

## Publication List

March 15, 2024

- 1) T. Suzuki\*  
Biomimetic Synthesis of Chloropupukeananin and its Congeners  
*Journal of Synthetic Organic Chemistry, Japan*, **82**, in press (2024).
- 2) M. Shimura\*, N. Higashi-Kuwata, A. Fujiwara, M. Taniguchi, T. Ichinose, F. Hamano, M. Uematsu, T. Inoue, S. Matsuyama, T. Suzuki, A. K. Ghosh, H. Shindou, T. Shimizu, H. Mitsuya\*  
A lipid index for risk of hyperlipidemia caused by anti-retroviral drugs  
*Antiviral Research*, **222**, 105819 (2024).
- 3) K. Sato, T. Fujita, T. Takeuchi, T. Suzuki, K. Ikeuchi, K. Tanino\*  
Alcohol synthesis based on the S<sub>N</sub>2 reactions of alkyl halides with squarate dianion  
*Organic & Biomolecular Chemistry*, **22**, accepted (2024).
- 4) K. Ikeuchi\*, S. Haraguchi, R. Fujii, H. Yamada, T. Suzuki, K. Tanino\*  
Total Synthesis of (+)-Coriamyrtin via a Desymmetrizing Strategy Involving a 1,3-Cyclopentanedione Moiety  
*Organic Letters*, **25**, 2751-2755 (2023).
- 5) K. Ikeuchi\*, Y. Ozoe, R. Kato, T. Suzuki, K. Tanino\*  
Synthesis of 2-alkyl-2-(2-furanyl)-1,3-cyclopentanediones  
*Synthesis*, **55**, 1525-1532 (2023).
- 6) T. Suzuki\*, W. Ikeda, A. Kanno, K. Ikeuchi, K. Tanino\*  
Diastereoselective Synthesis of *trans-anti*-Hydrophenanthrenes via Ti-mediated Radical Cyclization and Total Synthesis of Kamebanin  
*Chemistry — A European Journal*, e202203511 (2023).
- 7) T. Taniguchi\*, Mutmainah, S. Takimoto, T. Suzuki, S. Watanabe, F. Matsuda, T. Umezawa\*, K. Monde\*  
Scope and Limitations of Absolute Configuration Determination of Allenic Natural Products Using C=C=C Stretching VCD Signal  
*Organic & Biomolecular Chemistry*, **21**, 569-574 (2023).
- 8) R. Kato, H. Saito, K. Ikeuchi, T. Suzuki, K. Tanino\*  
Total Synthesis and Structural Revision of the 6,11-Epoxyisodaucane Natural Sesquiterpene Using an Anionic 8 $\pi$  Electrocyclic Reaction  
*Organic Letters*, **24**, 7939-7943 (2022).
- 9) K. Kato, K. Ikeuchi, T. Suzuki, K. Tanino\*  
Total Synthesis of 2-Isocyanoallopupukeanane: Construction of Caged Skeleton by Intramolecular Alkylation of Bromonitriles  
*Organic Letters*, **24**, 6407-6411 (2022).
- 10) T. Suzuki  
Total Syntheses of chloropupukeananin and its related natural products  
*Organics*, **3**, 304-319 (2022).
- 11) R. Ogura, K. Satoh, W. Kiuchi, K. Kato, K. Ikeuchi, T. Suzuki, K. Tanino\*

