

## CURRICULUM VITAE

Name: Makoto Inai, Ph.D  
Nationality: Japanese  
Present address: School of Pharmaceutical Sciences  
University of Shizuoka  
52-1 Yada, Suruga-ku, Shizuoka 422-8526, Japan  
  
Phone: +81-54-264-5859  
e-mail: makinai(@)u-shizuoka-ken.ac.jp



### Education and Research Positions

9/2023-Present: Associate professor, School of Pharmaceutical Sciences  
University of Shizuoka  
10/2011-Present: Assistant professor, School of Pharmaceutical Sciences  
University of Shizuoka  
4/2011-8/2011: Assistant professor, Faculty of Pharmaceutical Sciences  
Tokushima Bunri University  
4/2010-3/2011: Postdoctoral Fellow, Faculty of Pharmaceutical Sciences  
Tokushima Bunri University (Professor Tetsuto Tsunoda)  
4/2009-3/2010: Uehara Memorial Foundation, Postdoctoral Fellow Department of Chemistry  
Colorado State University (Professor Robert M. Williams)  
4/2006-3/2009: D. S., School of Pharmaceutical Sciences  
University of Shizuoka (Professor Toshiyuki Kan)

## ORIGINAL PAPERS

- (68) "Identification of Biosynthetic and Metabolic Genes of 2-Azahypoxanthine in *Lepista sordida* Based on Transcriptomic Analysis" Kotajima, M.; Choi, J.-H.; Suzuki, H.; Suzuki, T.; Wu, J.; Hirai, H.; Nelson, D.; Ouchi, H.; Inai, M.; Dohra, H.; Kawagishi, H. *J. Nat. Prod.* In Press.
- (67) "The role of xanthine dioxygenase in the biosynthetic pathway of 2-aza-8-oxohypoxanthine of *Lepista sordida*" Kotajima, M.; Choi, J.-H.; Suzuki, T.; Wu, J.; Hirai, H.; Nelson, D. C.; Ouchi, H.; Inai, M.; Dohra, H.; Kawagishi, H. *Biosci. Biotechnol. Biochem* **2023** In Press.
- (66) "Role of hypoxanthine-guanine phosphoribosyltransferase in metabolism of fairy chemicals in rice" Takemura, H.; Choi, J.-H.; Fushimi, K.; Narikawa, R.; Wu, J.; Kondo, M.; Nelson, D. C.; Suzuki, T.; Ouchi, H.; Inai, M.; Hirai H.; Kawagishi, H. *Org. Biomol. Chem.* **2023**, *21*, 1653–1656.
- (65) "Total Synthesis of (–)-Domoic Acid, A Potent Ionotropic Glutamate Receptor Agonist and the Key Compound in Oceanic Harmful Algal Blooms" Nishizawa, S.; Ouchi, H.; Suzuki, H.; Ohnishi, T.; Sasaki, S.; Oyagi, Y.; Kanakogi, K.; Matsumura, Y.; Nakagawa, S.; Asakawa, T.; Egi, E.; Inai, M.; Yoshimura, F.; Takita, R.; Kan T. *Org. Biomol. Chem.* **2023**, *21*, 1653–1656.
