

1/2008

REVIEWS

Prodrug Strategies in Anticancer Chemotherapy

F. Kratz,* I. A. Müller, C. Ryppa, A. Warnecke

SELECTED ORIGINAL CONTRIBUTIONS

CMP-Pseudaminic Acid is a Natural Potent Inhibitor of PseB, the First Enzyme of the Pseudaminic Acid Pathway in *Campylobacter jejuni* and *Helicobacter pylori*

D. J. McNally,* I. C. Schoenhofen, R. S. Houliston, N. H. Khieu, D. M. Whitfield, S. M. Logan, H. C. Jarrell, J.-R. Brisson

Selective Human Adenosine A₃ Antagonists based on Pyrido[2,1-f]-purine-2,4-diones: Novel Features of hA₃ Antagonist Binding

E.-M. Priego, M.-J. Pérez-Pérez, J. K. von Frijtag Drabbe Kuenzel, H. de Vries, A. P. IJzerman, M.-J. Camarasa, S. Martín-Santamaría*

Probing Novel 1-Aza-9-oxafluorenes as Selective GSK-3 β Inhibitors

B. Voigt, M. Krug, C. Schächtele, F. Totzke, A. Hilgeroth*

Synthesis and Anticancer Activity of (R,S)-9-(2,3-Dihydro-1,4-Benzoxathiin-3-ylmethyl)-9H-Purines

M. Díaz-Gavilán, A. Conejo-García, O. Cruz-López, M. C. Núñez, D. Choquesillo-Lazarte, J. M. González-Pérez, F. Rodríguez-Serrano, J. A. Marchal, A. Aránega, M. A. Gallo, A. Espinosa, J. M. Campos*

A Novel Method of Cellular Labeling: Anchoring MR-Imaging Reporter Particles on the Outer Cell Surface

E. Gianolio, G. B. Giovenzana, A. Ciampa, S. Lanzardo, D. Imperio, S. Aime*

Thioflavin Derivatives as Markers for Amyloid- β Fibrils: Insights into Structural Features Important for High-Affinity Binding

R. Leuma Yona, S. Mazères, P. Faller,* E. Gras*

Fragmental Modeling of Human Glutamate Transporter EAAT1 and Analysis of its Binding Modes by Docking and Pharmacophore Mapping

A. Pedretti, L. De Luca, C. Sciarrillo, G. Vistoli*

Similarity Searching using Compound Class-Specific Combinations of Substructures Found in Randomly Generated Molecular Fragment Populations

J. Batista, J. Bajorath*

Metabolite Identification via LC-SPE-NMR-MS of the In vitro Biooxidation Products of a Lead mGlu5 Allosteric Antagonist and Impact on the Improvement of Metabolic Stability in the Series

S. M. Ceccarelli,* G. Schlotterbeck,* P. Boissin, M. Binder, B. Buettelmann, S. Hanlon, G. Jaeschke, S. Kolczewski, E. Kupfer, J.-U. Peters, R. H. P. Porter, E. P. Prinssen, M. Rueher, I. Ruf, W. Spooren, A. Stämpfli, E. Vieira

Sila-Haloperidol, a Silicon Analogue of the Dopamine (D₂) Receptor Antagonist Haloperidol: Synthesis, Pharmacological Properties, and Metabolic Fate

R. Tacke,* F. Popp, B. Müller, B. Theis, C. Burschka, A. Hamacher, M. U. Kassack, D. Schepmann, B. Wünsch, U. Jurva, E. Wellner

Synthesis and Characterization of Cytidine Derivatives that Inhibit the Kinase IspE of the Non-Mevalonate Pathway for Isoprenoid Biosynthesis

C. M. Crane, A. K. H. Hirsch, M. S. Alphey, T. Sgraja, S. Lauw, V. Illarionova, F. Rohdich,* W. Eisenreich, W. N. Hunter,* A. Bacher, F. Diederich*

Design, Synthesis, and Biological Evaluation of Caprolactam-Modified Bengamide Analogues

G. Liu, Y.-M. Ma, W.-Y. Tai, C.-M. Xie, Y.-L. Li, J. Li,* F.-J. Nan*

Curcumin-Derived Pyrazoles and Isoxazoles: Swiss Army Knives or Blunt Tools for Alzheimer's Disease?

R. Narlawar, M. Pickhardt, S. Leuchtenberger, K. Baumann, S. Krause, T. Dyrks, S. Weggen, E. Mandelkow, B. Schmidt*

Hyrtiosal, from the Marine Sponge *Hyrtios erectus*, Inhibits HIV-1 Integrase Binding to Viral DNA by a New Inhibitor Binding Site

L. Du, L. Shen, Z. Yu, J. Chen, Y. Guo,* Y. Tang,* X. Shen,* H. Jiang

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