CEM Microwave Life Science & Synthesis Reference Paper List

<u>SYN001</u> Microwave-assisted high speed chemistry: a new technique in drug discovery. Mats Larhed and Anders Hallberg. Department of Organic Pharmaceutical Chemistry.Uppsala Biomedical Center, Uppsala University, Uppsala, Sweden. DDT Volume 6, Number 8, April 2001.

<u>SYN002</u> Drug Discovery at The Speed Of Light. Michael J. Collins. Presented at Drug Discovery Technology, Boston, Masschuesetts, USA, 14 April 2001.

<u>SYN003</u> Microwave-assisted Synthesis of 5-Deaza-5,8-dihydropterins Mark C. Bagley,* Nivedita Singh, Department of Chemistry, Cardiff University, PO Box 912, Cardiff, CF10 3TB, UK, Fax +44(29)20874030; E-mail: bagleymc@cf.ac.uk, Synlett 2002, No. 10, 1718–1720

<u>SYN004</u> A Study of the Ionic Liquid Mediated Microwave Heating of Organic SolventsNicholas E. Leadbeater* and Hanna M. Torenius, Department of Chemistry, King's College London, Strand, London WC2R 2LS UK, nicholas.leadbeater@kcl.ac.uk, J. Org. Chem. 2002, 67, 3145-3148

<u>SYN005</u> Ligand-Free Palladium Catalysis of the Suzuki Reaction in Water Using Microwave Heating, Nicholas E. Leadbeater* and Maria Marco, Department of Chemistry, King's College London, Strand, London WC2R 2LS, U.K., nicholas.leadbeater@kcl.ac.uk, ORGANIC LETTERS, 2002, Vol. 4, No. 17, 2973-2976

<u>SYN006</u> A new one-step synthesis of pyridines under microwave-assisted conditions, Mark C. Bagley,* Rebecca Lunn and Xin Xiong, Department of Chemistry, Cardiff University, PO Box 912, Cardiff CF 10 3TB, UK, Tetrahedron Letters 43 (2002) 8331–8334

<u>SYN007</u> Rapid and Amenable Suzuki Coupling Reaction in Water Using Microwave and Conventional Heating, Nicholas E. Leadbeater* and Maria Marco, Department of Chemistry, King's College London, Strand, London WC2R 2LS, United Kingdom

nicholas.leadbeater@kcl.ac.uk., J. Org. Chem. 2003, 68, 888-892

<u>SYN008</u> Angiogenesis Inhibitor Epoxyquinol A:Total Synthesis and Inhibition of Transcription Factor NF-KB, Chaomin Li,† Sujata Bardhan,† Emily A. Pace,‡ Mei-Chih Liang,‡, Thomas D. Gilmore,‡ and John A. Porco, Jr.*,†, Department of Chemistry and Center for Streamlined Synthesis and Department of Biology, Boston UniVersity, Boston, Massachusetts 02215, porco@chem.bu.edu., ORGANIC LETTERS, 2002, Vol. 4, No. 19, 3267-3270 <u>SYN009</u> Synthesis of C-Carbamoyl-1,2,3-triazoles by Microwave-Induced 1,3-Dipolar Cycloaddition of Organic Azides to

Acetylenic Amides, Alan R. Katritzky* and Sandeep K. Singh, Center for Heterocyclic Compounds, Department of Chemistry, University of Florida, Gainesville, Florida 32611-7200, katritzky@chem.ufl.edu, J. Org. Chem. 2002, 67, 9077-9079

<u>SYN010</u> Microwave enabled external carboxymethyl substituents in the ring-closing metathesis, Cangming Yang, William V. Murray and Lawrence J. Wilson*, Johnson & Johnson Pharmaceutical Research & Development LLC, 920 Route 202, PO Box 300, Raritan, NJ 08869, USA, Tetrahedron Letters 44 (2003) 1783–1786

<u>SYN011</u> High-Throughput Catch-and-Release Synthesis of Oxazoline Hydroxamates. Structure-Activity Relationships in Novel Inhibitors of Escherichia coliLpxC: In Vitro Enzyme Inhibition and Antibacterial Properties, Michael C. Pirrung,*,† L. Nathan Tumey,† Amanda L. McClerren,‡ and Christian R. H. Raetz‡, Contribution from the Department of Chemistry, LeVine Science Research Center, Box 90317, Duke UniVersity, Durham, North Carolina 27708-0317, and Department of Biochemistry, Box 3711, Duke UniVersity Medical Center, Durham, North Carolina 27710, E-mail: michael.pirrung@duke.edu, J. AM. CHEM. SOC. 2003, 125, 1575-1586

<u>SYN012</u> Designer microwave ovens that can heat reactants in record time are heralding a quiet revolution in chemical synthesis. David Adam, news and features writer for Nature. Nature Vol 421, 6 February 2003, www.nature.com/nature