

Tatsuya Shirahata Publication list

23) Kaji, Eisuke; Yamamoto, Daisuke; Shirai Yuko; Ishige Koji; Yoshika Arai; Shirahata, Tatsuya; Makino, Kazuishi; Nishino, Takashi: **Thermodynamically Controlled Regioselective Glycosylation of Fully Unprotected Sugars through Bis(boronate) Intermediates**: *European Journal of Organic Chemistry* (2014), 3536-3539.

22) Takata, Keiko; Iwatsuki, Masato; Yamamoto, Tsuyoshi; Shirahata, Tatsuya; Nonaka, Kenichi; Masuma, Rokuro; Hayakawa, Yoichi; Hanaki, Hideaki; Kobayashi, Yoshinori; Petersson, George A.; Ōmura, Satoshi; Shiomi, Kazuro: **Aogacillins A and B produced by *Simplicillium* sp. FKI-5985: new circumventors of arbekacin resistance in MRSA** : *Organic Letters* (2013), 15(18), 4678-4681.

21) Ideguchi, Tetsuya; Yamada, Takeshi; Shirahata, Tatsuya; Hirose, Tomoyasu; Sugawara, Akihiro; Kobayashi, Yoshinori; Ōmura, Satoshi; Sunazuka, Toshiaki: **Asymmetric Total Synthesis of Neoxaline**: *Journal of the American Chemical Society* (2013), 135(34), 12568-12571.

20) Murphy, Graham K.; Shirahata, Tatsuya; Hama, Naoto; Bedermann, Aaron; Dong, Ping; McMahon, Taravis C.; Twenter, Barry. M.; Spiegel, David A.; McDonald, Ivar. M.; Taniguchi, Nobuaki; Inoue, Munenori; Wood, John. L.: **Toward the Synthesis of Phomoidride D**: *Journal of Organic Chemistry* (2013), 78, 477-489.

19) Nishino, Takashi; Ohya, Yohei; Murai, Rie; Shirahata, Tatsuya; Yamamoto, Daisuke; Makino, Kazuishi; Kaji, Eisuke: **Regioselective Glycosylation Of Unprotected Methyl Hexopyranoside By Transient Masking With Arylboronic Acid**: *Heterocycles*. (2012), 84 (2), 1123-1140.

18) Shirahata, Tatsuya; Kojima, Asami; Teruya, Satoko; Matsuo, Jun-ichi; Yokoyama, Masaki; Unagiike, Shogo; Makino, Kazuishi; Sunazuka, Toshiaki; Kaji, Eisuke; Ōmura, Satoshi; Kobayashi Yoshinori: **Sequential One-Pot Glycosylation with Glycosyl N-Trichloroacetylcarbamate and Trichloroacetate: Including Dehydrative Approach From 1-Hydroxy Sugars**: *Tetrahedron*, (2011), 67 (24), 6482-6496.

17) Kaji, Eisuke; Komori, Teruaki; Yokoyama, Masaki; Kato, Tomomi; Nishino, Takashi; Shirahata, Tatsuya: **Efficient synthesis of the functional central core lactides, A Constituent of antibiotic Fattviracins**: *Tetrahedron*, (2010), 66 (23), 4089-4100.

16) Nagai, Takayuki; Shimizu, Yuriko; Shirahata, Tatsuya; Sunazuka, Toshiaki; Kiyohara, Hiroaki; Ōmura, Satoshi; Yamada Haruki: **Oral adjuvant activity for nasal influenza vaccines causes by combination of two trihydroxy fatty acid stereoisomers from the tuber of *Pinellia ternate***: *International Immunopharmacology*, (2010), 10, 665-661.

15) Shirahata, Tatsuya; Matsuo, Jun-ichi; Teruya, Satoko; Akimoto, Nanao; Kurimoto, Taku; Sunazuka, Toshiaki; Kaji, Eisuke; Ōmura, Satoshi: **Improved catalytic and stereoselective glycosylation with glycosyl N-trichloroacetylcarbamate: application to various 1-hydroxy sugars** *Carbohydrate Research*, (2010), 345 (6), 740-749.

