MINIREVIEWS

Ligand- and Heterodimer-Directed Signaling of the CB1 Cannabinoid Receptor
Brian D. Hudson, Terence E. Hébert, and Melanie E. M. Kelly 1

The Signaling Pathway Leading to Extracellular Signal-Regulated Kinase 5 (ERK5) Activation via G-Proteins and ERK5-Dependent Neurotrophic Effects
Yutaro Obara and Norimichi Nakahata 10

ARTICLES

Epigallocatechin-3-gallate Inhibits Osteoclastogenesis by Down-Regulating c-Fos Expression and Suppressing the Nuclear Factor-κB Signal
Jong-Ho Lee, Hexiu Jin, Hye-Eun Shim, Ha-Neui Kim, Hyunil Ha, and Zang Hee Lee 17

Inhibitors of the Mitochondrial Citrate Transport Protein: Validation of the Role of Substrate Binding Residues and Discovery of the First Purely Competitive Inhibitor
Sreevidya Aluvila, Jiakang Sun, David H. T. Harrison, D. Eric Walters, and Ronald S. Kaplan 26

An Epilepsy-Related Region in the GABA_A Receptor Mediates Long-Distance Effects on GABA and Benzodiazepine Binding Sites
Marcel P. Goldschen-Ohm, David A. Wagner, Steven Petrou, and Mathew V. Jones 35

Selective and Brain Penetrant Neuropeptide Y Y2 Receptor Antagonists Discovered by Whole-Cell High-Throughput Screening
Shaun P. Brothers, S. Adrian Saldanha, Timothy P. Spicer, Michael Cameron, Becky A. Mercer, Peter Chase, Patricia McDonald, Claes Wahlestedt, and Peter S. Hodder 46

Pharmacological Removal of Human Ether-à-go-go-Related Gene Potassium Channel Inactivation by 3-Nitro-N-(4-phenoxyphenyl) Benzamide (ICA-105574)
Aaron C. Gerlach, Sally J. Stoehr, and Neil A. Castle 58

Crofelemer, an Antisecretory Anti-diarrheal Proanthocyanidin Oligomer Extracted from Croton lechleri, Targets Two Distinct Intestinal Chloride Channels
Lukmanee Tradtrantip, Wan Namkung, and A. S. Verkman 69
The Human ADFP Gene Is a Direct Liver-X-Receptor (LXR) Target Gene and Differentially Regulated by Synthetic LXR Ligands

Pia Kotokorpi, Nicolas Ventecler, Ewa Ellis, Jan-Åke Gustafsson, and Agneta Mode

Mechanisms of Inhibition of T-Type Calcium Current in the Reticular Thalamic Neurons by 1-Octanol: Implication of the Protein Kinase C Pathway

Pavle M. Joksic, Won Joo Choe, Michael T. Nelson, Peihan Orestes, Barbara C. Brimelow, and Slobodan M. Todorovic

Identification and Characterization of a Small Molecule Antagonist of Human VPAC2 Receptor

Alan Chu, Jeremy S. Caldwell, and Yu Alice Chen

μ-Opioid Receptor Agonists Differentially Regulate the Expression of miR-190 and NeuroD

Hui Zheng, Yan Zeng, Xiaoxiao Zhang, Ji Chu, Horace H. Loh, and Ping-Yee Law

Supplemental material is available online at http://molpharm.aspetjournals.org.

About the cover: Important binding interactions for the docked conformations of BTC with the mitochondrial CTP model. See the article by Aluvila et al. on page 26 of this issue.