

Review Article	151	Biomarkers for individualized dosage adjustments in immunosuppressive therapy using calcineurin inhibitors after organ transplantation Rao Fu, Soichiro Tajima, Kimitaka Suetsugu, Hiroyuki Watanabe, Nobuaki Egashira and Satohiro Masuda
Article		
Neuropharmacology	160	A11, a novel diaryl acylhydrazone derivative, exerts neuroprotection against ischemic injury in vitro and in vivo Hong-xuan Feng, Chun-pu Li, Shuang-jie Shu, Hong Liu and Hai-yan Zhang
	170	Naloxone attenuates ischemic brain injury in rats through suppressing the NIK/IKK α /NF- κ B and neuronal apoptotic pathways Xuan Wang, Zu-jun Sun, Jun-lu Wu, Wen-qiang Quan, Wei-dong Xiao, Helen Chew, Cui-min Jiang and Dong Li
	180	NADPH ameliorates MPTP-induced dopaminergic neurodegeneration through inhibiting p38MAPK activation Jing-si Zhou, Zhou Zhu, Feng Wu, Ying Zhou, Rui Sheng, Jun-chao Wu and Zheng-hong Qin
Cardiovascular Pharmacology	192	<i>Ginkgo biloba</i> extracts prevent aortic rupture in angiotensin II-infused hypercholesterolemic mice Xiao-fang Huang, Song-zhao Zhang, Ya-yu You, Na Zhang, Hong Lu, Alan Daugherty and Xiao-jie Xie
	199	Pharmacological actions of miltirone in the modulation of platelet function Wei Song, Yuan-yuan Ma, Shuo Miao, Ru-ping Yang, Ying Zhu, Dan Shu, Meng Lu, Rong Ma and Zhang-yin Ming
	208	Plasma miR-142 predicts major adverse cardiovascular events as an intermediate biomarker of dual antiplatelet therapy Qian-jie Tang, He-ping Lei, Hong Wu, Ji-yan Chen, Chun-yu Deng, Wang-sheng Sheng, Yong-heng Fu, Xiao-hong Li, Yu-bi Lin, Ya-ling Han and Shi-long Zhong
Endocrine Pharmacology	216	Metabolic perturbations of post-load hyperglycemia vs. fasting hyperglycemia Jing-yi Lu, Jia-hui Peng, Xiao-jing Ma, Yi-nan Zhang, Wei Zhu, Xing-xing He, Ling-wen Ying, Yu-qian Bao, Jian Zhou and Wei-ping Jia
Chemotherapy	222	Varacin-1, a novel analog of varacin C, induces p53-independent apoptosis in cancer cells through ROS-mediated reduction of XIAP Jing Zhou, Wen-li Li, Zi-xuan Wang, Nai-yuan Chen, Yue Tang, Xiao-xiao Hu, Jing-huan Deng, Yixin Lu and Guo-dong Lu
	231	Annonaceous acetogenin mimic AA005 suppresses human colon cancer cell growth in vivo through downregulation of Mcl-1 Bing Han, Yu-xia Cao, Zhan-ming Li, Zhao-xia Wu, Yu-qin Mao, Hui-ling Chen, Zhu-jun Yao and Li-shun Wang
	243	Antitumor effect of axitinib combined with dopamine and PK-PD modeling in the treatment of human breast cancer xenograft Yuan-heng Ma, Si-yuan Wang, Yu-peng Ren, Jian Li, Ting-jie Guo, Wei Lu and Tian-yan Zhou

- 257 Novel-smoothened inhibitors for therapeutic targeting of naïve and drug-resistant hedgehog pathway-driven cancers
Qing-rou Li, Hui Zhao, Xue-sai Zhang, Henk Lang and Ker Yu
- 268 Aberrant modulation of ribosomal protein S6 phosphorylation confers acquired resistance to MAPK pathway inhibitors in BRAF-mutant melanoma
Ming-zhao Gao, Hong-bin Wang, Xiang-ling Chen, Wen-ting Cao, Li Fu, Yun Li, Hai-tian Quan, Cheng-ying Xie and Li-guang Lou
- Genetical Pharmacology**
- 279 Identification of predominant *GNPTAB* gene mutations in Eastern Chinese patients with mucopolipidosis II/III and a prenatal diagnosis of mucopolipidosis II
Yu Wang, Jun Ye, Wen-juan Qiu, Lian-shu Han, Xiao-lan Gao, Li-li Liang, Xue-fan Gu and Hui-wen Zhang
- Absorption, Distribution, Metabolism, and Excretion**
- 288 Pretreatment with broad-spectrum antibiotics alters the pharmacokinetics of major constituents of Shaoyao-Gancao decoction in rats after oral administration
Meng Liu, Jie Yuan, Wen-juan Hu, Chang-qiang Ke, Yi-fan Zhang, Yang Ye, Da-fang Zhong, Guang-rong Zhao, Sheng Yao and Jia Liu
- Cover:** A schematic diagram showing how NADPH attenuated MPTP-induced cytotoxicity in DA neurons. MPTP injured the mitochondria while NADPH rescued DA neurons from the neurotoxin through maintaining GSH level and suppressing ROS. NADPH inhibited the nuclear translocation of TP53, upregulation of Bax, and apoptosis of DA neurons through abrogation of p38MAPK phosphorylation activated by excessive ROS. See article in page 180-191.

EXECUTIVE EDITOR FOR THIS ISSUE XU, Jia (Shanghai)

ACTA PHARMACOLOGICA SINICA (Monthly)
2019 February; Volume 40 Number 2
(Founded in September, 1980)

Sponsored by

Chinese Pharmacological Society
Shanghai Institute of Materia Medica, Chinese Academy of Sciences

Supervised by

China Association for Science and Technology

Edited by

Editorial Board of Acta Pharmacologica Sinica
294 Tai-yuan Road, Shanghai 200031, China
[Http://www.chinaphar.com](http://www.chinaphar.com)
E-mail aps@simm.ac.cn or aps@sibs.ac.cn
Phn 86-21-5492-2821, 5492-2822; Fax 86-21-5492-2823

Published jointly by

Editorial Office of Acta Pharmacologica Sinica
Nature Publishing Group

Publication date

5th every month

Printed by

Shanghai Shengtong Times Printing Co Ltd,
268 Jin-shui Road, Shanghai 201506, China

Advertising Management License Number 3101520090002

国内外公开发行
国内统一连续出版物号
CN 31-1347/R
国内邮发代号 4-295
国内每期 100.00元



ISSN 1671-4083

