

MOLECULAR PHARMACOLOGY

A Publication of the American Society for Pharmacology and Experimental Therapeutics

February 2024

Vol. 105, No. 2

Contents

MINIREVIEW

- Pharmacological Targeting of Senescence with Senolytics as a New Therapeutic Strategy for Neurodegeneration 64
Miriam Richardson and Des R. Richardson

ARTICLES

- ☐ β -Caryophyllene Inhibits Monoacylglycerol Lipase Activity and Increases 2-Arachidonoyl Glycerol Levels In Vivo: A New Mechanism of Endocannabinoid-Mediated Analgesia? 75
Jost Klawitter, Wiebke Weissenborn, Iuliia Gvon, Mackenzie Walz, Jelena Klawitter, Matthew Jackson, Cristina Sempio, Sonja L. Joksimovic, Touraj Shokati, Ingo Just, Uwe Christians, and Slobodan M. Todorovic
- ☐ Pharmacological Characterization of the Zebrafish (*Danio Rerio*) Histamine H₁ Receptor Reveals the Involvement of the Second Extracellular Loop in the Binding of Histamine 84
Daniel A. McNaught-Flores, Albert J. Kooistra, Yu-Chia Chen, Jose-Antonio Arias-Montano, Pertti Panula, and Rob Leurs
- ☐ A Constitutive EGFR Kinase Dimer to Study Inhibitor Pharmacology 97
Justin J. Kim, Ilse K. Schaeffner, David E. Heppner, Ciric To, Pasi A. Jänne, Tyler S. Beyett, and Michael J. Eck
- ☐ Signaling Specificity and Kinetics of the Human Metabotropic Glutamate Receptors 104
Tyler W. McCulloch, Loren P. Cardani, and Paul J. Kammermeier

☐ Supplemental material is available online at molpharm.aspetjournals.org.

About the cover: The structures of human H₁ receptors. See the article by McNaught-Flores et al. ([dx.doi.org/10.1124/molpharm.123.000741](https://doi.org/10.1124/molpharm.123.000741)).