

A. Original Papers

- 1) H. Takakura, K. Noguchi, M. Sasaki, and K. Tachibana: "Synthetic Studies on Ciguatoxin: A Highly Convergent Synthesis of the GHIJKLM Ring System via *B*-Alkyl Suzuki Coupling", *Angew. Chem. Int. Ed.*, **40**, 1090-1093 (2001).
- 2) T. Yamagaki and (H. Nakanishi): "Distinguishing of Linkage Isomers of Lactotetra Oligosaccharides by Using the Relative Ion Intensity Analysis of Post-source Decay Fragment Ions in Curved-field Reflectron Matrix-assisted Laser Desorption/ionization Time-of-flight Mass Spectrometry", *Anal. Sci.*, **17**, 83-87 (2001).
- 3) T. Yamagaki and (H. Nakanishi): "Ion Intensity Analysis of Post-source Decay Fragmentation in Curved-field Reflectron Matrix-assisted Laser Desorption/ionization Time-of-flight Mass Spectrometry of Carbohydrates: For Structural Characterization of Glycosylation in Proteome Analysis", *Proteomics*, **1**, 329-339 (2001).
- 4) H. Fuwa, M. Sasaki, and K. Tachibana: "Synthetic Studies on a Marine Polyether Toxin, Gambierol: Stereoselective Synthesis of the EFGH Ring System via *B*-Alkyl Suzuki Coupling", *Tetrahedron*, **57**, 3019-3033 (2001).
- 5) (R. Sakai), T. Koike, M. Sasaki, (K. Shimamoto), (C. Oiwa), A. Yano, (K. Suzuki), K. Tachibana, and (H. Kamiya): "Isolation, Structure Determination and Synthesis of Neodysiherbaine A, a New Excitatory Amino Acid from a Marine Sponge", *Org. Lett.*, **3**, 1479-1482 (2001).
- 6) M. Sasaki, T. Shida, and K. Tachibana: "Synthesis and Stereochemical Confirmation of the HI/JK Ring System of Pymnesins, Potent Hemolytic and Ichthyotoxic Glycoside Toxins Isolated from the Red Tide Alga", *Tetrahedron Lett.*, **42**, 5725-5728 (2001).
- 7) H. Fuwa, M. Sasaki, and K. Tachibana: "Synthetic Studies toward Gambierol. Convergent Synthesis of the Octacyclic Polyether Core", *Org. Lett.*, **3**, 3549-3552 (2001).

B. Reviews

- 1) 佐々木 誠、(井上将行): 「ポリエーテル系天然物の化学合成 新しい中員環エーテルの構築法とエーテル環連結法の開発」, *有機合成化学協会誌*, **59**, 193-205 (2001).
M. Sasaki and (M. Inoue): "Synthetic Studies on Polyether Natural Products: New Synthetic Methods for Construction of Medium-Sized Cyclic Ethers and Convergent Coupling of Polyether Fragments", *J. Syn. Org. Chem., Jpn.*, **59**, 193-205 (2001).

C. Proceedings

- 1) T. Yamagaki and K. Tachibana: "Structure Analyses and Ion Abundance in CID-MS/MS Spectra of Isomeric Oligosaccharides Using Quadrupole Time-of-flight Mass Spectrometry: Distinguishing Between Isomeric Oligosaccharides", *J. Instrum. Anal.*, **20** (Suppl), 59-60 (2001).