14) Tsuchiya, Satoshi; Sunazuka, Toshiaki; Shirahata, Tatsuya; Kaji, Eisuke; Ōmura, Satoshi: **Chiral methyl indolelactate : a efficient chiral bulding block for asymmetric syntheses of Kurasoin** : *Heterocycles*. (2007) 72, 91-94

13) Shirahata, Tatsuya; Sunazuka Toshiaki; Yoshida, Kiminari; Yamamoto, Daisuke; Harigaya, Yoshihiro; Nagai, Takayuki; Kiyohara, Hiroaki; Yamada, Haruki; Kuwajima, Isao; Ōmura, Satoshi: **Total synthesis, elucidation of absolute stereochemistry and adjuvant activity of trihydroxy fatty acids**: *Tetrahedron*, (2006) 62 (40), 9483-9496.

12) Matsuo, Jun-ichi; Shirahata, Tatsuya; Ōmura, Satoshi: **Catalytic and stereoselective glycosylation with glycosyl N-trichloroacetylcarbamate**: *Tetrahedron Letters* (2006), 47(3), 267-271.

11) Hirose, Tomoyasu; Sunazuka, Toshiaki; Yamamoto, Daisuke; Kojima, Naoto; Shirahata, Tatsuya; Harigaya, Yoshihiro; Kuwajima, Isao; Ōmura, Satoshi. **Determination of the absolute stereochemistry and asymmetric total synthesis of madindolines A and B: a practical improvement to a second-generation approach from the first-generation**. *Tetrahedron* (2005), 61(25), 6015-6039.

10) Sunazuka, Toshiaki; Shirahata, Tatsuya; Tsuchiya, Satoshi; Hirose, Tomoyasu; Mori, Ryuma; Harigaya, Yoshihiro; Kuwajima, Isao; Ōmura, Satoshi: **A Concise Stereoselective Route to the Indoline Spiroaminal Framework of Neoxaline and Oxaline**: *Organic Letters* (2005), 7(5), 941-943.

9) Sunazuka, Toshiaki; Yoshida, Kiminari; Kojima, Naoto; Shirahata, Tatsuya; Hirose, Tomoyasu; Handa, Masaki; Yamamoto, Daisuke; Harigaya, Yoshihiro; Kuwajima, Isao; Ōmura, Satoshi. **Total synthesis of (-)-physovenine from (-)-3a-hydroxyfuroindoline**. *Tetrahedron Letters* (2005), 46(9), 1459-1461.

8) Sunazuka, Toshiaki; Handa, Masaki; Nagai, Kenichiro; Shirahata, Tatsuya; Harigaya, Yoshihiro; Ootoguro, Kazuhiko; Kuwajima, Isao; Ōmura, Satoshi. **Absolute stereochemistries and total synthesis of (+)-arisugacins A and B, potent, orally bioactive and selective inhibitors of acetylcholinesterase**. *Tetrahedron* (2004), 60(36), 7845-7859.

7) Shirahata, Tatsuya; Sunazuka, Toshiaki; Yoshida, Kiminari; Yamamoto, Daisuke; Harigaya, Yoshihiko; Nagai, Takayuki; Kiyohara, Hiroaki; Yamada, Haruki; Kuwajima, Isao; Ōmura, Satoshi: **Total synthesis and adjuvant activity of all stereoisomers of pinellac acid**. *Bioorganic & Medicinal Chemistry Letters* (2003), 13(5), 937-941.

6) Nagai, Takayuki; Kiyohara, Hiroaki; Munakata, Kaori; Shirahata, Tatsuya; Sunazuka, Toshiaki; Harigaya, Yoshihiro; Yamada, Haruki. **Pinellic acid from the tuber of *Pinellia ternata* Breitenbach as an effective oral adjuvant for nasal influenza vaccine.** *International Immunopharmacology* (2002), 2(8), 1183-1193.

5) Sunazuka, Toshiaki; Shirahata, Tatsuya; Yoshida, Kiminari; Yamamoto, Daisuke; Harigaya, Yoshihiro; Nagai, Takayuki; Kiyohara, Hiroaki; Yamada, Haruki; Kuwajima, Isao; Ōmura, Satoshi: **Total synthesis of pinellic acid, a potent oral adjuvant for nasal influenza vaccine. Determination of the relative and absolute configuration:** *Tetrahedron Letters* (2002), 43(7), 1265-1268.

4) Hirose, Tomoyasu; Sunazuka, Toshiaki; Shirahata, Tatsuya; Yamamoto, Daisuke; Harigaya, Yoshihiro; Kuwajima, Isao; Ōmura, Satoshi. **Short Total Synthesis of (+)-Madindolines A and B.** *Organic Letters* (2002), 4(4), 501-503.

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