

MOLECULAR PHARMACOLOGY

A Publication of the American Society for Pharmacology and Experimental Therapeutics

November 2024

Vol. 106, No. 5

Contents

MINIREVIEW

- Going Rogue: Mechanisms, Regulation, and Roles of Mutationally Activated G α in Human Cancer 198
Morgan B. Dwyer, Jenna L. Aumiller, and Philip B. Wedegaertner

ARTICLES

- Arachidonic Acid Directly Activates the Human DP2 Receptor 216
Michael Kurz, Michaela Ulrich, Sina B. Kirchhofer, Alwina Bittner, Michael Daude, Wibke E. Diederich, Kim Pauk, Holger Garn, and Moritz Bünemann
- Simplified Method for Kinetic and Thermodynamic Screening of Cardiotonic Steroids through the K⁺-Dependent Phosphatase Activity of Na⁺/K⁺-ATPase with Chromogenic pNPP Substrate 225
Pedro Azalim-Neto, François Noël, Simone C. Silva, José A.F.P. Villar, Leandro Barbosa, George A. O'Doherty, and Luis Eduardo M. Quintas
- Ketamine and Major Ketamine Metabolites Function as Allosteric Modulators of Opioid Receptors 240
Ivone Gomes, Achla Gupta, Elyssa B. Margolis, Lloyd D. Fricker, and Lakshmi A. Devi
- Ghrelin Modulates Voltage-Gated Ca²⁺ Channels through Voltage-Dependent and Voltage-Independent Pathways in Rat Gastric Vagal Afferent Neurons 253
Hannah J. Goudsward, Victor Ruiz-Velasco, Salvatore L. Stella, Jr., Paul B. Herold, and Gregory M. Holmes
- Inhibitory Actions of Potentiating Neuroactive Steroids in the Human $\alpha 1\beta 3\gamma 2L$ γ -Aminobutyric Acid Type A Receptor 264
Spencer R. Pierce, Allison L. Germann, Douglas F. Covey, Alex S. Evers, Joe Henry Steinbach, and Gustav Akk

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

About the cover: The G protein cycle is disrupted by constitutively active G α . See the article by Dwyer et al. ([dx.doi.org/10.1124/molpharm.124.000743](https://doi.org/10.1124/molpharm.124.000743)).