## Acta Pharmacologica Sinica

Contents

Monthly 2019 May; 40 (5)

Review Article	571	Human pharmacology of positive GABA-A subtype-selective receptor modulators for the treatment of anxiety Xia Chen, Joop van Gerven, Adam Cohen, Gabriel Jacobs
Article Neuropharmacology	583	Selective dopamine D3 receptor antagonist YQA14 inhibits morphine-induced behavioral sensitization in wild type, but not in dopamine D3 receptor knockout mice Yang Lv, Rong-rong Hu, Man-yi Jing, Tai-yun Zhao, Ning Wu, Rui Song, Jin Li, Gang Hu
Cardiovascular Pharmacology	589	PARP1 interacts with HMGB1 and promotes its nuclear export in pathological myocardial hypertrophy Qian Li, Zhuo-ming Li, Shu-ya Sun, Lu-ping Wang, Pan-xia Wang, Zhen Guo, Han-wei Yang, Jian-tao Ye, Jing Lu, Pei-qing Liu
	599	Astragaloside IV attenuates myocardial ischemia/reperfusion injury in rats via inhibition of calcium-sensing receptor-mediated apoptotic signaling pathways Bo Yin, Xu-wei Hou, Mei-li Lu
Hepatic and Pulmonary Pharmacology	608	Osthole prevents tamoxifen-induced liver injury in mice Wen-bo Zhou, Xin-xin Zhang, Yun Cai, Wu Sun, Hao Li
	620	Chemical cocktails enable hepatic reprogramming of human urine-derived cells with a single transcription factor Wei Tang, Ren Guo, Shi-jun Shen, Yang Zheng, Yu-ting Lu, Meng-meng Jiang, Xue Cui, Cizhong Jiang, Xin Xie
	630	Activation of SIRT1 ameliorates LPS-induced lung injury in mice via decreasing endothelial tight junction permeability Cui-ping Fu, Sheng-yu Hao, Xiao-bo Xu, Jian Zhou, Zi-long Liu, Huan Lu, Li-min Wang, Wei-zhong Jin, Shan-qun Li
	642	A pharmacodynamic model of respiratory rate and end-tidal carbon dioxide values during anesthesia in children Ji-Hyun Lee, Pyo-Yoon Kang, Young-Eun Jang, Eun-Hee Kim, Jin-Tae Kim, Hee-Soo Kim
Endocrine Pharmacology	648	Overexpression of steroid receptor coactivators alleviates hyperglycemia-induced endothelial cell injury in rats through activating the PI3K/Akt pathway Xiao-juan Quan, Chun-lian Liang, Ming-zhu Sun, Lin Zhang, Xiu-li Li
Molecular Pharmacology	658	Benzoylaconine induces mitochondrial biogenesis in mice via activating AMPK signaling cascade Xiao-hong Deng, Jing-jing Liu, Xian-jun Sun, Jing-cheng Dong, Jian-hua Huang
Chemotherapy	666	Hispidulin induces ER stress-mediated apoptosis in human hepatocellular carcinoma cells in vitro and in vivo by activating AMPK signaling pathway Mei Han, Hui Gao, Jing Xie, Yin-ping Yuan, Quan Yuan, Ming-quan Gao, Kai-li Liu, Xuehong Chen, Yan-tao Han, Zhi-wu Han

## Acta Pharmacologica Sinica

Contents

Monthly 2019 May; 40 (5)

677 CUDC-907 displays potent antitumor activity against human pancreatic adenocarcinoma

in vitro and in vivo through inhibition of HDAC6 to downregulate c-Myc expression

Xu-hong Fu, Xiong Zhang, Hong Yang, Xiao-wei Xu, Zong-long Hu, Juan Yan, Xing-ling

Zheng, Rong-rui Wei, Zhu-qing Zhang, Shi-rui Tang, Mei-yu Geng, Xun Huang

Acetyl-11-keto-β-boswellic acid suppresses docetaxel-resistant prostate cancer cells in

vitro and in vivo by blocking Akt and Stat3 signaling, thus suppressing chemoresistant

stem cell-like properties

Yong-qing Liu, Shi-kang Wang, Qing-qing Xu, Hui-qing Yuan, Yan-xia Guo, Qian Wang,

 $Feng\ Kong,\ Zhao\text{-}min\ Lin,\ De\text{-}qing\ Sun,\ Rong\text{-}mei\ Wang,\ Hong\text{-}xiang\ Lou$ 

699 Is the combinational administration of doxorubicin and glutathione a reasonable proposal?

Bo-yu Shen, Chong Chen, Yang-fan Xu, Jia-jia Shen, Hui-min Guo, Hao-feng Li, Xi-nuo Li,

Dian Kang, Yu-hao Shao, Zhang-pei Zhu, Xiao-xi Yin, Lin Xie, Guang-ji Wang, Yan Liang

Absorption,
Distribution,
Metabolism, and
Excretion

Population-based volume kinetics of Ringer's lactate solution in patients undergoing

open gastrectomy

Joo-Hyun Lee, Yeong-Jin Choo, Yong-Hun Lee, Jin-Ho Rhim, Soo-Han Lee, Byung-Moon

Choi, Sung-Tae Oh, Kyu-Taek Choi, Gyu-Jeong Noh

Cover:

710

Hispidulin is a phenolic flavonoid compound isolated mainly from *S. involucrata*. In present study, hispidulin has been found to activate the endoplasmic reticulum stress signaling, which leads to apoptosis of hepatocellular carcinoma cells. Moreover, the pro-apoptotic effect of hispidulin is associated with mitochondrial dysfunction and modulation of AMPK/mTOR signaling pathway.

See article in page 666-676

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