The Journal of **PHARMACOLOGY**

And Experimental Therapeutics A Publication of the American Society for Pharmacology and Experimental Therapeutics			
	Contents		
Н	GHLIGHTED PAPERS	1	
M	NIREVIEW		
	Epigenetic Modifications in Fibrotic Diseases: Implications for Pathogenesis and Pharmacological Targets Hong-Wei Yao and Jun Li	2	
ВЕ	HAVIORAL PHARMACOLOGY		
	N-Methyl-D-Aspartate Receptor Channel Blocker–Like Discriminative Stimulus Effects of Nitrous Oxide Gas Kellianne J. Richardson and Keith L. Shelton	156	
CA	ARDIOVASCULAR		
	Vanillin and Vanillin Analogs Relax Porcine Coronary and Basilar Arteries by Inhibiting L-Type Ca ²⁺ Channels Gábor Raffai, Gilson Khang, and Paul M. Vanhoutte	14	
	Ophiopogonin D Attenuates Doxorubicin-Induced Autophagic Cell Death by Relieving Mitochondrial Damage In Vitro and In Vivo Ying-Yu Zhang, Chen Meng, Xin-Mu Zhang, Cai-Hua Yuan, Ming-Da Wen, Zhong Chen, Da-Chuan Dong Yan-Hong Gao, Chang Liu, and Zhao Zhang		
CE	ELLULAR AND MOLECULAR		
S	Brazilin Isolated from <i>Caesalpinia sappan</i> Suppresses Nuclear Envelope Reassembly by Inhibiting Barrier-to Autointegration Factor Phosphorylation Seong-Hoon Kim, Ha-Na Lyu, Ye Seul Kim, Yong Hyun Jeon, Wanil Kim, Sangjune Kim, Jong-Kwan Lim, Ho Won Lee Nam-In Baek, Kwan-Yong Choi, Jaetae Lee, and Kyong-Tai Kim		
CH	HEMOTHERAPY, ANTIBIOTICS, AND GENE THERAPY		
S	Regulation of a Notch3-Hes1 Pathway and Protective Effect by a Tocopherol-Omega Alkanol Chain Derivative in Muscle Atrophy Yannick von Grabowiecki, Cynthia Licona, Lavinia Palamiuc, Paula Abreu, Vania Vidimar, Djalil Coowar, Georg Mellitzer, and Christian Gaiddon		
DF	RUG DISCOVERY AND TRANSLATIONAL MEDICINE		
S	An α-Acetoxy-Tirucallic Acid Isomer Inhibits Akt/mTOR Signaling and Induces Oxidative Stress in Prostate Cancer Cell Menna El Gaafary, Berthold Büchele, Tatiana Syrovets, Sara Agnolet, Bernd Schneider, Christoph Q. Schmidt, and Thomas Simmet		
S	Seizure Control by Derivatives of Medium Chain Fatty Acids Associated with the Ketogenic Diet Show Nove Branching-Point Structure for Enhanced Potency Pishan Chang, Alexandra M. E. Zuckermann, Sophie Williams, Adam J. Close, Marife Cano-Jaimez, James P. McEvoy John Spencer, Matthew C. Walker, and Robin S. B. Williams		
S	Evaluation of AaDOP2 Receptor Antagonists Reveals Antidepressants and Antipsychotics as Novel Lead Molecules fo	r 53	

Downloaded from jpet.aspetjournals.org at ASPET Journals on March 8, 2024

61

Pharmacologic Targeting of Sphingosine-1-Phosphate Receptor 1 Improves the Renal Microcirculation during Sepsis in

Jason M. Conley, Jason M. Meyer, Andrew B. Nuss, Trevor B. Doyle, Sergey N. Savinov, Catherine A. Hill, and Val J. Watts

