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ESSAYS

Convergent Evolution of Medicines

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MINIREVIEWS

Molecular Approaches towards the Inhibition of the Signal Transducer and Activator of Transcription 3 (Stat3) Protein

S. Fletcher, J. Turkson,* P. T. Gunning*

SELECTED ORIGINAL CONTRIBUTIONS

Conjugation of Spermine Facilitates Cellular Uptake and Enhances Antitumor and Antibiotic Properties of Highly Lipophilic Porphyrins

F. Hahn, K. Schmitz, T. S. Balaban, S. Bräse,* U. Schepers*

Conjugation of ATIII-Binding Pentasaccharides to Extend the Half-Life of Proteins: Long-Acting Insulin

M. de Kort,* B. Gianotten, J. A. J. Wisse, E. S. Bos, M. H. M. Eppink, E. Mattaar, G. M. T. Vogel, W. H. A. Dokter, M. Honing, S. Vonsovic, M.-J. Smit, J. C. H. M. Wijkmans, C. A. A. van Boeckel

Multi-Receptor Binding Profile of Clozapine and Olanzapine: A Structural Study Based on the New β_2 Adrenergic Receptor Template

J. Selent, L. López, F. Sanz, M. Pastor*

Computational Design and Discovery of Conformationally Flexible Inhibitors of Acetohydroxyacid Synthase to Overcome Drug Resistance Associated with the W586L Mutation

F.-Q. Ji, C.-W. Niu, C.-N. Chen, Q. Chen, G.-F. Yang,* Z. Xi,* C.-G. Zhan*

Sequence Variants in Kynurenine Aminotransferase II (KAT II) Orthologs Determine Different Potencies of the Inhibitor S-ESBA

R. Pellicciari,* F. Venturoni, D. Bellocchi, A. Carotti, M. Marinozzi, A. Macchiarulo, L. Amori, R. Schwarcz

Discovery of Aryltrifluoroborates as Potent Sodium/Iodide Symporter (NIS) Inhibitors

N. Lecat-Guillet, Y. Ambroise*

Enhanced Iodide Sequestration by 3-Biphenyl-5,6-dihydroimidazo[2,1-b]-thiazole in Sodium/Iodide Symporter (NIS)-Expressing Cells

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Development of Benzophenone-Based Farnesyltransferase Inhibitors as Novel Antimalarials

K. Kohring, J. Wiesner, M. Altenkämper, J. Sakowski, K. Silber, A. Hillebrecht, P. Haebel, H.-M. Dahse, R. Ortman, H. Jomaa, G. Klebe, M. Schlitzer*

Studies Addressing the Importance of Charge in the Binding of Fosmidomycin-Like Molecules to Deoxyxylulosephosphate Reductoisomerase

J. Perruchon, R. Ortman, M. Altenkämper, K. Silber, J. Wiesner, H. Jomaa, G. Klebe, M. Schlitzer*

Osmium Carbonyl Clusters: A New Class of Apoptosis Inducing Agents

K. V. Kong, W. K. Leong,* S. P. Ng, T. H. Nguyen, L. H. K. Lim

Structure-Based Discovery and Experimental Verification of Novel AI-2 Quorum Sensing Inhibitors against *Vibrio harveyi*

M. Li, N. Ni, H.-T. Chou, C.-D. Lu, P. C. Tai, B. Wang*

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