

MOLECULAR PHARMACOLOGY

October 2017

Volume 92

Number 4

molpharm.aspetjournals.org

ISSN 1521-0111

MINIREVIEW

- A Scale of Agonism and Allosteric Modulation for Assessment of Selectivity, Bias, and Receptor Mutation
Terry Kenakin 414

ARTICLES

- NO-Sensitive Guanylate Cyclase Isoforms NO-GC1 and NO-GC2 Contribute to Noise-Induced Inner Hair Cell Synaptopathy
Dorit Möhrle, Katrin Reimann, Steffen Wolter, Markus Wolters, Ksenya Varakina, Evanthia Mergia, Nicole Eichert, Hyun-Soon Geisler, Peter Sandner, Peter Ruth, Andreas Friebe, Robert Feil, Ulrike Zimmermann, Doris Koesling, Marlies Knipper, and Lukas Rüttiger 375
- A Novel Selective Inverse Agonist of the CB₂ Receptor as a Radiolabeled Tool Compound for Kinetic Binding Studies
Andrea Martella, Huub Sijben, Arne C. Rufer, Uwe Grether, Juergen Fingerle, Christoph Ullmer, Thomas Hartung, Adriaan P. IJzerman, Mario van der Stelt, and Laura H. Heitman 389
- Molecular Mechanism of Taurocholate Transport by the Bile Salt Export Pump, an ABC Transporter Associated with Intrahepatic Cholestasis
Muhammad Imran Sohail, Diethart Schmid, Katrin Wlcek, Matthias Spork, Gergely Szakács, Michael Trauner, Thomas Stockner, and Peter Chiba 401
- Altenusin, a Nonsteroidal Microbial Metabolite, Attenuates Nonalcoholic Fatty Liver Disease by Activating the Farnesoid X Receptor
Zhihui Zheng, Zanmei Zhao, Shuqiang Li, Xinhua Lu, Mengxi Jiang, Jie Lin, Yunqi An, Yang Xie, Meishu Xu, Wenbin Shen, Grace L. Guo, Yixian Huang, Song Li, Xuexia Zhang, and Wen Xie 425
- Molecular Basis of Altered hERG1 Channel Gating Induced by Ginsenoside Rg₃
Alison Gardner, Wei Wu, Steven Thomson, Eva-Maria Zangerl-Plessl, Anna Stary-Weinzinger, and Michael C. Sanguinetti 437
- Human Missense Mutations in Regulator of G Protein Signaling 2 Affect the Protein Function Through Multiple Mechanisms
Hoa T.N. Phan, Benita Sjögren, and Richard R. Neubig 451
- Suramin Inhibits Osteoarthritic Cartilage Degradation by Increasing Extracellular Levels of Chondroprotective Tissue Inhibitor of Metalloproteinases 3
Anastasios Chanalaris, Christine Doherty, Brian D. Marsden, Gabriel Bambridge, Stephen P. Wren, Hideaki Nagase, and Linda Troeberg 459
- Structural Determinants for the Selectivity of the Positive KCa_{3.1} Gating Modulator 5-Methylnaphtho[2,1-d]oxazol-2-amine (SKA-121)
Brandon M. Brown, Heesung Shim, Miao Zhang, Vladimir Yarov-Yarovoy, and Heike Wulff 469
- Nitro-Oleic Acid Regulates Endothelin Signaling in Human Endothelial Cells
Emilia Kansanen, Suvi M. Kuosmanen, Anna-Kaisa Ruotsalainen, Heidi Hynynen, and Anna-Liisa Levonen 481

- ☐ Splice Variants of pH-Sensitive Chloride Channel Identify a Key Determinant of Ivermectin Sensitivity in the Larvae of the Silkworm *Bombyx mori* 491
Daiki Okuhara, Shogo Furutani, Katsuhiko Ito, Makoto Ihara, and Kazuhiko Matsuda

ERRATUM

- Correction to “6-Mercaptopurine Decreases the Bcl-2/Bax Ratio and Induces Apoptosis in Activated Splenic B Lymphocytes” 500

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

About the cover: Computational docking analysis of the binding of 2076A to FXR. Please see the article by Xie et al ([dx.doi.org/10.1124/mol.117.108829](https://doi.org/10.1124/mol.117.108829)).