- (64) "Total synthesis of isosilybin B" Inai, M.; Ueno, Y.; Sagara, H.; Ouchi, Yoshimura, F.; Kan, T. *Eur. J. Org. Chem.* **2022**, e202200653.
- (63) "1,2,3-Triazine formation mechanism of the fairy chemical 2-azahypoxanthine in the fairy ring- forming fungus *Lepista sordida*" Ito, A.; Choi, J.-H.; Yokoyama-Maruyama, W.; Kotajima, M.; Wu, J.; Suzuki, T.; Terashima, Y.; Suzuki, H.; Hirai, H.; Nelson, D. C.; Tsunematsu, Y.; Watanabe, K.; Asakawa, T.; Ouchi, H.; Inai, M.; Dohra, H.; Kawagishi, H. *Org. Biomol. Chem.* **2022**, *20*, 2636–2642.
- (62) "S-Adenosylhomocysteine Analogue of a Fairy Chemical, Imidazole-4-carboxamide, as its Metabolite in Rice and Yeast and Synthetic Investigations of Related Compounds" Ouchi, H.; Namiki, T.; Iwamoto, K.; Matsuzaki, N.; Inai, M.; Kotajima, M.; Wu, J.; Choi, J.-H.; Kimura, Y.; Hirai, H.; Xie, X.; Kawagishi, H.; Kan, T. *J. Nat. Prod.* **2021**, *84*, 453–458.
- (61) "Biosynthesis of the Fairy Chemicals, 2-Azahypoxanthine and Imidazole-4-carboxamide, in the Fairy Ring-Forming Fungus *Lepista sordida*" Ito, A.; Choi, J.-H.; Takemura, H.; Kotajima, M.; Wu, Y.; Tokuyama S.; Hirai, H.; Asakawa, T.; Ouchi, H.; Inai, M.; Kan, T.; Kawagishi, H. *J. Nat. Prod.* **2020**, *83*, 2469 – 2476.
- (60) "Total synthesis of sophoraflavanone H and confirmation of its absolute configuration" Murakami, H.; Asakawa, A.; Muramatsu, M.; Ishikawa, R.; Hiza, A.; Tsukaguchi, Y.; Tokumaru, Y.; Egi, M.; Inai, M.; Ouchi, H.; Yoshimura, F.; Taniguchi, T.; Ishikawa, Y.; Kondo, M.; Kan, T. *Org. Lett.* **2020**, *22*, 3820–3824.
- (59) "Synthetic studies on pactamycin: a synthesis of Johnson's intermediate" Miura, Y.; Ouchi, H.; Inai, M.; Yoshimura, F.; Osawa, Y.; Kanazawa, J.; Uchiyama, M.; Kondo, M.; Kan, T. *Org. Lett.* **2020**, *22*, 3515–3518.
- (58) "Total Syntheses and Cytotoxic Evaluations of Cryptolactones A<sub>1</sub>, A<sub>2</sub>, B<sub>1</sub>, B<sub>2</sub> and Their Derivatives" Inai, M.; Oguri, Y.; Horikawa, M.; Kaku, H.; Suzuki, S.; Kitamura, K.; Tsunoda, T. *Chem. Pharm. Bull.* **2020**, *68*, 380–383.

