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## MINIREVIEWS

Sequence-Based Identification of Specific Drug Target Regions in the Thymidylate Synthase Enzyme Family

S. Ferrari,\* V. Losasso, M. P. Costi\*

Ferrocene Conjugates of Chloroquine and other Antimalarials: the Development of Ferroquine, a New Antimalarial

D. Dive, C. Biot\*

## CONFERENCE REPORT

Medicinal Chemistry in Parasitology: New Avenues in Drug Discovery

A. Tait\*

## SELECTED ORIGINAL CONTRIBUTIONS

On the use of PIPSA to Guide Target-Selective Drug Design

S. Henrich,\* S. Richter, R. C. Wade\*

Atovaquone-Statine "Double-Drugs" with High Antiplasmodial Activity

S. Romeo,\* S. Parapini, M. Dell'Agli, N. Vaiana, P. Magrone, G. Galli, A. Sparatore, D. Taramelli, E. Bosisio

In vitro Effects of *Plasmodium falciparum* Dihydrofolate Reductase Inhibitors on Normal and Cancer Cell Proliferation

T. Rossi, A. Coppi, E. Bruni, M. Sgobba, G. Degliesposti, G. Rastelli\*

Lessons Learnt from Assembling Screening Libraries for Drug Discovery for Neglected Diseases

R. Brenk,\* A. Schipani, D. James, A. Krasowski, I. H. Gilbert, J. Frearson, P. G. Wyatt

Cell Specific Aptamer-Photosensitizer Conjugates as a Molecular Tool in Photodynamic Therapy

P. Mallikaratchy, Z. Tang, W. Tan\*

Indeno[1,2-*d*]pyrido[1,2-*a*]pyrimidines: A New Class of Receptor Tyrosine Kinase Inhibitors

M. Tsanakopoulou, T. Cottin, A. Büttner, V. Sarli, E. Malamidou-Xenikaki,\* S. Spyroudis,\* A. Giannis\*

The Calculation of Polar Surface Area from First Principles: An Application of Quantum Chemical Topology to Drug Design

I. Bytheway,\* M. G. Darley, P. L. A. Popelier\*

Reduction of Lipophilicity at the Lipophilic Domain of RXR Agonists Enables Production of Subtype Preference: RXR $\alpha$ -Preferential Agonist Possessing a Sulfonamide Moiety

K. Takamatsu, A. Takano, N. Yakushiji, K.-i. Morishita, N. Matsuura, M. Makishima, H. I. Ali, E. Akaho, A. Tai, K. Sasaki, H. Kakuta\*

A 3D QSAR Model of 17 $\beta$ -HSD1 Inhibitors Based on a Thieno[2,3-*d*]pyrimidin-4(3*H*)-one Core Applying Molecular Dynamics Simulations and Ligand-Protein Docking

S. Karkola, A. Lilienkampf, K. Wähälä\*

Carbonic Anhydrase Inhibitors: Binding of Indanesulfonamides to the Human Isoform II

K. D'Ambrosio, B. Masereel, A. Thiry, A. Scozzafava, C. T. Supuran,\* G. De Simone\*

Poly(amido amine)s as Gene Delivery Vectors: Effects of Quaternary Nicotinamide Moieties in the Side Chains

M. A. Mateos-Timoneda, M. C. Lok, W. E. Hennink, J. Feijen, J. F. J. Engbersen\*

Chemistry, Biology, and QSAR Studies of Substituted Biaryl Hydroxamates and Mercaptoacetamides as HDAC Inhibitors—Nanomolar-Potency Inhibitors of Pancreatic Cancer Cell Growth

A. P. Kozikowski,\* Y. Chen, A. M. Gaysin, D. N. Savoy, D. D. Billadeau, K. H. Kim

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