: 2020-11-12 | Code number: M105

国内定价: 每期 40.00 元

ISSN 0513-4870