- (57) "Synthetic Study on Pactamycin and its Derivatives: Improve Synthesis of Our Route" Ohmi, K.; Miura, Y.; Nakao, Y.; Goto, A.; Yoshimura, S.; Ouchi, H.; Inai, M.; Asakawa, T.; Yoshimura, F.; Kondo, M.; Kan, T. *Eur. J. Org. Chem.* **2020**, 488–491.
- (56) "Transdermal delivery of nobiletin using ionic liquids" Hattori, T.; Tagawa, H.; Inai, M.; Kan, T.; Kimura S.; Itai, S.; Mitragotri, S.; Iwao, Y. *Sci. Rep.* **2019**, *9*, 20191.
- (55) "Piperidine and Azetidone Formation by Direct Cyclization of Diols with N-Nonsubstituted Sulfonamide under The Mitsunobu Conditions Utilizing (Cyanomethylene)Tributylphosphorane (CMBP) and Its Application to The Synthesis of Lupinine" Kaku, H.; Sonoda, Y.; Hishida, H.; Taniguchi, Y.; Kubo, A.; Hamaguchi, T.; Horikawa, M.; Inai, M.; Kitamura, K.; Tsunoda, T. *Heterocycles* **2019**, *98*, 1525–1535.
- (54) "Diastereodivergent and Regiodivergent Total Synthesis of Princepin and Isoprincepin in Both (7''R,8''R) and (7''S,8''S) Isomers" Kobayashi, M.; Ueno, H.; Yoshida, N.; Ouchi, H.; Asakawa, T.; Yoshimura, F.; Inai, M.; Kan, T. *J. Org. Chem.* **2019**, *84*, 14227–14240.
- (53) "Ribosides and Ribotide of a Fairy Chemical, Imidazole-4-carboxamide, as Its Metabolites in Rice" Choi, J.-H.; Matsuzaki, N.; Wu, J.; Kotajima, M.; Hirai, H.; Kondo, M.; Asakawa, T.; Inai, M.; Ouchi, H.; Kan, T.; Kawagishi, H. *Org. Lett.* **2019**, *21*, 7841–7845.
- (52) "A Fairy Chemical, Imidazole-4-carboxamide, is Produced on a Novel Purine Metabolic Pathway in Rice" Takemura, H.; Choi, J.-H.; Matsuzaki, N.; Taniguchi, Y.; Wu, Y.; Hirai, H.; Motohashi, R.; Asakawa, T.; Ikeuchi, K.; Inai, M.; Kan, T.; Kawagishi, H. *Sci. Rep.* **2019**, *9*, 9899.
- (51) "CONSICE SYNTHESIS OF TAN1251C" Nagasaka, Y.; Asakawa, T.; Shintaku, S.; Masuda, A.; Matsumura, K.; Inai, M.; Ishikawa, Y.; Egi, M.; Hamashima, Y.; Kan, T. *Heterocycles* **2019**, *99*, 1095–1116.
- (50) "Practical synthesis of polymethylated flavones: nobiletin and its desmethyl derivative" Asakawa, T.; Sagara, H.; Kanakogi, M.; Hiza, A.; Tsukaguchi, Y.; Ogawa, T.; Nakayama, M.; Ouchi, H.; Inai, M.; Kan, T. *Org. Process Res. Dev.* **2019**, *23*, 595–602.
- (49) "Optically Active 2,7,10,15-Tetrahydroxytetraphenylene: Clathrates with Both Enantiomers of 1-Phenylethylamine and Their Stability" Kaku, H.; Mitarai, A.; Okamoto, N.; Tanaka, K.; Ichikawa, S.; Yamamoto, T.; Inai, M.; Nishii, T.; Horikawa, M.; Tsunoda, T. *Eur. J. Org. Chem.* **2018**, *48*, 6991–6999.
- (48) "A role of uroleuconaphins, polyketide red pigments in aphid, as a chemopreventor in the host defense system against infection with entomopathogenic fungi" Horikawa, M.; Shimazu, M.; Aibe, M.; Kaku, H.; Inai, M.; Tsunoda, T. *J. Antibiot.* **2018**, *71*, 992–999.
- (47) "Synthesis of double-<sup>13</sup>C-labeled imidazole derivatives" Ouchi, H.; Asakawa, T.; Ikeuchi, K.; Inai, M.; Choi, J.-H.; Kawagishi, H.; Kan, T. *Tetrahedron Lett.* **2018**, *59*, 3516–3518.
- (46) "Concise synthesis of polymethoxyflavone sudachitin and its derivatives, and biological evaluations" Sagara, Y.; Kanakogi, M.; Tara, Y.; Ouchi, H.; Kimura, J.; Kaneko, Y.; Inai, M.; Asakawa, T.; Ishikawa, T.; Kan, T. *Tetrahedron Lett.* **2018**, *59*, 1816–1818.

