

Publication List

Original Papers

- 1) Total Synthesis of (+)- and (-)-Tryptoquivaline G by Biomimetic Double Cyclization. Masako Nakagawa, Mikio Taniguchi, Mikiko Sodeoka, Manabu Ito, Keiichi Yamaguchi, and Tohru Hino. *J. Am. Chem. Soc.*, **105**, 3709-3710 (1983).
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- 3) Synthesis of the Imidazo[1,2-*a*]indole-spirolactone Ring System by Oxidative Double Cyclization. A Synthetic Approach to Tryptoquivalines. Masako Nakagawa, Mikiko Sodeoka, Keiichi Yamaguchi, and Tohru Hino. *Chem. Pharm. Bull.*, **32**, 1373-1384 (1984).
- 4) Total Synthesis of (+)- and (-)-Tryptoquivalin G and L by Biomimetic Double Cyclization. Masako Nakagawa, Mikio Taniguchi, Mikiko Sodeoka, Manabu Ito, Keiichi Yamaguchi, and Tohru Hino. *Heterocycles*, **21**, 406-406 (1984).
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- 6) An Efficient Synthesis of Isocarbacyclin Starting from Furfural. Toshiaki Mase, Mikiko Sodeoka, and Masakatsu Shibasaki. *Tetrahedron Lett.*, **25**, 5087-5090 (1984).
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- 8) New Function of (Arene)tricarbonylchromium(0) Complexes as Hydrogenation Catalysts: Stereospecific Semihydrogenation of Alkynes and Highly Chemoselective Hydrogenation of α,β -unsaturated Carbonyl Compounds. Mikiko Sodeoka, and Masakatsu Shibasaki. *J. Org. Chem.*, **50**, 1147-1149 (1985).
- 9) Stereospecific Construction of Exo-tetrasubstituted Olefins. The Efficient Synthesis of Cyano-carbacyclins. Masakatsu Shibasaki, and Mikiko Sodeoka. *Tetrahedron Lett.*, **26**, 3491-3494 (1985).
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- 11) Asymmetric Synthesis of (2*R*)-2-Hydroxy-2-(2-(*Z*)-octenyl)-1-cyclopentanone. Genji Iwasaki, Mami Sano, Mikiko Sodeoka, Kiyoshi Yoshida, and Masakatsu Shibasaki. *J. Org. Chem.*, **53**, 4864-4867 (1988).
- 12) Highly Efficient Synthesis of Carbacyclin Analogue. Stereospecific Synthesis of Aryl-Substituted Exocyclic Olefin. Mikiko Sodeoka, Shoji Satoh, and Masakatsu Shibasaki. *J. Am. Chem. Soc.*, **110**, 4823-4824 (1988).
- 13) Highly Stereoselective Synthesis of Exocyclic Tetrasubstituted Enol Ethers and Olefins. A Synthesis of Nileprost. Atsuo Takahashi, Yoshie Kirio, Mikiko Sodeoka, Hiroaki Sasai, and Masakatsu Shibasaki. *J. Am. Chem. Soc.*, **111**, 643-647 (1989).
- 14) Efficient Synthesis of Isocarbacyclins. Mikiko Sodeoka, Yuji Ogawa, Toshiaki Mase, and Masakatsu Shibasaki. *Chem. Pharm. Bull.*, **37**, 586-598 (1989).
- 15) Synthetic Studies of Azadirachtin. Synthesis of the Cyclic Acetal Intermediate in Naturally Occurring Form. Yuji Nishikimi, Takamasa Iimori, Mikiko Sodeoka, and Masakatsu Shibasaki. *J. Org. Chem.*, **54**, 3354-3359 (1989).
- 16) Catalytic Asymmetric C-C Bond Formation: Asymmetric Synthesis of *cis*-Decalin Derivatives by Palladium-Catalyzed Cyclization of Prochiral Alkenyl Iodides. Yoshihiro Sato, Mikiko Sodeoka, and Masakatsu Shibasaki. *J. Org. Chem.*, **54**, 4738-4739 (1989).

- 17) A New Method for the Stereocontrolled Synthesis of Silyl Dienol Ethers Using (Naphthalene)chromium Tricarbonyl Catalyzed Isomerization. Mikiko Sodeoka, Hiroyoshi Yamada, and Masakatsu Shibasaki. *J. Am. Chem. Soc.*, **112**, 4906-4911 (1990).
- 18) On the Role of Silver Salts in Asymmetric Heck-type Reaction. A Greatly Improved Catalytic Asymmetric Synthesis of *cis*-Decalin Derivatives. Yoshihiro Sato, Mikiko Sodeoka, and Masakatsu Shibasaki. *Chem. Lett.*, 1953-1954 (1990).
- 19) Stereocontrolled Synthesis of Exocyclic Olefins Using Arene Tricarbonyl Chromium Complex Catalyzed Hydrogenation: 1. Efficient Synthesis of Carbacyclin and Its Analogs. Mikiko Sodeoka, Yuji Ogawa, Yoshie Kirio, and Masakatsu Shibasaki. *Chem. Pharm. Bull.*, 309-322 (1991).
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- 32) Manganese(III)-Based Oxidative Free-Radical Reaction of α -Allyl- β -Keto Ester with Molecular Oxygen. Takashi Ohshima, Mikiko Sodeoka, and Masakatsu Shibasaki. *Tetrahedron Lett.*, **34**, 8509-8512 (1993).
- 33) Palladium-Catalyzed Asymmetric Arylation of 4,7-Dihydro-1,3-dioxepin. Catalytic Asymmetric Synthesis of γ -Butyrolactone Derivatives. Yuichi Koga, Mikiko Sodeoka, and Masakatsu Shibasaki. *Tetrahedron Lett.*, **35**, 1227-1231 (1994).

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