

原著論文

1. Nagae, T.; Fujita, Y.; Tsuchida, T.; Kamo, T.; Seto, R.; Hamada, M.; Aoyama, H.; Sato-Tomita, A.; Fujisawa, T.; Eki, T.; Miyanoiri, Y.; Ito, Y.; Soeta, T.; Ukaji, Y.; Unno, M.; Mishima, M.; Hirose, Y. Green/Red Light-Sensing Mechanism in the Chromatic Acclimation Photosensor. *Science Advances* **2024**, *10* (24), eadn8386. <https://doi.org/10.1126/sciadv.adn8386>.
2. Maeba, T.; Hirata, K.; Kotoku, M.; Seki, N.; Maeda, K.; Hirashima, S.; Yamanaka, H.; Sakai, T.; Obika, S.; Hori, A.; Hara, Y.; Noji, S.; Suwa, Y.; Yokota, M.; Fujioka, S.; Yamaguchi, T.; Katsuda, Y.; Hata, T.; Miyagawa, N.; Arita, K.; Nomura, Y.; Taniguchi, T.; Asahina, K.; Aratsu, Y.; Naka, Y.; Adachi, T.; Nomura, A.; Akai, S.; Oshida, S.-I.; Pai, S.; Crowe, P.; Bradley, E.; Steensma, R.; Tao, H.; Fenn, M.; Babine, R.; Li, X.; Thacher, S.; Soeta, T.; Ukaji, Y.; Shiozaki, M. Discovery and SAR of JTE-151: A Novel ROR γ Inhibitor for Clinical Development. *J. Med. Chem.* **2024**, *67* (2), 952–970. <https://doi.org/10.1021/acs.jmedchem.3c01933>.
3. Soeta, T. ; Yao, S.; Sugiyama, H.; Ukaji, Y. Silylacetate-Promoted Addition Reaction of Isocyanides to Nitrones: Effective Synthesis of C(1)-Carboxamide Derivatives. *Org. Biomol. Chem.* **2024**, *22* (8), 1619–1623. <https://doi.org/10.1039/d3ob01777j>.
4. Ohno, H.; Takahashi, R.; Suga, T.; Soeta, T.; Ukaji, Y. *Org. Biomol. Chem.* **2023**, *21*, 7891–7894.
5. Sato, Y.; Ukei, T.; Tsugeno, H.; Suga, T.; Soeta, T.; Ukaji, Y. *Synthesis*, **2023**, *55*, 3342–3348.
6. Molecular Assembly and Gelating Behavior of (L)-Alanine Derivatives Soeta, T.; Kurobe, S.; Nirei, Y.; Kurokawa, N.; Wei, W.; Yurtsever, A.; Fukuma, T.; Ukaji, Y. *Chem. Eur. J.* **2023**, e202300455.
7. Formal Methylene Insertion into the C–H Bond of α -Carbonyl Aldonitrones with Dimethylsulfoxonium Methylide. Sakurai, T.; Yano, T.; Suga, T.; Soeta, T.; Ukaji, Y. *Bull. Chem. Soc. Jpn.* **2022**, *95*, 1518–1520.
8. Hydroxy Group-Directed Diastereoselective Paterno–Büchi Reaction between Arylglyoxylates and Furfuryl Alcohols. Wei, Q.; Ii, H.; T. Suga, T.; Soeta, T.; Maeda, H.; Ukaji, Y. *Chem. Lett.* **2022**, *51*, 1143–1145.
9. *N*-Heterocyclic Carbene-Catalyzed Chemoselective Monoacylation of 1,*n*-Linear Diols. Soeta, T.; Kaneta, K.; Hatanaka, Y.; Ida, T.; Ukaji, Y. *Org. Lett.* **2021**, *23*, 8138–8142.
10. Development of multi-functional NHC Catalysts bearing pyridine moiety: Application to Catalytic Asymmetric Reactions. Soeta, T.; Ukaji, Y. *J. Synth. Org. Chem. Jpn.* **2020**, *78*, 338–349.

