

MOLECULAR PHARMACOLOGY

November 2017

Volume 92

Number 5

molpharm.aspetjournals.org

ISSN 1521-0111

ACCELERATED COMMUNICATION

- The Actions of Drug Combinations on the GABA_A Receptor Manifest as Curvilinear Isocholes of Additivity
Daniel J. Shin, Allison L. Germann, Joe Henry Steinbach, and Gustav Akk 556

ARTICLES

- E6130, a Novel CX3C Chemokine Receptor 1 (CX3CR1) Modulator, Attenuates Mucosal Inflammation and Reduces CX3CR1⁺ Leukocyte Trafficking in Mice with Colitis
Hisashi Wakita, Tatsuya Yanagawa, Yoshikazu Kuboi, and Toshio Imai 502
- Selective HIF-1 Regulation under Nonhypoxic Conditions by the p42/p44 MAP Kinase Inhibitor PD184161
Maroua Jalouli, Sophie Mokas, Catherine A. Turgeon, Laurent Lamallice, and Darren E. Richard 510
- Transforming Growth Factor- β 1/Activin Receptor-like Kinase 5-Mediated Cell Migration is Dependent on the Protein Proteinase-Activated Receptor 2 but not on Proteinase-Activated Receptor 2-Stimulated G_q-Calcium Signaling
Hendrik Ungefroren, David Witte, Koichiro Mihara, Bernhard H. Rauch, Petra Henklein, Olaf Jöhren, Shirin Bonni, Utz Settmacher, Hendrik Lehnert, Morley D. Hollenberg, Roland Kaufmann, and Frank Gieseler 519
- Prostaglandin E₂ Inhibits Histamine-Evoked Ca²⁺ Release in Human Aortic Smooth Muscle Cells through Hyperactive cAMP Signaling Junctions and Protein Kinase A
Emily J. A. Taylor, Evangelia Pantazaka, Kathryn L. Shelley, and Colin W. Taylor 533
- A Single Amino Acid Substitution in the Third Transmembrane Region Has Opposite Impacts on the Selectivity of the Parasitocides Fluralaner and Ivermectin for Ligand-Gated Chloride Channels
Yunosuke Nakata, Toshinori Fuse, Kohei Yamato, Miho Asahi, Kunimitsu Nakahira, Fumiyo Ozoe, and Yoshihisa Ozoe 546
- N-Acetyl-L-Cysteine Protects Astrocytes against Proteotoxicity without Recourse to Glutathione
Amanda M. Gleixner, Daniel F. Hutchison, Sara Sannino, Tarun N. Bhatia, Lillian C. Leak, Patrick T. Flaherty, Peter Wipf, Jeffrey L. Brodsky, and Rehana K. Leak 564
- The Anthracycline Metabolite Doxorubicinol Abolishes RyR2 Sensitivity to Physiological Changes in Luminal Ca²⁺ through an Interaction with Calsequestrin
Amy D. Hanna, Alexander Lam, Chris Thekkedam, Hermia Willemse, Angela F. Dulhunty, and Nicole A. Beard 576
- Agonist-Dependent and -Independent κ Opioid Receptor Phosphorylation: Distinct Phosphorylation Patterns and Different Cellular Outcomes
Yi-Ting Chiu, Chongguang Chen, Daohai Yu, Stefan Schulz, and Lee-Yuan Liu-Chen 588
- Teaching an Old Drug New Tricks: Agonism, Antagonism, and Biased Signaling of Pilocarpine through M3 Muscarinic Acetylcholine Receptor
Alexey N. Pronin, Qiang Wang, and Vladlen Z. Slepak 601

- ▣ Distinct Signaling Patterns of Allosteric Antagonism at the P2Y₁ Receptor
Zhan-Guo Gao and Kenneth A. Jacobson 613

ERRATUM

- Correction to “A Scale of Agonism and Allosteric Modulation for Assessment of Selectivity, Bias,
and Receptor Mutation” 501

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

About the cover: Pilocarpine is a full agonist in the pupil constriction assay Pronin et al... (dx.doi.org/10.1124/mol.117.109678).