- (45) "Total synthesis of natural products using a desymmetrization strategy" Inai, M.; Asakawa, T.; Kan, T. *Tetrahedron Lett.* **2018** *59*, 1343–1347.
- (44) "An efficient screening method for purifying and crystallizing membrane proteins using modified clear-native PAGE" Suzuki, N.; Takamuku, Y.; Asakawa, T.; Inai, M.; Hino, T.; Iwata, S.; Kan, T.; Murata, T. *Anal. Biochem.* **2018**, *548*, 7–14.
- (43) "N-Glucosides of Fairy Chemicals, 2-Azahypoxanthine and 2-Aza-8-oxohypoxanthine, in Rice" Choi, J.-H.; Wu, J.; Sawada, A.; Takeda, S.; Takemura, H.; Yogosawa, K.; Hirai, H.; Kondo, M.; Sugimoto, K.; Asakawa, T.; Inai, M.; Kan, T.; Kawagishi, H. *Org. Lett.* **2018** *20*, 312–314.
- (42) "Total Synthesis of TAN1251C via Diastereoselective Construction of the Azaspiro Skeleton" Nagasaka, Y.; Shintaku, S.; Matsumura, K.; Masuda, A.; Asakawa, T.; Inai, M.; Egi, M.; Hamashima, Y.; Ishikawa, Y.; Kan, T. *Org. Lett.* **2017** *19*, 3839–3842.
- (41) "Synthetic Study on Pactamycin: Stereoselective Synthesis of the Cyclopentane Core Framework" Goto, A.; Yoshimura, S.; Nakao, Y.; Inai, M.; Asakawa, T.; Egi, M.; Hamashima, Y.; Kondo, M.; Kan, T. *Org. Lett.* **2017**, *19*, 3358–3361.
- (40) "Divergent synthesis of kinase inhibitor derivatives, leading to discovery of selective Gck inhibitors" Matsumaru, T.; Inai, M.; Ishigami, K.; Iwamatsu, T.; Maita, H.; Otsuguro, S.; Nomura, T.; Matsuda, A.; Ichikawa, S.; Sakaitani, M.; Shuto, S.; Maenaka K.; Kan, T. *Bio. Med. Chem. Lett.* **2017**, *27*, 2144–2147.
- (39) "Insulinotropic and anti-apoptotic effects of nobiletin in INS-1D  $\beta$ -cells" Takii, M.; Kaneko, Y. K.; Akiyama, K.; Aoyagi, Y.; Tara, Y.; Asakawa, T.; Inai, M.; Kan, T.; Nemoto, K.; Ishikawa, T. *J. Funct. Foods* **2017** *30*, 8–15.
- (38) "Synthesis of chemical-biology tools enabling in vivo imaging and analysis of epigallocatechin gallate." Asakawa, T.; Yoshida, A.; Hirooka, Y.; Suzuki, T.; Itoh, K.; Shimizu, K.; Oku, N.; Furuta, T.; Wakimoto, T.; Inai, M.; Kan T. *Heterocycles* **2016**, *93*, 218–242.
- (37) "Stereospecific Construction of 2-Vinyl 3-Hydroxybenzopyrane Rings: Total Synthesis of Teadenol A and B" Yoshida, R.; Ouchi, H.; Yoshida, A.; Asakawa, T.; Inai, M.; Egi, E.; Hamashima, Y.; Kan, T. *Org. Biomol. Chem.* **2016**, *14*, 10783–10786.
- (36) "Concise Synthesis of Anserine: Efficient Solvent Tuning in Asymmetric Hydrogenation Reaction" Yamashita, M.; Shimizu, K.; Wakimoto T.; Hamashima, Y.; Asakawa T.; Inai, M.; Kan, T. *Synlett* **2016**, *27*, 2734–2736.
- (35) "Practical synthesis of spermine, thermospermine and norspermine" Kariya, Y.; Asanuma, Y.; Inai, M.; Asakawa, T.; Ohashi-Ito, K.; Fukuda, H.; Egi, M.; Kan, T. *Chem. Pharm. Bull.* **2016**, *64*, 1403–1407.
- (34) "Practical Total Syntheses of Acromelic Acids A and B" Inai, M.; Ouchi, H.; Asahina, A.; Asakawa, T.; Hamashima, Y.; Kan, T. *Chem. Pharm. Bull.* **2016**, *64*, 723–732.
- (33) "Synthesis of food effective constituents toward the development for chemical biology investigations" Inai, M.; Asakawa, T.; Kan, T. *J. Syn. Org. Chem., Jpn.* **2016**, *74*, 412–425.