11. Synthesis of 3,6-Dihydro-2H-1,2-oxazines via Dimethylsulfoxonium Methylide to α,β -Unsaturated Nitrones. Hasegawa, M.; Suga, T.; Soeta, T.; Ukaji, Y. *J. Org. Chem.* **2020**, *85*, 11258–11264.
12. Synthesis of Optically Active γ -Lactams by Palladium Catalyzed Asymmetric Dicarbonylation Reaction of *N*-Arylsulfonyl Homoallylic Amines. R. Takahashi, N. H. T. Phan, T. Suga, T. Soeta, Y. Ukaji, *Heterocycles* **2019**, *98*, 1044–1054.
13. Chiral NHC Ligands Bearing a Pyridine Moiety in Copper-Catalyzed Addition of Diethylzinc to Nitroalkenes. Soeta, T.; Hatanaka, Y.; Ishizaka, T.; Ukaji, Y. *Tetrahedron*, **2018**, *74*, 4601–4605.
14. Synthesis of Sterically Fixed Phytochrome Chromophore Derivatives bearing a *15E-anti* fixed or *15E-fixed* CD-Ring Component. Soeta, T.; Ohashi, N.; Kobayashi, T.; Sakata, Y.; Suga, T.; Ukaji, Y. *J. Org. Chem.* **2018**, *83*, 10743–10748.
15. Phenylphosphinic Acid-Promoted Addition of Isocyanides to 1-Methoxyisochroman Derivatives. Soeta, T.; Matsuzaki, S.; Ukaji, Y. *Heterocycles*, **2018**, *97*, 355–364.
16. Development of a Synthetic Method for Multifunctionalized Pyrroles Using Isocyanide Dichloride as a Key Intermediate Soeta, T.; Matsumoto, A.; Ukaji, Y. *J. Org. Chem.* **2018**, *83*, 4831–4834.
17. Regioselective Introduction of Substituents to the *meso*-Position of Pyrromethanone derivative – Application to the Synthesis of Sterically Fixed Phytochrome Chromophore Anchored to the C15 *meso*-Position. Tanaka, Y.; Iwamoto, R. Sakata, R.; Soeta, T.; Endo, K.; Fujinami, S.; Inomata, K.; Ukaji, Y. *Heterocycles* **2017**, *94*, 1623–1624.
18. Asymmetric cross-benzoin condensation promoted by chiral triazolium precatalyst bearing a pyridine moiety. Soeta, T.; Mizuno, S.; Hatanaka, Y.; Ukaji, Y. *Tetrahedron*, **2017**, *73*, 3430–3437.
19. Development of a One-Pot Synthetic Method for Multifunctional Oxazole Derivatives Using Isocyanide Dichloride. Soeta, T.; Matsumoto, A.; Sakata, Y.; Ukaji, Y. *J. Org. Chem.* **2017**, *82*, 4930–4935.
20. Formal Total Synthesis of Manzacidin C Based on Asymmetric 1,3-Dipolar Cycloaddition of Azomethine Imines. Tong, T. M. T.; Soeta, T.; Suga, T.; Kawamoto, K.; Hayaahi, Y.; Ukaji, Y. *J. Org. Chem.* **2017**, *82*, 1969–1976.
21. Palladium-Catalyzed C-H Alkenylation of C-Aryl Nitrones. Hasegawa, M.; Nomoto, A.; Suga, T.; Soeta, T.; Ukaji, Y. *Chem. Lett.* **2017**, *46*, 46–47.
22. Effective synthesis of Benzothiophenes by [4+1] Cycloaddition of 2-Mercaptobenzaldehyde Derivatives with Isocyanides. Soeta, T.; Shitaya, S.; Okuno, T.; Fujinami, S.; Ukaji, Y. *Tetrahedron* **2016**, *72*, 7901–7905.

