IUPHAR Nomenclature Report

International Union of Basic and Clinical Pharmacology. CVII. Structure and Pharmacology of the Apelin Receptor with a Recommendation that Elabela/Toddler Is a Second Endogenous Peptide Ligand

Cai Read, Duuamene Nyimanu, Thomas L. Williams, David J. Huggins, Petra Sulentic, Robyn G. C. Macrae, Peiran Yang, Robert C. Glen, Janet J. Maguire, and Anthony P. Davenport

Review Articles

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Nicholas Denomme, Jacob M. Hall, and George A. Mashour

Beyond the Ligand: Extracellular and Transcellular G Protein–Coupled Receptor Complexes in Physiology and Pharmacology

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Gerald A. Higgins, Aaron M. Williams, Alex S. Ade, Hasan B. Alam, and Brian D. Athey

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Lauren B. Arendse, A. H. Jan Danser, Marko Poglitsch, Rhian M. Touyz, John C. Burnett, Jr., Catherine Llorens-Cortes, Mario R. Ehlers, and Edward D. Sturrock

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Barbara Zarzycka, Saheem A. Zaidi, Bryan L. Roth, and Vsevolod Katritch

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Challenges and Opportunities for Childhood Cancer Drug Development

Peter J. Houghton and Raushan T. Kurmasheva

Supplemental material is available online at http://pharmrev.aspetjournals.org.

About the cover: GPCR pockets for binding bitopic ligands that target specific ion binding sites. See the article by Zarzycka et al. (dx.doi.org/10.1124/pr.119.017863)