

Global Discovery Chemistry: Selected publications

2004

Liu L, Wong TP, Pozza MF, et al. [Role of NMDA Receptor Subtypes in Governing the Direction of Hippocampal Synaptic Plasticity](#). *Science* **304**: 1021-1024 (2004).

Thoma G, Nuninger F, Schaefer M, et al. [Orally Bioavailable Competitive CCR5 Antagonists](#). *Journal of Medicinal Chemistry*; **47**(8):1939-55 (2004).

Willis MC, Powell LHW, Claverie CK, et al. [Enantioselective Suzuki reactions: catalytic asymmetric synthesis of compounds containing quaternary carbon centers](#). *Angew Chem Int Ed Engl*; **43**(10):1249-1251 (2004).

Nussbaumer P, Billich A. [Steroid sulfatase inhibitors](#). *Med Res Rev* **24**(4): 529-576 (2004).

Ettmayer P, Amidon G, Clement B, et al. [Lessons learned from marketed and investigational prodrugs](#). *J Med Chem*; **47**(10): 2393-2404 (2004).

Manley PW, Guido B, Brügger J, et al. Advances in the Structural Biology, Design, and Clinical Development of VEGF-R Kinase Inhibitors for the Treatment of Angiogenesis. *Biochim. Biophys. Acta*; **1697**: 17-27 (2004).

2003

Altmann KH. [Epothilone B and its analogs - a new family of anticancer agents](#). *Mini-Reviews in Medicinal Chemistry* **3** (2):149-58 (2003).

Blommers MJJ, Floersheimer A, Jahnke W. Strategies for drug discovery using NMR. *Methods and Principles in Medicinal Chemistry*; **16** (BioNMR in Drug Research):439-57 (2003).

Nam K, Marshall P, Wolf R, Cornell W. [Simulation of the Different Biological Activities of Diethylstilbestrol \(DES\) on Estrogen Receptor Alpha and Estrogen-Related Receptor Gamma](#). *Bipolymers* **68**(1): 130-138 (2003).

Remiszewski, SW, Versace, R, Perez, LB, et al. [N-Hydroxy-3-phenyl-2-propenamides as Novel Inhibitors of Human Histone Deacetylase with in Vivo Antitumor Activity: Discovery of \(2E\)-N-Hydroxy-3-\[4-\[\(2-hydroxyethyl\)\]2-\(1H-indol-3-yl\)ethyl\]amino\]methyl\]phenyl\]-2-propenamide \(NVP-LAQ824\)](#). *Journal of Medicinal Chemistry*; **46**(21), 4609-4624 (2003).

Renaud J, Bischoff SF, Buhl T, et al. [Estrogen Receptor Modulators: Identification and structure-activity relationships of potent ER \$\alpha\$ -selective tetrahydroisoquinoline ligands](#). *J. Med. Chem*; **46**:2945-2957 (2003).

Sedrani R, Kallen J, Martin Cabrejas LM, et al. [Sanglifehrin-Cyclophilin Interaction: Degradation Work, Synthetic Macrocyclic Analogues, X-ray Crystal Structure and Binding Data](#). *J Am Chem Soc*; **125**(13):3849-3859 (2003).

Vanderwal CD, Vosburg DA, Weiler S, et al. [An Enantioselective Synthesis of FR182877 Provides a Chemical Rationalization of Its Structure and Affords Multigram Quantities of Its Direct Precursor.](#) *Journal of the American Chemical Society*; **125**(18):5393-5407 (2003).

Vangrevelinghe E, Zimmermann K, Schoepfer J, et al. [Discovery of a Potent and Selective Protein Kinase CK2 Inhibitor by High-Throughput Docking.](#) *Journal of Medicinal Chemistry*; **46**(13):2656-62 (2003).

Vilhauer E, Brinkman J, Naderi GB, et al. [1-\[\[3-Hydroxy-1-adamantyl\]amino\]acetyl\]-2-cyano-\(S\)-pyrrolidine: A Potent, Selective, and Orally Bioavailable Dipeptidyl Peptidase IV Inhibitor with Antihyperglycemic Properties.](#) *J Med Chem* **46**(13): 2774-2789 (2003).

Furet P, Bold G, Hofmann F, et al. [Identification of a New Chemical Class of Potent Angiogenesis Inhibitors Based on Conformational Considerations and Database Searching.](#) *Bioorg. Med. Chem. Lett*; **13**: 2967-2971 (2003).

2002

Altmann E, Renaud J, Green J, et al. [Arylaminoethyl Amides as Novel Non-Covalent Cathepsin K Inhibitors.](#) *J Med Chem.* **45**(12): 2352-2354 (2002).

Altmann KH, Bold G, Caravatti G, et al. [The total synthesis and biological assessment of trans-epothilone A.](#) *Helvetica Chimica Acta*; **85** (11):4086-110 (2002).

Capdeville R, Buchdunger E, Zimmermann J, et al. [Glivec \(STI571, imatinib\), a rationally developed, targeted anticancer drug.](#) *Nature Reviews Drug Discovery*; **1**(7): 493-502 (2002).

Reva B, Finkelstein A, Topiol S. [Threading with Chemostructural Restrictions Method for Predicting Fold and Functionally Significant Residues: Application to Dipeptidylpeptidase IV \(DPP-IV\).](#) *Proteins: Structure, Function, and Genetics* **47**(2): 180-193 (2002).

Furet P, Meyer T, Strauss A, et al. [Structure-based design and protein X-ray analysis of a protein kinase inhibitor.](#) *Bioorg. Med. Chem. Lett*; **12**: 221-224 (2002).

Schreiner E, Kern M, Steck A. [A convenient protocol for selective cleavage of 2-hydroxyacid amines: application to semisynthesis of the cyclic heptapeptide Aza HUN-7293.](#) *J Org Chem*; **67**(24): 8299-8304 (2002).

2001

Greenspan PD, Clark KL, Tommasi, et al. [Identification of Dipeptidyl Nitriles as Potent and Selective Inhibitors of Cathepsin B through Structure-Based Drug Design.](#) *J Med Chem*; **44**(26): 4524-4534 (2001).

Ksander GM, deJesus R, Yuan A, et al. [Diaminoindanes as Microsomal Triglyceride Transfer Protein Inhibitors.](#) *J Med Chem* **44**(26), 4677-4687 (2001).