23. Palladium-Catalyzed Intermolecular Alkoxy-Alkoxyacylation of Vinylphenols in the Presence of Copper Salt: Unexpected Cooperative Effect of Tin Salt. Phan, N. H. T.; Furuya, T.; Soeta, T.; Ukaji, Y. *Chem. Lett.* **2016**, *45*, 1431–1433.
24. Ugi-type Multicomponent Reaction of Nitrile Imines, Isocyanides, and Isocyanates: Effective Synthesis of 1,2,4-Triazinedione Derivatives. Soeta, T.; Takashita, S.; Sakata, Y.; Ukaji, Y. *Asian J. Org. Chem.* **2016**, *5*, 1041–1047.
25. Magnesium-Alkoxide Directed Photoaddition of Tetrahydrofurans to γ,γ -Disubstituted Allylic Alcohols. Watanabe, Y.; Sakai, T.; Maeda, H.; Segi, M.; Soeta, T.; Ukaji, Y. *Heterocycles*, **2016**, *93*, 833–844.
26. Phosphinic acid-promoted addition reaction of isocyanides to (Z)-hydroximoyl chlorides: efficient synthesis of α -(hydroxyimino)amides. Soeta, T.; Takashita, S.; Sakata, Y.; Ukaji, Y. *Org. Biomol. Chem.* **2016**, 694–700.
27. Chiral NHC Ligands Bearing a Pyridine Moiety in Copper-Catalyzed 1,2-Addition of Dialkylzinc Reagents to β -Aryl- α,β -unsaturated *N*-Tosylaldimines. Soeta, T.; Ishizaka, T.; Ukaji, Y. *J. Org. Chem.* **2016**, *81*, 2817–2826.
28. Pre-steady-state kinetic studies of redox reactions catalysed by *Bacillus subtilis* ferredoxin-NADP(+) oxidoreductase with NADP(+)/NADPH and ferredoxin. Seo, D.; Soeta, T.; Sakurai, T.; Sakurai, H.; Setif, P. *Biochim. Biophys. Acta.* **2016**, *1857*, 678–687.
29. Palladium-Catalyzed Intermolecular Alkoxy-Alkoxyacylation of Vinylphenols in the Presence of Copper Salt: Unexpected Cooperative Effect of Tin Salt. Phan, N. H. T.; Furuya, T.; Soeta, T.; Ukaji, Y. *Chem. Lett.* **2016**, *45*, 1431–1433.
30. A One-Pot *O*-Sulfinative Passerini/Oxidation Reaction: Efficient Synthesis of α -(Sulfonyloxy)amide. Soeta, T.; Matsuzaki, S.; Ukaji, Y. *J. Org. Chem.* **2015**, *80*, 3688–3694.
31. One-Carbon Homologation of Pyrrole Carboxaldehyde via Wittig Reaction and Mild Hydrolysis of Vinyl Ether — Toward the Synthesis of a Sterically Locked Phytochrome. Sakata, R.; Soeta, T.; Ukaji, Y. *Heterocycles* **2015**, *91*, 593–603.
32. Development of New Synthetic Methods for Heterocycles Utilizing 1,3-Dipoles. Soeta, T.; Ukaji, Y. *J. Synth. Org. Chem. Jpn.* **2015**, *73*, 65–75.
33. Regioselective Introduction of Substituents to the *meso*-Position of Pyrromethanone derivative — Application to the Synthesis of Sterically Fixed Phytochrome Chromophore Anchored to the C15 *meso*-Position. Tanaka, Y.; Iwamoto, R. Sakata, R.; Soeta, T.; Endo, K.; Fujinami, S.; Inomata, K.; Ukaji, Y. *Heterocycles* **2015**, *91*, 883–892.
34. (Z)-Selective Enol Triflation of α -Alkoxyacetaldehydes: Application to Synthesis of (Z)-Allylic Alcohols via Cross-Coupling Reaction and [1,2]-Wittig Rearrangement. Kurosawa, F.; Nakano,