- “Two-Step Method for Constructing a Quaternary Carbon Atom with a Geminal Divinyl Group from a Ketone”  
*Organic Letters*, **24**, 5040-5044 (2022).
- 12) Y. Yukutake, T. Hiramatsu, R. Itoh, K. Ikeuchi, T. Suzuki, K. Tanino\*  
“Synthetic Studies toward Tubiferal A: Asymmetric Synthesis of a Model ABC-ring Compound”  
*Synlett*, **33**, 296-300 (2022).
- 13) J.-i. Kishi, K. Ikeuchi, T. Suzuki, K. Tanino\*  
“Synthetic Studies of Daphniphyllum Alkaloids: A New Method for the Construction of [7-5-5] All-carbon Tricyclic Skeleton”  
*Synlett*, **33**, 196-200 (2022).
- 14) H. Saito, R. Kato, K. Ikeuchi, T. Suzuki, K. Tanino\*  
8 $\pi$  Electrocyclic Reaction of Phosphonate Derivatives: Access to Seven-Membered Cross-Conjugated Cyclic Trienes  
*Organic Letters*, **23**, 9606-9610 (2021).
- 15) K. Ikeuchi\*, T. Sasage, G. Yamada, T. Suzuki, K. Tanino\*  
“Synthesis of a Bicyclo[2.2.1]heptane Skeleton with Two Oxy-functionalized Bridgehead Carbons via the Diels-Alder Reaction”  
*Organic Letters*, **23**, 9123-9127 (2021).
- 16) R. Kato, H. Saito, S. Uda, D. Domon, K. Ikeuchi, T. Suzuki, K. Tanino\*  
“Synthesis of Seven-membered Cross-conjugated Cyclic Trienes by 8 $\pi$  Electrocyclic Reaction”  
*Organic Letters*, **23**, 8878-8882 (2021).
- 17) T. Suzuki\*, S. Watanabe, W. Ikeda, S. Kobayashi, K. Tanino  
“Biomimetic Total Syntheses of (+)-Chloropupukeanin, (-)-Chloropupukeanolide D, and Chloropestolides”  
*The Journal of Organic Chemistry*, **86**, 15597-15605 (2021).
- 18) T. Suzuki\*, R. Nagahama, M. A. Fariz, Y. Yukutake, K. Ikeuchi, K. Tanino  
“Synthesis of Illisimonin A Skeleton by Intramolecular Diels-Alder Reaction of Ortho-benzoquinones and Biomimetic Skeletal Rearrangement of Allo-cedranes”  
*Organics*, **2**, 306-312 (2021).
- 19) T. Suzuki\*, T. Koyama, K. Nakanishi, S. Kobayashi, K. Tanino\*  
“Formal Total Synthesis of Atropurpuran”  
*The Journal of Organic Chemistry*, **85**, 10125-10135 (2020).
- 20) T. Suzuki\*, T. Yanagisawa, K. Tanino\*  
“An Intermolecular [4+3] Cycloaddition Reaction Using 3-Hydroxy-2-pyrone Derivatives with an Oxyallyl Cation”  
*Heterocycles*, **99**, 848-855 (2019).
- 21) T. Suzuki\*, S. Watanabe, M. Uyanik, K. Ishihara, S. Kobayashi, K. Tanino\*  
“Asymmetric Total Synthesis of (-)-Maldoxin, a Common Biosynthetic Ancestor of the Chloropupukeanin Family”  
*Organic Letters*, **20**, 3919-3922 (2018).

- 22) T. Suzuki\*  
“Enantioselective Total Synthesis of (+)-Iso-A82775C”  
*Journal of Synthetic Organic Chemistry, Japan*, **76**, 462-465 (2018).
- 23) T. Suzuki\*, M. Fujimura, K. Fujita, S. Kobayashi\*  
“Total Synthesis of (+)-Methynolide using a Ti-mediated Aldol Reaction of a Lactyl-bearing Oxazolidin-2-one, and a Vinylogous Mukaiyama Aldol Reaction”  
*Tetrahedron*, **73**, 3652-3659 (2017).
- 24) T. Suzuki\*, S. Watanabe, S. Kobayashi, K. Tanino\*  
“Enantioselective Total Synthesis of (+)-Iso-A82775C, a Proposed Biosynthetic Precursor of Chloropupukeananin”  
*Organic Letters*, **19**, 922-925 (2017).
- 25) S. Nishikori, K. Takemoto, S. Kamisuki, S. Nakajima, K. Kuramochi, S. Tsukuda, M. Iwamoto, Y. Katayama, T. Suzuki, S. Kobayashi, K. Watashi, F. Sugawara\*  
“Anti-hepatitis C Virus Natural Product from a Fungus, *Penicillium herquei*”  
*Journal of Natural Products*, **79**, 442-446 (2016).
- 26) K. Usui, T. Suzuki, M. Nakada\*  
“A Highly Stereoselective Intramolecular Diels–Alder Reaction for Construction of the AB Ring Moiety of Bruceantin”  
*Tetrahedron Letters* **56**, 1247-1251 (2015).
- 27) N. Takanashi, K. Tamura, T. Suzuki\*, A. Nakazaki, S. Kobayashi\*  
“Synthetic Study of Spiroiridal Triterpenoids: Construction of Functionalized Spiro[4.5]decane Skeleton using Claisen Rearrangement of 2-(Alkenyl)dihydropyran”  
*Tetrahedron Letters*, **56**, 327-330 (2015).
- 28) K. Takakusagi, Y. Takakusagi\*, T. Suzuki, A. Toizaki, A. Suzuki, Y. Kawakatsu, M. Watanabe, Y. Saito, R. Fukuda, A. Nakazaki, S. Kobayashi, K. Sakaguchi, F. Sugawara\*  
“Multimodal Biopanning of T7 Phage-displayed Peptide Reveals Angiomotin as a Potential Receptor of an Anti-angiogenic Macrolide Roxithromycin”  
*European Journal of Medicinal Chemistry*, **90**, 809-821 (2015).
- 29) T. Suzuki\*, H. Okuyama, A. Takano, S. Suzuki, I. Shimizu, S. Kobayashi\*  
“Synthesis of Dibarrelane, a Dibicyclo[2.2.2]octane Hydrocarbon”  
*The Journal of Organic Chemistry*, **79**, 2803-2808 (2014).
- 30) S. Shimura, M. Ishima, S. Nakajima, T. Fujii, N. Himeno, K. Ikeda, J. Izaguirre-Carbonell, H. Murata, T. Takeuchi, S. Kamisuki, T. Suzuki, K. Kuramochi, K. Watashi, S. Kobayashi, F. Sugawara\*  
“Total Synthesis and Anti-Hepatitis C Virus Activity of MA026”  
*Journal of the American Chemical Society*, **135**, 18949-18956 (2013).
- 31) A. Nakazaki\*, K. Iwakiri, T. Hirano, T. Suzuki, S. Kobayashi\*  
“Deprotection of the Methoxymethyl (MOM) Group on 3-Spiro-2-oxindole under Basic Conditions”  
*Chemical & Pharmaceutical Bulletin*, **61**, 587-591 (2013).
- 32) T. Suzuki\*, Y. Miyajima, K. Suzuki, K. Iwakiri, M. Koshimizu, G. Hirai, M. Sodeoka, S. Kobayashi\*  
“Unexpected Diels-Alder/Carbonyl-ene Cascade toward the Biomimetic Synthesis of