- (32) “Syntheses of methylated catechins and theaflavins using 2-nitrobenzenesulfonyl group to protect and deactivate phenol” Asakawa, T.; Kawabe, Y.; Yoshida, A.; Aihara, Y.; Manabe, T.; Hirose, Y.; Sakurada, A.; Inai, M.; Hamashima, Y.; Furuta, T.; Wakimoto, T. *J. Antibiot.* **2016**, *69*, 299–312.
- (31) “Applications of C–H Insertion Reaction in Total Synthesis of Biologically Active Heterocyclic Natural Products” Kan, T.; Asakawa, T.; Inai, M. *Heterocycles* **2016**, *92*, 31–43.
- (30) “Stereocontrolled Total Syntheses of Optical Active Furofuran Lignans” Inai, M.; Ishikawa, R.; Yoshida, N.; Akao, Y.; Kawabe, Y.; Shirakawa, N.; Asakawa, T.; Egi, M.; Hamashima, Y.; Kan, T. *Synthesis* **2015**, *47*, 3513–3521.
- (29) “Isolation and total syntheses of cytotoxic cryptolactone A<sub>1</sub>, A<sub>2</sub>, B<sub>1</sub> and B<sub>2</sub>:  $\alpha,\beta$ -unsaturated  $\delta$ -lactones from the aphid *Cryptomyzus* sp.” Horikawa, M.; Inai, M.; Ogri, Y.; Kuroda, E.; Tanaka, M.; Suzuki, S.; Ito, T.; Takahashi, S.; Kaku, H.; Tsunoda, T. *J. Nat. Prod.* **2014**, *77*, 2459 – 2464.
- (28) “Total Syntheses of (+)-Sesamin and (+)-Sesaminol” Ishikawa, R.; Yoshida, N.; Akao, Y.; Kawabe, Y.; Inai, M.; Asakawa, T.; Hamashima, Y.; Kan, T. *Chem. Lett.* **2014**, *43*, 1572–1574. [Editor’s choice and open access article]
- (27) “Practical synthesis of natural plant-growth regulator 2-azahypoxanthine, its derivatives, and biotin-labeled probes” Ikeuchi, K.; Fujii, R.; Sugiyama, S.; Asakawa, T.; Inai, M.; Hamashima, Y.; Choi, J.-H.; Suzuki, T.; Kawagishi, H.; Kan, T. *Org. Biomol. Chem.* **2014**, *12*, 3813–3815.
- (26) “Stereocontrolled total synthesis of Hedyotol A” Kawabe, Y.; Ishikawa, R.; Yoshida, A.; Inai, M.; Asakawa, T.; Hamashima, Y.; Kan, T. *Org. Lett.* **2014**, *16*, 1980–1983.
- (25) “Practical Total Synthesis of Acromelic acid A and B” Ouchi, H.; Asahina, A.; Asakawa, T.; Inai, M.; Hamashima, Y.; Kan, T. *Org. Lett.* **2014**, *16*, 1976–1979.
- (24) “Total Synthesis of (–)-SB-203207” Hirooka, Y.; Ikeuchi, K.; Kawamoto, Y.; Akao, Y.; Furuta, T.; Asakawa, T.; Inai, M.; Wakimoto, T.; Fukuyama, T.; Kan, T. *Org. Lett.* **2014**, *16*, 1646–1649.
- (23) “Practical Synthesis of Kainoids: A New Chemical Probe Precursor and a Fluorescent Probe” Sasaki, S.; Suzuki, H.; Ouchi, H. Asakawa, T.; Inai, M.; Sakai, R.; Shimamoto, K.; Hamashima, Y.; Kan, T. *Org. Lett.* **2014**, *16*, 564 – 567.
- (22) “Synthetic study of Flavonoid and its Chemical Probes” Hiza, A.; Tsukaguchi, Y.; Ogawa, T.; Inai, M.; Asakawa, T.; Hamashima, T.; Kan, T. *Heterocycles* **2014**, *88*, 1371–1396.
- (21) “A Method to Prepare Optically Active Acyclic  $\alpha$ -Benzylketones by Thermodynamically Controlled Deracemization” Kaku, H.; Imai, T.; Kondo, R.; Mamba, S.; Watanabe, Y.; Inai, M.; Nishii, T.; Horikawa, H.; Tsunoda, T. *Eur. J. Org. Chem.* **2013**, 8208–8213.
- (20) “Stereocontrolled total synthesis of sphingofungin E” Ikeuchi, K.; Hayashi, M.; Yamamoto, T.; Inai, M.; Asakawa, T.; Hamashima, Y.; Kan, T. *Eur. J. Org. Chem.* **2013**, 6789–6792.
- (19) “Chemoselective Hydrogenation Reaction of Unsaturated Bonds in the Presence of *o*-Nitrobenzenesulfonyl Group” Kawanishi, A.; Miyamoto, C.; Yabe, Y.; Inai, M.; Asakawa, T.; Hamashima, Y.; Sajiki, H.; Kan, T. *Org. Lett.* **2013**, *15*, 1306–1309.