- T. Soeta, T.; Endo, K.; Ukaji, Y. *J. Org. Chem.* **2015**, *80*, 5696–5703.
35. Chiral NHC Ligands Bearing a Pyridine Moiety for the Copper-Catalyzed Alkylation of *N*-Sulfonylimines with Dialkylzinc Reagents. Soeta, T.; Ishizaka, T.; Tabatake, Y.; Ukaji, Y. *Chem. Eur. J.* **2014**, *20*, 16773–16778.
36. Ring Enlargement Reaction of *C,N*-Cyclic-*N'*-Acyl Azomethine Imines with Sulfonium Ylide: An Efficient Synthesis of 3-Benzazepine Derivatives. Soeta, T.; Ohgai, T.; Sakai, T.; Fujinami, S.; Ukaji, Y. *Org. Lett.* **2014**, *16*, 4854–4857.
37. Lewis Acid Catalyzed [3+1+1] Cycloaddition of Azomethine Ylides with Isocyanides. Soeta, T.; Miyamoto, Y.; Fujinami, S.; Ukaji, Y. *Tetrahedron*, **2014**, *70*, 6623–6629. (査読有)
38. [4+1] Cycloaddition of *N*-Acyl Imine Derivatives with Isocyanides: Efficient Synthesis of 5-Aminooxazoles and 5-Aminothiazoles. Soeta, T.; Tamura, K.; Ukaji, Y. *Tetrahedron*, **2014**, *70*, 3005–3010.
39. A One-Pot *O*-Phosphinative Passerini/Pudovik Reaction: Efficient Synthesis of Highly Functionalized α -(Phosphinyloxy)amide Derivatives. Soeta, T.; Matsuzaki, S.; Ukaji, Y. *Chem. Eur. J.* **2014**, *20*, 5007–5012.
40. Desymmetrization of 1,4-Pentadien-3-ol by the Asymmetric 1,3-Dipolar Cycloaddition of Azomethine Imines. Yoshida, M.; Sassa, N.; Kato, T.; Fujinami, S.; Soeta, T.; Inomata, K.; Ukaji, Y. *Chem. Eur. J.* **2014**, *20*, 2058–2064.
41. Carboxylic Acid Free Novel Isocyanide Based Reaction. Soeta, T.; Ukaji, Y. *Chem. Rec.* **2014**, *14*, 101–116.
42. Magnesium–Tartramide Complex Mediated Asymmetric Strecker-Type Reaction of Nitrones Using Cyanohydrin. Sakai, T.; Soeta, T.; Endo, K.; Fujinami, S.; Ukaji, Y. *Org. Lett.* **2013**, *15*, 2422–2425.
43. *N*-Heterocyclic Carbene Catalyzed Oxidative Coupling of Aldehydes with Carbodiimides under Aerobic Conditions: Efficient Synthesis of *N*-Acylureas. Soeta, T.; Tabatake, Y.; Fujinami, S.; Ukaji, Y. *Org. Lett.* **2013**, *15*, 2088–2091.
44. Three-Components Reaction of *C,N*-cyclic *N'*-acyl azomethine imines, Isocyanide, and Azide Compounds: Effective Synthesis of 1,5-Disubstituted Tetrazoles bearing Tetrahydeisoquinoline Skeletons. Soeta, T.; Tamura, K.; Ukaji, Y. *Org. Biomol. Chem.* **2013**, *11*, 2168–2174.
45. One-pot Stereoselective Syntheses of 2-Acylaziridines and 2-Acylpyrrolidines from *N*-(Propargylic)hydroxylamines. Miyamoto, Y.; Wada, N.; Soeta, T.; Fujinami, S.; Inomata, K.; Ukaji, Y. *Chem. Asian. J.* **2013**, *8*, 824–831. (査読有)
46. Stereoselective Synthesis of (*2Z,4E*)-2,4-Pentadien-1-ols via Sequential 1,4-Elimination Reaction and [1,2]-Wittig Rearrangement Starting from (*E*)-4-Alkoxy-2-butenyl Benzoates. Nakano, T.;

