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药学学报

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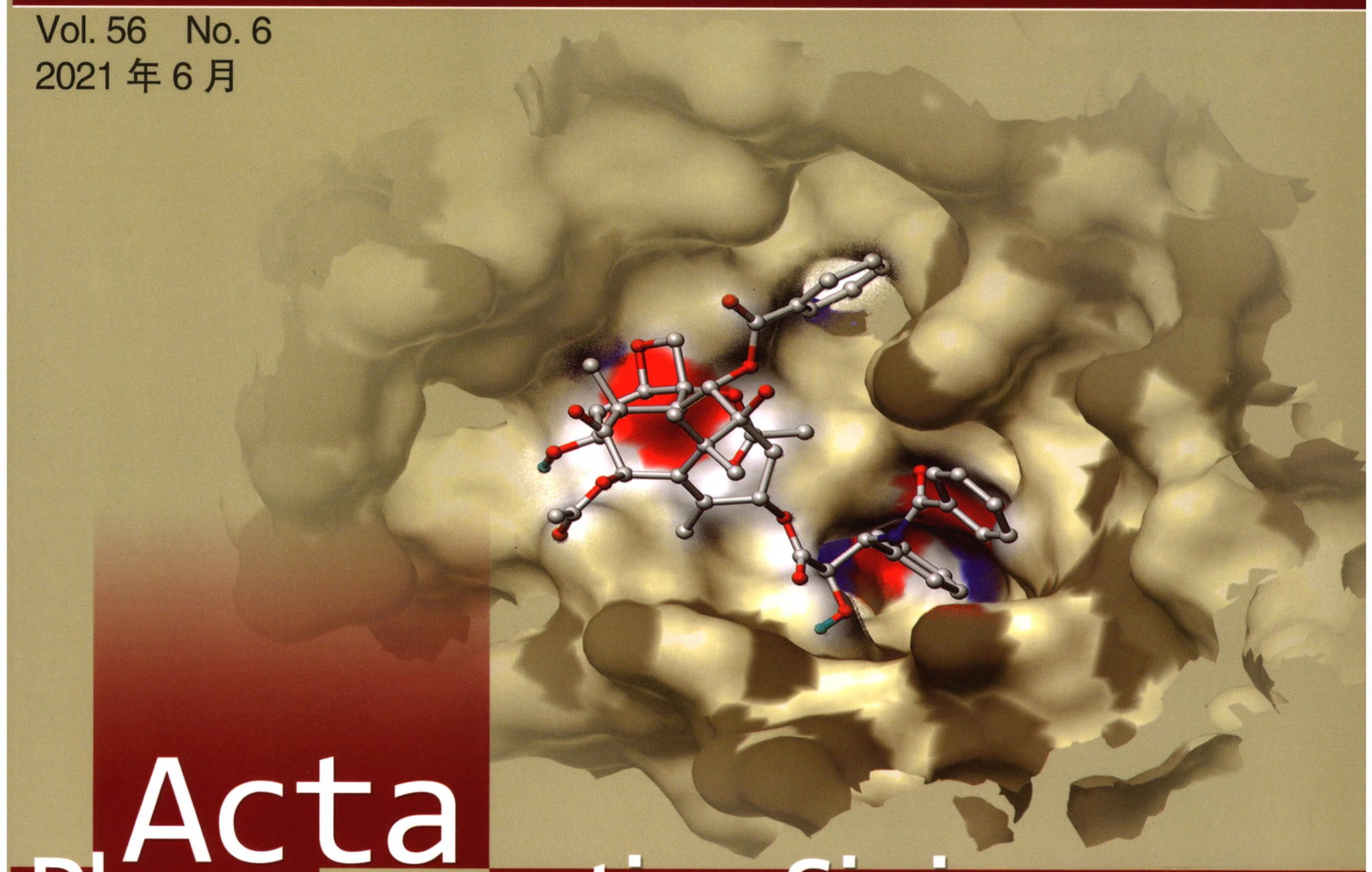
2021 年 6 月



Acta Pharmaceutica Sinica

专家论坛

张 芳，王晓良
血液载脂蛋白作为神经退行性疾病潜在生物标志物的研究

研究论文

徐 凡，傅继华等
肾脏5-羟色胺合成和降解在高血糖诱导肾损伤时的作用研究

中国药学会
中国医学科学院药物研究所

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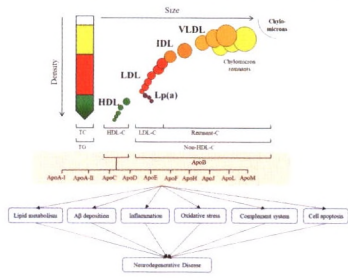
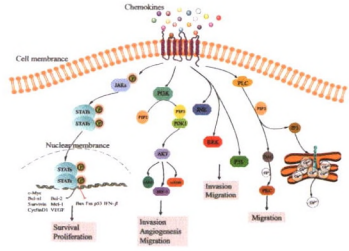
图 文 摘 要

