

Coolmate References

- 1 Yoshimura, Y., Shimizu, H., Hinou, H., and Nishimura, S.-I. (2005) A novel glycosylation concept; microwave-assisted acetal-exchange type glycosylations from methyl glycosides as donors, *Tetrahedron Lett.* *46*, 4701-4705.
- 2 Rodríguez, B., and Bolm, C. (2006) Thermal Effects in the Organocatalytic Asymmetric Mannich Reaction, *J. Org. Chem.* *71*, 2888-2891.
- 3 Singh, B. K., Appukkuttan, P., Claerhout, S., Parmar, V. S., and Van der Eycken, E. (2006) Copper(II)-Mediated Cross-Coupling of Arylboronic Acids and 2(1H)-Pyrazinones Facilitated by Microwave Irradiation with Simultaneous Cooling, *Org. Lett.* *8*, 1863-1866.
- 4 Bagley, M. C., Lubinu, M. C., and Mason, C. (2007) Regioselective Microwave-Assisted Synthesis of Substituted Pyrazoles from Ethynyl Ketones, *Synlett*, 704-708.
- 5 Hosseini, M., Stiasni, N., Barbieri, V., and Kappe, C. O. (2007) Microwave-Assisted Asymmetric Organocatalysis. A Probe for Nonthermal Microwave Effects and the Concept of Simultaneous Cooling, *J. Org. Chem.* *72*, 1417-1424.
- 6 Leadbeater, N. E., Stencel, L. M., and Wood, E. C. (2007) Probing the effects of microwave irradiation on enzyme-catalysed organic transformations: the case of lipase-catalysed transesterification reactions, *Org. Biomol. Chem.* *5*, 1052-1055.
- 7 Merritt, E. A., and Bagley, M. C. (2007) Holzapfel-Meyers-Nicolaou Modification of the Hantzsch Thiazole Synthesis, *Synthesis*, 3535-3541.
- 8 Singh, B. K., Mehta, V. P., Parmar, V. S., and Van der Eycken, E. (2007) Palladium-catalyzed copper(i)-mediated cross-coupling of arylboronic acids and 2(1H)-pyrazinones facilitated by microwave irradiation with simultaneous cooling, *Org. Biomol. Chem.* *5*, 2962-2965.
- 9 Ferlin, N., Duchet, L., Kovensky, J., and Grand, E. (2008) Microwave-assisted synthesis of long-chain alkyl glucopyranosides, *Carbohydr. Res.* *343*, 2819-2821.
- 10 Shimizu, H., Yoshimura, Y., Hinou, H., and Nishimura, S.-I. (2008) A new glycosylation method part 3: study of microwave effects at low temperatures to control reaction pathways and reduce byproducts, *Tetrahedron* *64*, 10091-10096.
- 11 Singh, B. K., Parmar, V. S., and Van der Eycken, E. (2008) Rapid Palladium-Catalyzed C3-Arylation of 2(1H)-Pyrazinones: Effect of Simultaneous Cooling on Microwave-Assisted Reactions on Solid Support, *Synlett*, 3021-3025.
- 12 Young, D. D., Nichols, J., Kelly, R. M., and Deiters, A. (2008) Microwave Activation of Enzymatic Catalysis, *J. Am. Chem. Soc.* *130*, 10048-10049.
- 13 Al-Mousawi, S., and El-Asary, M. (2009) Azolylacetones as Precursors to Indoles and Naphthofurans Facilitated by Microwave Irradiation with Simultaneous Cooling, *Molecules* *14*, 2976-2984.

- 14 Bereman, M. S., Young, D. D., Deiters, A., and Muddiman, D. C. (2009) Development of a Robust and High Throughput Method for Profiling N-Linked Glycans Derived from Plasma Glycoproteins by NanoLC-FTICR Mass Spectrometry, *J. Proteome Res.* **8**, 3764-3770.
- 15 Edwards, W. F., Young, D. D., and Deiters, A. (2009) The effect of microwave irradiation on DNA hybridization, *Org. Biomol. Chem.* **7**, 2506-2508.
- 16 Guryanov, I., Montellano Lopez, A., Carraro, M., Da Ros, T., Scorrano, G., Maggini, M., Prato, M., and Bonchio, M. (2009) Metal-free, retro-cycloaddition of fulleropyrrolidines in ionic liquids under microwave irradiation, *Chem. Commun.*, 3940-3942.
- 17 Landge, S., and Török, B. (2009) Highly Enantioselective Organocatalytic Addition of Ethyl Trifluoropyruvate to Ketones with Subzero Temperature Microwave Activation, *Catal. Lett.* **131**, 432-439.
- 18 Radi, M., Rao, J. R., Jha, A. K., and Chu, C. K. (2009) A Convergent Approach for the Synthesis of Ara-Neplanocin a Analogues Under Subzero Microwave Assisted Conditions, *Nucleosides, Nucleotides Nucleic Acids* **28**, 504-518.
- 19 Wang, A., Wang, M., Wang, Q., Chen, F., Zhang, F., Li, H., Zeng, Z., and Xie, T. (2011) Stable and efficient immobilization technique of aldolase under consecutive microwave irradiation at low temperature, *Bioresour. Technol.* **102**, 469-474.
- 20 Lopez-Andarias, J., Guerra, J., Castaneda, G., Merino, S., Cena, V., and Sanchez-Verdu, P. (2012) Development of Microwave-Assisted Reactions for PAMAM Dendrimer Synthesis, *Eur. J. Org. Chem.*, 2331-2337.
- 21 Nicho, M. E., Garcia-Escobar, C. H., Hernandez-Martinez, D., Linzaga-Elizalde, I., and Cadenas-Pliego, G. Microwave-assisted synthesis of poly(3-hexylthiophene) via direct oxidation with FeCl₃, *Mater. Sci. Eng., B*, Ahead of Print.
- 22 Kamerke, C., Pattky, M., Huhn, C., and Elling, L. Synthesis of UDP-activated Oligosaccharides with Commercial β -galactosidase from *Bacillus circulans* under Microwave Irradiation, *J. Mol. Catal. B: Enzym.*