- Soeta, T.; Endo, K.; Inomata, K.; Ukaji, Y. *J. Org. Chem.* **2013**, *78*, 12654–12661.
47. Direct Oxidation of 4-Methylpyrrole-2-carboxylates with DDQ in the presence of a Glycol. Takahashi, K.; Iwamoto, R.; Sakata, R.; Soeta, T.; Inomata, K.; Ukaji, Y. *Heterocycles*, **2012**, *86*, 1031–1038.
48. Asymmetric Intramolecular Stetter Reaction Catalyzed by the Chiral Triazolium Precatalyst Bearing a Pyridine Moiety. Soeta, T.; Tabatake, Y.; Ukaji, Y. *Tetrahedron*, **2012**, *49*, 10188–10983.
49. The Chlorosilane-Promoted Addition Reaction of Isocyanide to 3,4-Dihydroisoquinoline *N*-Oxides. Soeta, T.; Fujinami, S.; Ukaji, Y. *J. Org. Chem.* **2012**, *77*, 9878–9883.
50. Molecular Dynamics of Octyl Urea Crystals Analyzed by Solid-State NMR. Ohashi, R.; Wakabayashi, G.; Mizuno, M.; Soeta, T.; Hashimoto, M. Yamamura, K. *Chem. Lett.* **2012**, *41*, 1433–1435.
51. Structure-Based Design, Synthesis and Characterization of Dual Hotspot Small-Molecule HIV-1 Entry Inhibitors. LaLonde, J. M.; Kwon, Y. D.; Jones, D. M.; Sun, A. W.; Courter, J. R.; Soeta, T.; Kobayashi, T.; Princiotto, A. M.; Wu, X.; Schon, A.; Freire, E.; Kwong, P. D.; Mascola, J. R.; Sodroski, J.; Madani, N.; Smith, A. B. III. *J. Med. Chem.* **2012**, *55*, 4382–4396.
52. Strecker-type reaction of nitrones using cyanohydrin. Sakai, T.; Soeta, T.; Inomata, K.; Ukaji, Y. *Bull. Chem. Soc. Jpn.* **2012**, *85*, 231–235.
53. [5+1] Cycloaddition of *C*, *N*-Cyclic *N'*-Acyl Azomethine Imines with Isocyanides. Soeta, T.; Tamura, K.; Ukaji, Y. *Org. Lett.* **2012**, *14*, 1226–1229.
54. Asymmetric Benzoin Condensation Promoted by Chiral Triazolium Precatalyst Bearing a Pyridine Moiety. Soeta, T.; Tabatake, Y.; Ukaji, Y.; Inomata, K*. *Tetrahedron*, **2012**, *68*, 894–899.
55. Design, synthesis and biological evaluation of small molecule inhibitors of CD4-gp120 binding based on virtual screening. Lalonde, J. M.; Elban, M. A.; Courter, J. R.; Sugawara, A.; Soeta, T.; Madani, N.; Princiotto, A. M.; Kwon, Y. D.; Kwong, P. D.; Schon, A.; Freire, E.; Sodroski, J.; Smith, A. B. III., *Bioorg. Med. Chem.* **2011**, *19*, 91–101.
56. Borinic Acid Catalyzed α -Addition of Isocyanide with Aldehydes and Water. Soeta, T.; Kojima, Y.; Ukaji, Y.; Inomata, K. *Tetrahedron Lett.* **2011**, *52*, 2557–2559.
57. *O*-Silylative Passerini Reaction: A New One-Pot Synthesis of α -Siloxyamides. Soeta, T.; Kojima, Y.; Ukaji, Y.; Inomata, K. *Org. Lett.* **2010**, *12*, 4341–4343.
58. Nitrile Ylides: Diastereoselective Cycloadditions Using Chiral Oxzolidinones Without Lewis Acid. Sibi, M. P.; Soeta, T.; Jasperse, C. J. *Org. Lett.* **2009**, *11*, 5366–5369.
59. Chiral Amidophosphane-Rhodium(I)-Catalyzed Asymmetric Conjugate Arylation of Acyclic