专家论坛

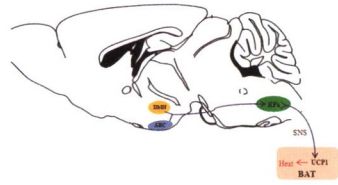


脂蛋白主要由血脂和载脂蛋白构成。载脂蛋白通过影响脂质代谢、Aβ聚集、氧化应激、补体系统和细胞凋亡等过程，参与神经退行性疾病 (ND) 的发生发展。本篇综述主要探讨 ND 患者与非 ND 的对照组相比，血液中哪些载脂蛋白发生变化，以及这些发生变化的载脂蛋白能否作为神经退行性疾病的血液生物标志物。

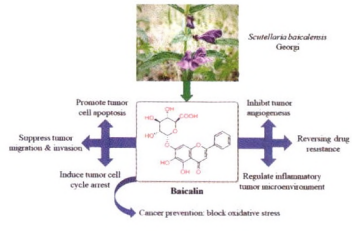
综述



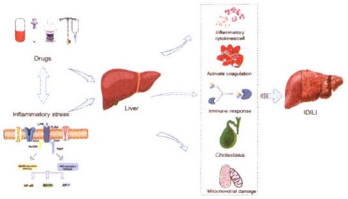
趋化因子与受体结合后通过 JAK/STATs、PI3K/AKT、MAPK 和 PLC 等多种信号通路发挥其促肿瘤作用，靶向抑制趋化因子及其受体，或阻断趋化因子发挥作用的信号途径很可能成为治疗乳腺癌的新策略。

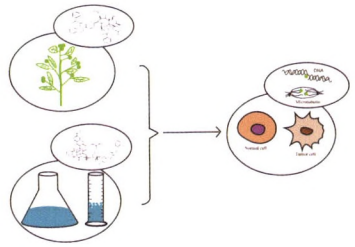


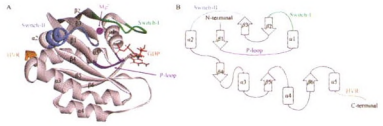
本文主要从 adcyap 神经元、瘦素、QRFP 神经元和交感神经系统等四方面就调控 torpor 状态发生的具体机制进行总结，旨在为 torpor 发生机制的进一步研究提供思路。

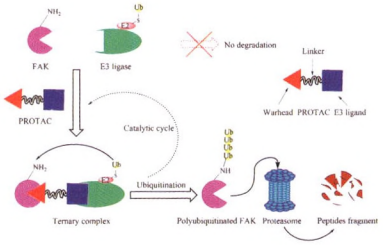


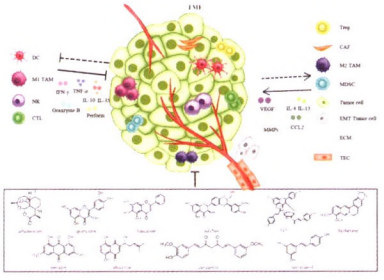
本文概述了国内外对黄芩苷抗肿瘤药理作用及机制的研究进展，为黄芩苷的深入研究提供依据。



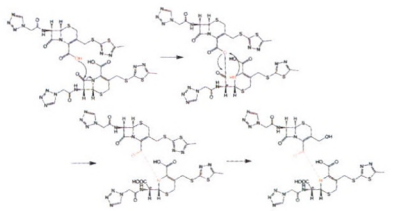


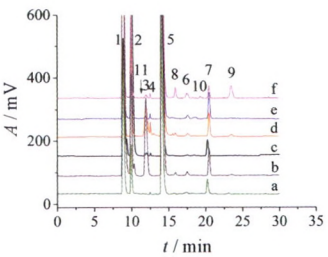


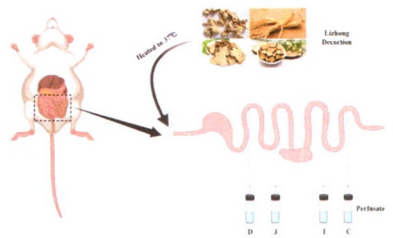


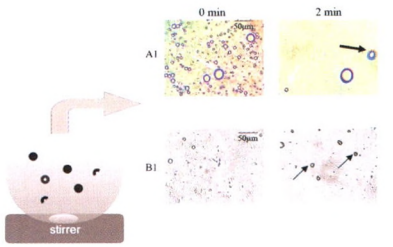


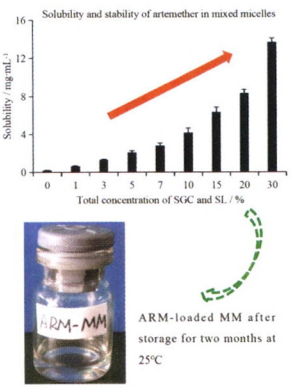
研究论文











ACTA PHARMACEUTICA SINICA

Volume 56 Number 6 2021 June

Graphical Abstracts

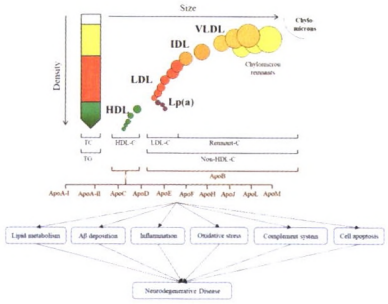
Professionals Forum

1513

Study on blood apolipoprotein as a potential biomarker of neurodegenerative diseases

ZHANG Fang, WANG Xiao-liang*

(Institute of Materia Medica, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing 100050, China)



Lipoproteins are mainly composed of blood lipids and apolipoproteins. Apolipoproteins participate in the occurrence and development of neurodegenerative disease (ND) by affecting lipid metabolism, Aβ deposition, oxidative stress, complement system, and cell apoptosis. This review mainly explores which apolipoproteins in the blood have changed in patients with neurodegenerative diseases compared with non-ND control groups, and whether these changed apolipoproteins can be used as blood biomarkers for neurodegenerative diseases.