- (18) "Xanthouroleuconaphin: a yellowish pigment from the aphid *Uroleucon nigrotuberculatum* and its total synthesis" Nishimura, T.; Horikawa, M.; Yamada, K.; Sogabe, A.; Nishii, T.; Kaku, H.; Inai, M.; Tanaka, M.; Takahashi, S.; Tsunoda, T. *Tetrahedron* **2013**, *69*, 1808–1814.
- (17) "Synthesis of Theaflavins via Biomimetic Oxidative Coupling Reaction" Kawabe, Y.; Aihara, Y.; Hirose, Y.; Sakurada, A.; Yoshida, A.; Inai, M.; Asakawa, T.; Hamashima, Y.; Kan, T. *Synlett* **2013**, *24*, 479–482.
- (16) "Catalytic Desymmetrization of Cyclohexadienes by Asymmetric Bromolactonization" Ikeuchi, K.; Ido, S.; Yoshimura, S.; Asakawa, T.; Inai, M.; Hamashima, Y.; Kan, T. *Org. Lett.* **2012**, *14*, 6016–6019.
- (15) "A Total Synthesis of Yellowish Aphid Pigment Furanaphin through Fries Rearrangement Assisted by Boron Trifluoride-Acetic Acid Complex" Nishimura, T.; Iwata, T.; Maegawa, M.; Nishii, T.; Matsugasako, M.; Kaku, H.; Horikawa, M.; Inai, M.; Tsunoda, T. *Synlett* **2012**, *23*, 1789–1792.
- (14) "Construction of an Asymmetric Quaternary Carbon by Asymmetric Aza-Claisen Rearrangement and its Application to a Total Synthesis of (+)- $\alpha$ -Cuparenone" Nishii, T.; Miyamae, F.; Yoshizuka, M.; Kaku, H.; Horikawa, M.; Inai, M.; Tsunoda, T. *Tetrahedron: Asymmetry* **2012**, *23*, 739–741.
- (13) "Megouraphin Glucoside: Two Yellowish Pigments from the Aphid *Megoura crassicauda* Mordvilko" Horikawa, M.; Kikuchi, D.; Imai, T.; Tanaka, M.; Kaku, H.; Nishii, T.; Inai, M.; Takahashi, S.; Tsunoda, T. *Heterocycles* **2012**, *85*, 95–101.
- (12) "Promotion of Asymmetric Aza-Claisen Rearrangement of *N*-Allylic Carboxamides Using Excess Base" Yoshizuka, M.; Nishii, T.; Sasaki, H.; Kitakado, J.; Ishigaki, N.; Okugawa, S.; Kaku, H.; Horikawa, M.; Inai, M.; Tsunoda, T. *Synlett* **2011**, 2967–2970.
- (11) "Viridaphin A<sub>1</sub> Glucoside, a Green Pigment Possessing Cytotoxicity and Antibacterial Activity from the Aphid *Megoura crassicauda* Mordvilko" Horikawa, M.; Hoshiyama, T.; Matsuzawa, M.; Shugyo, T.; Tanaka, M.; Suzuki, S.; Sato, M.; Ito, T.; Asakawa, Y.; Kaku, H.; Nishii, T.; Inai, M.; Takahashi, S.; Tsunoda, T. *J. Nat. Prod.* **2011**, *74*, 1812–1816.
- (10) "Total Synthesis of (+)-Brefeldin C utilizing aza-Claisen Rearrangement" Inai, M.; Nishii, T.; Mukoujima, S.; Esumi, T.; Kaku, H.; Tominaga, K.; Abe, H.; Horikawa, M.; Tsunoda, T. *Synlett* **2011**, 1459–1461.
- (9) "Total Synthesis of (+)-Antimycin A Family" Inai, M.; Nishii, T.; Tanaka, A.; Kaku, H.; Horikawa, M.; Tsunoda, T. *Eur. J. Org. Chem.* **2011**, 2719–2729.
- (8) "PET Imaging Investigation of Nobiletin Based on a Practical Total Synthesis" Asakawa, T.; Hiza, A.; Nakayama, M.; Inai, M.; Oyama, D.; Koide, H.; Shimizu, K.; Wakimoto, T.; Harada, N.; Tsukada, H.; Oku, N.; Kan, T. *Chem. Commun.* **2011**, *47*, 2868–2870.
- (7) "Synthetic Studies on Palau'amine Construction of the Cyclopentane Core via an Asymmetric 1,3-Dipolar Cycloaddition" Namba, K.; Inai, M.; Sundermeier, U.; Greshock, T. J.; Williams, R. M. *Tetrahedron Lett.* **2010**, *51*, 6557–6559.
- (6) "A facile and practical method of preparing optically active  $\alpha$ -monosubstituted cycloalkanones by thermodynamically

