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REVIEWS

Central Nicotinic Receptors: Structure, Function, Ligands, and Therapeutic Potential

M. N. Romanelli, P. Gratteri, L. Guandalini, E. Martini, C. Bonaccini, F. Gualtieri*

ESSAYS

Pharmaceutical Strategy and Innovation: An Academics Perspective

I. R. Baxendale, J. J. Hayward, S. V. Ley, G. K. Tranmer*

HIGHLIGHTS

microRNA: an Emerging Therapeutic

*V. Scaria, M. Hariharan, S. K. Brahmachari, S. Maiti, B. Pillai**

CONCEPTS

Model Systems for Activation of Nucleic Acid Encoded Prodrugs

*M. F. Jacobsen, E. Cló, A. Mokhir, K. V. Gothelf**

ORIGINAL CONTRIBUTIONS

Homology Modeling of the Serotonin Transporter: Insights into the Primary Escitalopram-binding Site

*A. M. Jørgensen, L. Tagmose, A. M. M. Jørgensen, S. Topiol, M. Sabio, K. Gundertofte, K. P. Bøgesø, G. H. Peters**

Molecular Dynamics Simulations of Na⁺/Cl⁻-Dependent Neurotransmitter Transporters in a Membrane-Aqueous System

*A. M. Jørgensen, L. Tagmose, A. M. M. Jørgensen, K. P. Bøgesø, G. H. Peters**

Structure-Based Calculation of Binding Affinities of α_{2A} -Adrenoceptor Agonists

B. Balogh, C. Hetényi, M. G. Keserű, P. Mátyus**

6-Substituted Pyrrolo[3,4-c]pyrazoles: An Improved Class of CDK2 Inhibitors

M. G. Brasca, C. Albanese, R. Amici, D. Ballinari, L. Corti, V. Croci, D. Fancelli, F. Fiorentini, M. Nesi, P. Orsini, F. Orzi, W. Pastori, E. Perrone, E. Pesenti, P. Pevarello, F. Riccardi-Sirtori, F. Roletto, P. Roussel, M. Varasi, A. Vulpetti, C. Mercurio*

From Dioxin to Drug Lead—The Development of 2,3,7,8-Tetrachlorophenothiazine

*K. W. Fried, C. M. Schneider, K.-W. Schramm, A. Datta, N. Chahbane, C. Corsten, D. R. Powell, D. Lenoir, A. Kettrup, P. Terranova, G. I. Georg, K. K. Rozman**

From Modeling to Medicinal Chemistry: Automatic Generation of Two-Dimensional Complex Diagrams

*K. Stierand, M. Rarey**

Nonphosphate Inhibitors of IspE Protein, a Kinase in the Non-Mevalonate Pathway for Isoprenoid Biosynthesis and a Potential Target for Antimalarial Therapy

A. K. H. Hirsch, S. Lauw, P. Gersbach, W. B. Schweizer, F. Rohdich, W. Eisenreich, A. Bacher, F. Diederich**

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