

### List of Publications (Harry J. Martin)

- 27 Martin, Harry J.; Magauer, Thomas; Mulzer, Johann. **In Pursuit of an Elusive Target: Our Kendomycin Story.** *Strategies and Tactics in Organic Synthesis, Elsevier* (2012), accepted.
- 26 Martin, Harry J. **Diastereoselective C-H insertions.** *Comprehensive Chirality, Elsevier* (2011/12), in print.
- 25 Martin, Harry J.; Magauer, Thomas; Mulzer, Johann. **In Pursuit of a Competitive Target: the Total Synthesis of the Antibiotic Kendomycin.** *Angewandte Chemie, International Edition* (2010), 49, 5614-5626.
- 24 Magauer, Thomas; Martin, Harry J.; Mulzer, Johann. **Ring-Closing Metathesis and Photo-Fries Reaction for the Construction of the Ansamycin Antibiotic Kendomycin: Development of a Protecting Group Free Oxidative Endgame.** *Chemistry* (2011), 16(2), 507-519.
- 23 Magauer, Thomas; Martin, Harry J.; Mulzer, Johann. **Total Synthesis of the Antibiotic Kendomycin by Macrocyclization using Photo-Fries Rearrangement and Ring-Closing Metathesis.** *Angewandte Chemie, International Edition* (2009), 48(33), 6032-6036.
- 22 Gaich, Tanja; Karig, Gunter; Martin, Harry J.; Mulzer, Johann. **New solutions to the C-12,13 stereo-problem of epothilones B and D; synthesis of a 12,13-diol-acetonide epothilone B analog.** *European Journal of Organic Chemistry* (2006), 15, 3372-3394.
- 21 Mulzer, Johann; Steffen, Ulrich; Martin, Harry J.; Zorn, Ludwig.; **Facially controlled C-methylation of oxolanyl and cyclopentyl acetate enolates: application to the total synthesis of (+)-nephromopsinic acid.** *European Journal of Organic Chemistry* (2005), 6, 1028-1043.
- 20 Mulzer, Johann; Sieg, Andreas; Bruecher, Christoph; Mueller, Dieter; Martin, Harry J. **Horner-Wadsworth-Emmons reactions as a facile entry to biogenetic key substructures.** *Synlett* (2005), 4, 685-692.
- 19 Mulzer, Johann; Kaselow, Ulrich; Graske, Klaus-Dieter; Kühne, Holger; Sieg, Anreas; Martin, Harry J. **Stereocontrolled synthesis of all eight stereoisomers of the putative anti-androgen cyoctol.** *Tetrahedron* (2004), 60, 9599-9614.
- 18 Mulzer, Johann ; Pichlmair, Stefan; Green, Martin P., Marques, Maria M. B.; Martin, Harry J. **Toward the synthesis of the carbacylic ansa antibiotic kendomycin.** *Proc. Natl. Acad. Sci.* (2004), 101, 11980-11985.

- 17 Green, Martin P.; Pichlmair, Stefan; Marques, Maria M. B.; Martin, Harry J.; Diwald, Oliver; Berger, Thomas; Mulzer, Johann. **Synthesis of Analogue Structures of the p-Quinone Methide Moiety of Kendomycin.** *Organic Letters* (2004), 6, 3131-3134.
- 16 List, Benjamin; Hoang, Linh; Martin Harry J. **New Mechanistic Studies on the Proline-Catalyzed Aldol Reaction.** *Proc. Natl. Acad. Sci.* (2004), 101, 5839-5842.
- 15 Mulzer, Johann; Martin, Harry J. **Lessons learned from macrolide synthesis.** *Chemical record* (New York, N.Y.) (2004), 3(5), 258-270.
- 14 Pichlmair, Stefan; Marques, Maria M. B.; Green, Martin P.; Martin, Harry J.; Mulzer, Johann. **A Novel Approach toward the Synthesis of Kendomycin: Selective Synthesis of a C-Aryl Glycoside as a Single Atropisomer.** *Organic Letters* (2003), 5(24), 4657-4659.
- 13 Pojarliev, Peter; Biller, William T.; Martin, Harry J.; List, Benjamin. **Highly enantioselective synthesis of 1,2-amino alcohol derivatives via proline-catalyzed Mannich reaction.** *Synlett* (2003), 12, 1903-1905.
- 12 Martin, Harry J.; List, Benjamin. **Mining sequence space for asymmetric aminocatalysis. N-Terminal prolylpeptides efficiently catalyze enantioselective aldol and Michael reactions.** *Synlett* (2003), 12, 1901-1902.
- 11 Bahmanyar, S.; Houk, K. N.; Martin, Harry J.; List, Benjamin. **Quantum Mechanical Predictions of the Stereoselectivities of Proline-Catalyzed Asymmetric Intermolecular Aldol Reactions.** *Journal of the American Chemical Society* (2003), 125(9), 2475-2479.
- 10 Marques, Maria M. B.; Pichlmair, Stefan; Martin, Harry J.; Mulzer, Johann. **Stereocontrolled synthesis of C-arylglycosides applied to the south west fragment of the antibiotic kendomycin.** *Synthesis* (2002), 18, 2766-2770.
- 09 List, Benjamin; Pojarliev, Peter; Biller, William T.; Martin, Harry J.. **The Proline-Catalyzed Direct Asymmetric Three-Component Mannich Reaction: Scope, Optimization, and Application to the Highly Enantioselective Synthesis of 1,2-Amino Alcohols.** *Journal of the American Chemical Society* (2002), 124(5), 827-833.
- 08 Martin, Harry J. **Chiral Intermediates, edited by Cynthia A. Challener.** *Angewandte Chemie, International Edition* (2002), 41(9), 1623. (Buchbesprechung)
- 07 Martin, Harry J.; Drescher, Martina; Kahlig, Hanspeter; Schneider, Sabine; Mulzer, Johann. **Synthesis of the C1-C13 fragment of kendomycin: atropisomerism around a C-aryl glycosidic bond.** *Angewandte Chemie, International Edition* (2001), 40(17), 3186-3188.

- 06 List, Benjamin; Pojarliev, Peter; Martin, Harry J. **Efficient proline-catalyzed Michael additions of unmodified ketones to nitro olefins.** *Organic Letters* (2001), 3(16), 2423-2425.
- 05 Martin, Harry J.; Pojarliev, Peter; Kahlig, Hanspeter; Mulzer, Johann. **The 12,13-diol cyclization approach for a truly stereocontrolled total synthesis of epothilone B and the synthesis of a conformationally restrained analog.** *Chemistry-A European Journal* (2001), 7(10), 2261-2271.
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- 03 Mulzer, Johann and Martin Harry J. **Process for the production of epothilone B and derivatives as well as intermediate products for this process,** *PCT Int. Appl.* 2001, (Schering Aktiengesellschaft, Germany).: WO. p. 50 pp.
- 02 Mulzer, Johann; Martin, Harry J.; Berger, Markus. **Progress in the synthesis of chiral heterocyclic natural products: epothilone B and tartrolon B.** *Journal of Heterocyclic Chemistry* (1999), 36(6), 1421-1436.
- 01 Mulzer, Johann; Martin, Harry J.; List, Benjamin. **One-pot three component synthesis of alpha,beta unsaturated ketones.** *Tetrahedron Letters* (1996), 37(51), 9177-9178.