controlled deracemization” Kaku, H.; Nakamaru, A.; Inai, M.; Nishii, N.; Horikawa, M.; Tsunoda, T. *Tetrahedron* **2010**, *66*, 9450–9455.

(5) “Solid Support Synthesis of Artificial Phospholipids” Furuta, T.; Onuki, H.; Mochizuki, M.; Ito, M.; Inai, M.; Wakimoto, T.; Kan, T. *Synlett* **2009**, 3373–3374.

(4) “Concise Synthesis of Chafurosides A and B” Furuta, T.; Nakayama, M.; Suzuki, H.; Tajimi, H.; Inai, M.; Nukaya, H.; Wakimoto, T.; Kan, T. *Org. Lett.* **2009**, *11*, 2233–2236.

(3) “Identification and characterization of flavonoids as sialyltransferase inhibitors” Hidari, K. I. P. J.; Oyama, K.; Ito, G.; Nakayama, M.; Inai, M.; Goto, S.; Kanai, Y.; Watanabe, K.; Yoshida, K.; Furuta, T.; Kan, T.; Suzuki, T. *Biochem. Biophys. Res. Commun.* **2009**, 609–613.

(2) “Stereocontrolled total synthesis of (–)-myriocin” Inai, M.; Goto, T.; Furuta, T.; Wakimoto, T.; Kan, T. *Tetrahedron: Asymmetry* **2008**, *19*, 2771–2773.

(1) “A Practical Total Synthesis of (+)-Antimycin A<sub>9</sub>” Nishii, T.; Inai, M.; Kaku, H.; Horikawa, H.; Tsunoda, T. *J. Antibiot.* **2007**, *60*, 65–72.