

MOLECULAR PHARMACOLOGY

November 2020

Volume 98

Number 5

molpharm.aspetjournals.org

ISSN 1521-0111

MINIREVIEWS

Notch1 in Cancer Therapy: Possible Clinical Implications and Challenges

L. Gharaibeh, N. Elmadany, K. Alwosaibai, and W. Alshaer

559

Functions of the CXCL12 Receptor ACKR3/CXCR7—What Has Been Perceived and What Has Been Overlooked

Christian Koch and Jürgen Engele

577

Heparin-binding Peptides as Novel Therapies to Stop SARS-CoV-2 Cellular Entry and Infection

Omid Tavassoly, Farinaz Safavi, and Iman Tavassoly

612

■ Molecular Pharmacology of NRH:Quinone Oxidoreductase 2: A Detoxifying Enzyme Acting as an Undercover Toxicifying Enzyme

Elzbieta Janda, Françoise Nepveu, Barbara Calamini, Gilles Ferry, and Jean A. Boutin

620

ARTICLES

■ Structure of Cytochrome P450 2C9*2 in Complex with Losartan: Insights into the Effect of Genetic Polymorphism

Sonia J. Parikh, Chiara M. Evans, Juliet O. Obi, Qinghai Zhang, Keiko Maekawa, Karen C. Glass, and Manish B. Shah

529

■ GS-967 and Eleclazine Block Sodium Channels in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes

Franck Potet, Defne E. Egecioglu, Paul W. Burridge, and Alfred L. George Jr.

540

Regulation of Kappa Opioid Receptor Inactivation Depends on Sex and Cellular Site of Antagonist Action

Kathryn L. Reichard, Keionna A. Newton, Zeena M.G. Rivera, Paulo M. Sotero de Menezes, Selena S. Schattauer, Benjamin B. Land, and Charles Chavkin

548

■ Transient Receptor Potential Ankyrin-1 and Vanilloid-3 Differentially Regulate Endoplasmic Reticulum Stress and Cytotoxicity in Human Lung Epithelial Cells After Pneumotoxic Wood Smoke Particle Exposure

Nam D. Nguyen, Tosifa A. Memon, Katherine L. Burrell, Marysol Almestica-Roberts, Emmanuel Rapp, Lili Sun, Abigail F. Scott, Joseph E. Rower, Cassandra E. Deering-Rice, and Christopher A. Reilly

586

■ Arrestin Recruitment to C-C Chemokine Receptor 5: Potent C-C Chemokine Ligand 5 Analogs Reveal Differences in Dependence on Receptor Phosphorylation and Isoform-Specific Recruitment Bias

Elsa Martins, Hellena Brodier, Irène Rossitto-Borlat, Ilke Ilgaz, Mélanie Villard, and Oliver Hartley

599

- Antiepileptic Drug–Activated Constitutive Androstane Receptor Inhibits Peroxisome Proliferator–Activated Receptor α and Peroxisome Proliferator–Activated Receptor γ Coactivator 1 α –Dependent Gene Expression to Increase Blood Triglyceride Levels
Ryota Shizu, Yuta Otsuka, Kanako Ezaki, Chizuru Ishii, Shingo Arakawa, Yuto Amaike, Taiki Abe, Takuomi Hosaka, Takamitsu Sasaki, Yuichiro Kanno, Masaaki Miyata, Yasushi Yamazoe, and Kouichi Yoshinari

634

ERRATUM

Correction to “Commentary on: Does COVID19 Infect the Brain? If So, Smokers Might Be at a Higher Risk” 598

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

About the cover: The overlay of CYP2C9*2 (brown) in complex with losartan with the CYP2C9 WT-losartan complex (violet) in an orthogonal representation focusing at distal variation. See article by Parikh et al. ([dx.doi.org/10.1124/molpharm.120.000042](https://doi.org/10.1124/molpharm.120.000042)).