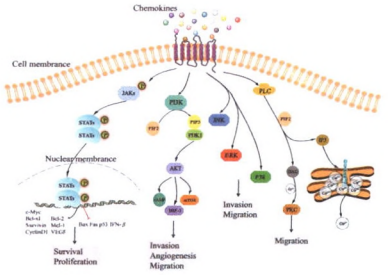
Reviews

1521

Research progress of chemokines and their receptors in breast cancer

WANG Wan-yu, LÜ Xiao-xi, HU Zhuo-wei, LIU Shan-shan*

(State Key Laboratory of Bioactive Substance and Function of Natural Medicines, Institute of Materia Medica, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing 100050, China)



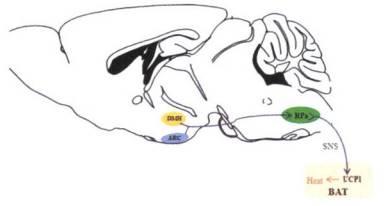
Chemokine-receptor interaction exerts the tumor-promoting effect through a variety of signaling pathways, such as JAK/STATs, PI3K/AKT, MAPK, and PLC. Targeting chemokines and chemokine receptors, or blocking chemokine signalings may become a new strategy for the treatment of breast cancer.

1532

The latest research progress of torpor occurrence mechanism

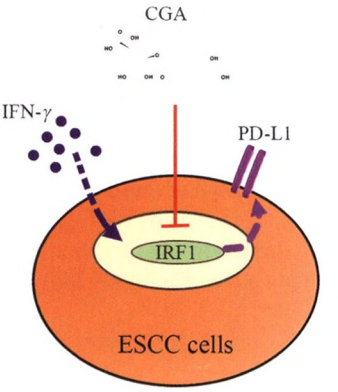
ZHU Zi-yu, JIANG Jian-wei, ZHANG Jian-jun*

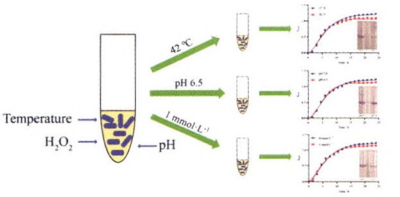
(Beijing Key Laboratory of New Drug Mechanisms and Pharmacological Evaluation Study, Institute of Materia Medica, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing 100050, China)

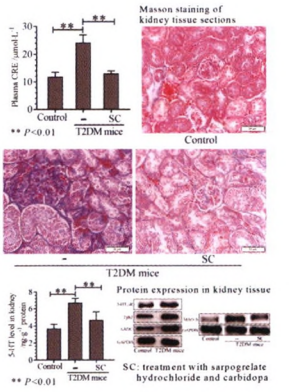


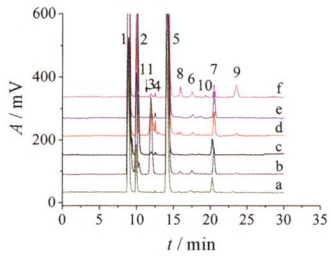
This article summarizes the specific mechanisms regulating the occurrence of torpor from four aspects: adcyap neurons, leptin, QRFP neurons, and sympathetic nervous system, aiming to provide ideas for further research on the mechanism of torpor.

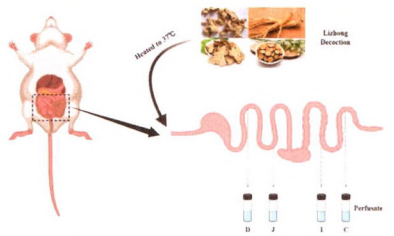
Original Articles

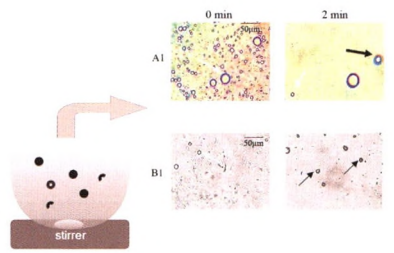


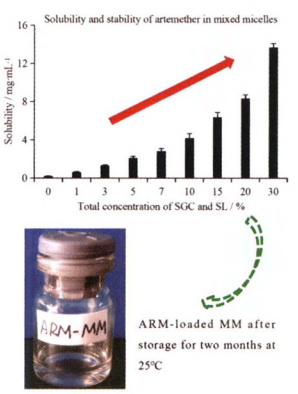












New Drug Forum

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