Zhen Wang, Clark R. Sims, Naeem K. Patil, Neriman Gokden, and Philip R. Mayeux

Control of the Yellow Fever Mosquito, Aedes aegypti

119

148

S	The Antiparasitic Drug, Potassium Antimony Tartrate, Inhibits Tumor Angiogenesis and Tumor Growth in Nonsmall-Cell Lung Cancer	129	
	Beibei Wang, Weiwei Yu, Jiawei Guo, Xingwu Jiang, Weiqiang Lu, Mingyao Liu, and Xiufeng Pang		
	Analgesic Properties of a Peripherally Acting and GalR2 Receptor-Preferring Galanin Analog in Inflammatory, Neuropathic, and Acute Pain Models	185	
	Cameron S. Metcalf, Brian D. Klein, Daniel R. McDougle, Liuyin Zhang, Misty D. Smith, Grzegorz Bulaj, and H. Steve White		
ENDOCRINE AND DIABETES			
	Regulation of Human 3β -Hydroxysteroid Dehydrogenase Type 2 by Adrenal Corticosteroids and Product-Feedback by Androstenedione in Human Adrenarche	67	
	James L. Thomas, Maheshinie Rajapaksha, Vance L. Mack, Geneva A. DeMars, Joseph A. Majzoub, and Himangshu S. Bose		
GASTROINTESTINAL, HEPATIC, PULMONARY, AND RENAL			
S	M1 Polarization Bias and Subsequent Nonalcoholic Steatohepatitis Progression Is Attenuated by Nitric Oxide Donor DETA NONOate via Inhibition of CYP2E1-Induced Oxidative Stress in Obese Mice	77	
	Ratanesh Kumar Seth, Suvarthi Das, Sahar Pourhoseini, Diptadip Dattaroy, Stephen Igwe, Julie Basu Ray, Daping Fan, Gregory A. Michelotti, Anna Mae Diehl, and Saurabh Chatterjee		
S	Demethyleneberberine, a Natural Mitochondria-Targeted Antioxidant, Inhibits Mitochondrial Dysfunction, Oxidative Stress, and Steatosis in Alcoholic Liver Disease Mouse Model	139 Down	
	Pengcheng Zhang, Xiaoyan Qiang, Miao Zhang, Dongshen Ma, Zheng Zhao, Cuisong Zhou, Xie Liu, Ruiyan Li, Huan Chen, and Yubin Zhang	loaded	
INFLAMMATION, IMMUNOPHARMACOLOGY, AND ASTHMA		from j	
	The Antipsoriatic Agent Monomethylfumarate Has Antiproliferative, Prodifferentiative, and Anti-Inflammatory Effects on Keratinocytes	90 pet.asp	
	Inas Helwa, Ravi Patel, Peter Karempelis, Ismail Kaddour-Djebbar, Vivek Choudhary, and Wendy B. Bollag	эetjou	
NEUROPHARMACOLOGY		rnals	
	The G Protein–Biased κ-Opioid Receptor Agonist RB-64 Is Analgesic with a Unique Spectrum of Activities In Vivo Kate L. White, J. Elliott Robinson, Hu Zhu, Jeffrey F. DiBerto, Prabhakar R. Polepally, Jordan K. Zjawiony, David E. Nichols, C. J. Malanga, and Bryan L. Roth	Downloaded from jpet.aspetjournals.org at ASPET Journal 90 98 110	
	Complex Disposition of Methylthioninium Redox Forms Determines Efficacy in Tau Aggregation Inhibitor Therapy for Alzheimer's Disease	110 ET Joi	
	Thomas C. Baddeley, Jennifer McCaffrey, John M. D. Storey, John K. S. Cheung, Valeria Melis, David Horsley,	urna	

Charles R. Harrington, and Claude M. Wischik

Melatonin Receptors Trigger cAMP Production and Inhibit Chloride Movements in Nonpigmented Ciliary Epithelial Cells Fernando Huete-Toral, Almudena Crooke, Alejandro Martínez-Águila, and Jesús Pintor

Evidence for α -Helices in the Large Intracellular Domain Mediating Modulation of the α 1-Glycine Receptor by Ethanol and $G\beta\gamma$

Carlos F. Burgos, Patricio A. Castro, Trinidad Mariqueo, Marta Bunster, Leonardo Guzmán, and Luis G. Aguayo