Chloropupukeananin”

*Organic Letters*, **15**, 1748-1751 (2013).

- 33) R. Tanaka, K. Ohishi, N. Takanashi, T. Nagano, H. Suizu, T. Suzuki, S. Kobayashi\*  
“Synthetic Study of Pyrrocidines; First Entry to the Decahydrofluorene Core of Pyrrocidines”  
*Organic Letters*, **14**, 4886-4889 (2012).
- 34) K. Fujita, R. Matsui, T. Suzuki, S. Kobayashi\*  
“Concise Total Synthesis of (–)-Myxalamide A”  
*Angewandte Chemie, Int. Ed.*, **51**, 7271-7274 (2012).
- 35) E. Nozaki, M. Gotoh, R. Tanaka, M. Kato, T. Suzuki, A. Nakazaki, H. Hotta, S. Kobayashi, K. Murakami-Murofushi\*  
“Pharmacological Evaluation of a Novel Cyclic Phosphatidic Acid Derivative 3-*S*-cyclic Phosphatidic Acid (3-*S*-cPA)”  
*Bioorganic & Medicinal Chemistry*, **20**, 3196-3201 (2012).
- 36) H. Hosoi, N. Kawai, H. Hagiwara, T. Suzuki, A. Nakazaki, K.-i. Takao, K. Umezawa, S. Kobayashi\*  
“Determination of the Absolute Structure of (+)-Akaterpin”  
*Chemical & Pharmaceutical Bulletin*, **60**, 137-143 (2012).
- 37) T. Suzuki, A. Sasaki, N. Egashira, S. Kobayashi\*  
“A Synthetic Study of Atropurpuran: Construction of a Pentacyclic Framework by an Intramolecular Reverse-Electron-Demand Diels-Alder Reaction”  
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- 38) H. Hosoi, N. Kawai, H. Hagiwara, T. Suzuki, A. Nakazaki, K.-i. Takao, K. Umezawa, S. Kobayashi\*  
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*Tetrahedron Letters*, **52**, 4961-4964 (2011).
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“Efficient Synthesis of 3-*O*-thia-cPA and Preliminary Analysis of its Biological Activity toward Autotaxin”  
*Bioorganic & Medicinal Chemistry Letters*, **21**, 4180-4182 (2011).
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“Different Modes of Cyclization in Zoanthamine Alkaloid System, Bisaminal versus Spiroketal Formation”  
*Organic Letters*, **13**, 2980-2983 (2011).
- 41) N. Tanaka-Suzuki, T. Suzuki, T. Matsumura, Y. Hosoya, T. Nakazato, M. Nakada\*  
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- 42) Y. Iwasaki, R. Matsui, T. Suzuki, A. Nakazaki, S. Kobayashi\*  
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“A Second-Generation Formal Synthesis of (+)-Haplophytine”

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- 44) R. Matsui, K. Seto, Y. Sato, T. Suzuki, A. Nakazaki, S. Kobayashi\*  
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*Organic Letters*, **13**, 50-53 (2011).
- 47) R. Matsui, K. Seto, K. Fujita, T. Suzuki, A. Nakazaki, S. Kobayashi\*  
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*Angewandte Chemie, Int. Ed.*, **49**, 10068-10073 (2010).
- 48) T. Suzuki, S. Kobayashi\*  
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*Organic Letters*, **12**, 2920-2923 (2010).
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“Second-generation Total Synthesis of (-)-Diversifolin”  
*Tetrahedron Letters*, **51**, 1876-1879 (2010).
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*Tetrahedron Letters*, **50**, 5372-5375 (2009).
- 51) K. C. Nicolaou\*, S. M. Dalby, S. Li, T. Suzuki, D. Y.-K. Chen\*  
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