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MINIREVIEWS

Efforts toward the Total Synthesis of Tubulysins: New Hopes for a More Effective Targeted Drug Delivery to Tumors

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ORIGINAL CONTRIBUTIONS

Structural Basis for the Exceptional in vivo Efficacy of Bisphosphonate Drugs

Jean-Michel Rondeau,* Francis Bitsch, Emmanuelle Bourcier, Martin Geiser, Rene Hemmig, Markus Kroemer, Sylvie Lehmann, Paul Ramage, Sebastien Rieffel, André Strauss, Jonathan R. Green, Wolfgang Jahnke*

Scaffold-Hopping Potential of Ligand-Based Similarity Concepts

Steffen Renner, Gisbert Schneider*

A Potent HIV Protease Inhibitor Identified in an Epimeric Mixture by High-Resolution Protein Crystallography

Silvano Geremia,* Nicola Demitri, Jochen Wuerges, Fabio Benedetti, Federico Berti, Gianluca Tell, Lucio Randaccio

Aroyl-Pyrrolyl Hydroxyamides: Influence of Pyrrole C4-Phenylacetyl Substitution on Histone Deacetylase Inhibition

Antonello Mai,* Silvio Massa, Sergio Valente, Silvia Simeoni, Rino Ragno, Patrizia Bottoni, Roberto Scatena, Gerald Brosch*

MS Binding Assays: Kinetic, Saturation, and Competitive Experiments Based on Quantitation of Bound Marker as Exemplified by the GABA Transporter mGAT1

Christine Zepperitz, Georg C. Höfner, Klaus T. Wanner*

Highly Potent and Specific GSK-3 β Inhibitors That Block Tau Phosphorylation and Decrease α -Synuclein Protein Expression in a Cellular Model of Parkinson's Disease

Alan P. Kozikowski,* Irina N. Gaisina, Pavel A. Petukhov, Jayalakshmi Sridhar, LaShaunda T. King, Sylvie Y. Blond, Tetyana Duka, Milan Rusnak, Anita Sidhu

Substituted Isoxazoles as Potent Inhibitors of p38 MAP Kinase

Stefan A. Laufer,* Simona Margutti, Martina D. Fritz

1-(1-Phenethylpiperidin-4-yl)-1-phenylethanols as Potent and Highly Selective 5-HT_{2A} Antagonists

Timo Heinrich,* Henning Böttcher, Helmut Prücher, Rudolf Gottschlich, Karl-August Ackermann, Christoph van Amsterdam

Synthesis of Stable Analogues of Geranylgeranyl Diphosphate Possessing a (Z,E,E)-Geranylgeranyl Side Chain, Docking Analysis, and Biological Assays for Prenyl Protein Transferase Inhibition

Filippo Minutolo, Simone Bertini, Laura Betti, Romano Danesi, Gianbattista Gervasi, Gino Giannaccini, Adriano Martinelli, Anna Maria Papini, Elisa Peroni, Giorgio Placanica, Simona Rapposelli, Tiziano Tuccinardi, Marco Macchia*

Discovery and Structure–Activity Relationship Studies of a Unique Class of HIV-1 Integrase Inhibitors

Raveendra Dayam, Tino Sanchez, Nouri Neamati*

In Vivo Antitumor Activity of Clitocine, an Exocyclic Amino Nucleoside Isolated from *Lepista inversa*

Hélène Fortin, Sophie Tomasi,* Jean-Guy Delcros, Jean-Yves Bansard, Joël Boustie

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