MOLECULAR

[S]

 \mathbf{S}

[S]

[S]

[S]

 $_{\rm S}$

 \mathbf{S}

PHARMACOLOGY

90

July 2012	Volume 82	Number 1	molpharm.aspetjournals.org	ISSN 1521-011	11
ARTICLES					
Membrane Pot Bromide	tential-Dependent Inh	nibition of the Na ⁺ ,K	⁺ -ATPase by <i>para</i> -Nitrobenzyltriethylamn	nonium	
R. Daniel	l Peluffo and Joshuo	a R. Berlin]
Quantific	eation		thin: Mechanism of Cytotoxicity and Int		,
Craig H.	Kuder, Ryan M. Sh	eehy, Jeffrey D. Ne	ighbors, David F. Wiemer, and Raymon	id $J.\ Hohl$	í
Influence of the Coupling		n SET on M3 Musc	carinic Receptor Phosphorylation and G	ł Protein	
		ner, Joelle Cohen-To	annoudji, Andrew B. Tobin, and Stephe	en M. Lanier	17
•		,	-thiones Enhances Antioxidant Capacit	y and	
	Mitochondria from (Koo, Woo Hyung Le		and Sang Geon Kim	6	27
	2 Gene, Encoding H tamin D Receptor	luman Organic Ani	on-Transporting Polypeptide 1A2, Is Tr	ransactivated	
•	-	Hiller, Moritz Jütt	ner, and Gerd A. Kullak-Ublick	ę	37
	verses ATP-Binding and Ex Vivo	Cassette B1-Media	ated Chemotherapeutic Drug Resistanc	e In Vitro,	
Xiao-qin .	Zhao, Jing-dun Xie,		ong May Sim, Xu Zhang, Yong-ju Lian Suresh V. Ambudkar, Zhe-Sheng Chen,	g,	
and Li-w		aieie, Tueii Sun, L	suresh v. Amouakar, Zhe-Sheng Chen,	2	47
	ansporter Regulator ters (CNTs) in Epith		e Modulation of Concentrative Nucleoside	e	
Ekaitz Er	rrasti-Murugarren, I	Paula Fernández-C	'alotti, Mayke Veyhl-Wichmann,	V 11	
	an Diepoia, tiziar P çal Pastor-Anglada	inilia-Macua, Sand	dra Pérez-Torras, Helmut Kipp, Herman		59
Receptor	_	ors Display Attenu	te that Selective Peroxisome Proliferate aated and Selective Gene Regulatory Ac		
Yejun Ta	n, Eric S. Muise, Ho	ongyue Dai, Richar	rd Raubertas, Kenny K. Wong, G. Marie , John R. Thompson, and Joel P. Berge		68
Effects of Nuc Pouch	cleotide Analogs at t	the P2X3 Receptor	and Its Mutants Identify the Agonist I	Binding	
	Riedel, Sara Wiese, A	Anna Leichsenring	, and Peter Illes	{	80
			Based on the Inhibition of K _V Channels to da Silva, Nancy Oguiura, Malvina E		

Eduardo B. de Oliveira, André J. Zaharenko, Jose C. de Freitas, and Jan Tytgat

	Architecture and Pore Block of Eukaryotic Voltage-Gated Sodium Channels in View of NavAb Bacterial Sodium Channel Structure Denis B. Tikhonov and Boris S. Zhorov	97
S	Methemoglobin Formation by Triapine, Di-2-pyridylketone-4,4-dimethyl-3-thiosemicarbazone (Dp44mT), and Other Anticancer Thiosemicarbazones: Identification of Novel Thiosemicarbazones and Therapeutics That Prevent This Effect Patricia Quach, Elaine Gutierrez, Maram Talal Basha, Danuta S. Kalinowski, Philip C. Sharpe, David B. Lovejoy, Paul V. Bernhardt, Patric J. Jansson, and Des R. Richardson	105
S	Muscarinic Type 3 Receptor Induces Cytoprotective Signaling in Salivary Gland Cells through Epidermal Growth Factor Receptor Transactivation Mikihito Kajiya, Isao Ichimonji, Christine Min, Tongbo Zhu, Jun-O Jin, Qing Yu, Soulafa A. Almazrooa, Seunghee Cha, and Toshihisa Kawai	115
	Balancing Antiviral Potency and Host Toxicity: Identifying a Nucleotide Inhibitor with an Optimal Kinetic Phenotype for HIV-1 Reverse Transcriptase Christal D. Sohl, Rajesh Kasiviswanathan, Jiae Kim, Ugo Pradere, Raymond F. Schinazi, William C. Copeland, Hiroaki Mitsuya, Masanori Baba, and Karen S. Anderson	125
S	The Polyphenolic Ellagitannin Vescalagin Acts As a Preferential Catalytic Inhibitor of the α Isoform of Human DNA Topoisomerase II Céline Auzanneau, Danièle Montaudon, Rémi Jacquet, Stéphane Puyo, Laurent Pouységu, Denis Deffieux, Assia Elkaoukabi-Chaibi, Francesca De Giorgi, François Ichas, Stéphane Quideau, and Philippe Pourquier	134
	ERRATUM	
	Correction to "Polymorphism and Ligand Dependent Changes in Human Glucagon-Like Peptide-1 Receptor (GLP-1R) Function: Allosteric Rescue of Loss of Function Mutation"	142

About the cover: A cytoplasmic view (top left) of the superimposed KcsA-based (red) and NavAb-based (green) models of Nav1. For clarity, S5 helices not shown. Tetracaine is shown as rods with red oxygens, blue nitrogens, and orange carbons. A side view (top right) has two repeats removed for clarity and the selectivity-filter residues (DEKA, Asp-Glu-Lys-Ala) shown as sticks. Orthogonal side views (bottom) of the NavAb-based model of Nav1.4 with the local anesthetic-sensing residue Tyr⁴ⁱ²² shown as sticks. Some residues that control the hydrophobic access pathway to the closed channels are space-filled. See article by Tikhonov and Zhorov on page 97 of this issue.