- Enones with Arylboronic Acids. Chen, Q.; Kuriyama, M.; Hao, X.; Soeta, T.; Yamamoto, Y.; Yamada, K.; Tomioka, K. *Chem. Pharm. Bull.* **2009**, *57*, 1024-1027.
60. Small-Molecule CD4 Mimics Interact with a Highly Conserved Pocket on HIV-1 gp 120. Madani, N.; Schon, A.; Princiotta, A. M.; Lalonde, J. M.; Courter, J. R.; Soeta, T.; Ng, D.; Wang, L.; Brower, E. T.; Xiang, S.-H.; Kwon, Y. D.; Huang, C.-C.; Wyatt, R.; Kwong, P. D.; Freire, E.; Smith, A. B., III; Sodroski, J. *Structure* **2008**, *16*, 1689–1701.
61. Copper(II) Catalyzed Exo and Enantioselective Cycloaddition of Azomethine imines. Sibi, M. P.*; Rane, D.; Stanley, L. M.; Soeta, T. *Org. Lett.* **2008**, *10*, 2971-2974.
62. Amidophosphane-Copper(I)-Catalyzed Asymmetric Conjugate Addition of Dialkylzinc Reagents to Racemic 6-Substituted Cyclohexenones to Form 2,5-Di- and 2,2,5-Trisubstituted Cyclohexanones. Selim, K.; Soeta, T.; Yamada, K.; Tomioka, K. *Chem. Asian. J.* **2008**, *3*, 342-350.
63. Enantioselective 1,3-Dipolar Cycloadditions of Diazoacetates with Electron-Deficient Olefines. Sibi, M. P.*; Stanley, L. M.; Soeta, T. *Org. Lett.* **2007**, *9*, 1553–1556. Also, *Synfact*, **2007**, *6*, 605. **Synfact of the Month.**
64. Enantioselective Conjugate Addition of Hydrazines to α,β -Unsaturated Imides. Synthesis of Chiral Pyrazolidinones. Sibi, M. P.*; Soeta, T. *J. Am. Chem. Soc.* **2007**, *129*, 4522-4523.
65. Kinetic Resolution of 5-Substituted Cycloalkenones by Peptidic Amidophosphane-Copper-Catalyzed Asymmetric Conjugate Addition of Dialkylzinc. Soeta, T.; Selim, K.; Kuriyama, M.; Tomioka, K. *Tetrahedron* **2007**, *63*, 6573–6576.
66. Peptidic Amidomonophosphane Ligand for Copper-Catalyzed Asymmetric Conjugate Addition of Diorganozinc to Cyclohexenones. Soeta, T.; Selim, K.; Kuriyama, M.; Tomioka, K. *Adv. Synth. Catal.* **2007**, *349*, 629–635.
67. Efficient Catalytic Asymmetric Synthesis of *trans*-2-Substituted 5-Arylcyclohexanones by Rhodium-Catalyzed Conjugate Addition of Racemic 6-Substituted Cyclohexenones. Chen, Q.; Soeta, T.; Kuriyama, M.; Yamada, K.; Tomioka, K. *Adv. Synth. Catal.* **2006**, *348*, 2604-2608.
68. Enantioselective 1,3-Dipolar Cycloaddition of Nitrile Imines to α -Substituted and α,β -Disubstituted α,β -Unsaturated Carbonyl Substrates: A Method for Synthesizing Dihydropyrazoles Bearing a Chiral Quaternary Center. Sibi, M. P.*; Stanley, L. M.; Soeta, T.; *Adv. Synth. Catal.* **2006**, *348*, 2371-2375.
69. Asymmetric Synthesis of 5-Arylcyclohexanones by Rhodium(I)-Catalyzed Conjugate Addition of Racemic 5-(Trimethylsilyl)cyclohexenone with Arylboronic Acids. Chen, Q.; Kuriyama, M.; Soeta, T.; Hao, X.; Yamada, K.; Tomioka, K. *Org. Lett.* **2005**, *7*, 4439-4441.
70. Chiral Amidophosphane-Copper-Catalyzed Asymmetric Conjugate Addition of Dialkylzinc to

- Nitroalkenes. Valleix, F.; Nagai, K.; Soeta, T.; Kuriyama, M.; Yamada, K.; Tomioka, K. *Tetrahedron* **2005**, *61*, 7420–7424.
71. Catalytic Asymmetric Conjugate Addition of Dialkylzinc Reagents to β -Aryl- α,β -unsaturated *N*-2,4,6-Triisopropylphenylsulfonylaldimines with Use of *N*-Boc-L-Val-Connected Amidophosphane-Copper(I) Catalyst. Soeta, T.; Kuriyama, M.; Tomioka, K. *J. Org. Chem.* **2005**, *70*, 297–300.
72. *N*-Boc-L-Valine-Connected Amidomonophosphane-Rhodium(I) Catalyst for Asymmetric Arylation of *N*-Tosylarylimines with Arylboroxines. Kuriyama, M.; Soeta, T.; Hao, X.; Chen, Q.; Tomioka, K. *J. Am. Chem. Soc.* **2004**, *126*, 8128–8129.
73. Asymmetric Alkylation of *N*-Toluenesulfonylimines with Dialkylzinc Reagents Catalyzed by Copper-Chiral Amidophosphine. Soeta, T.; Nagai, K.; Fujihara, H.; Kuriyama, M.; Tomioka, K. *J. Org. Chem.*, **2003**, *68*, 9723–9727.

著書

2. “Methods and Applications of Cycloaddition Reactions in Organic Syntheses.” Chap.11, Development of New Methods for the Construction of Heterocycles Based on Cycloaddition Reaction of 1,3-Dipoles. **Takahiro Soeta**, Yutaka Ukaji. **2013**. Wiley
1. *Comprehensive Chirality*,” Chap. 4.06. Acetogenin (Polypropionate) Derived Auxiliaries/Tartaric Acid. **Takahiro Soeta**, Yutaka Ukaji. **2011**, Elsevier.

特許

2. Preparation of phenyloxalamide derivatives for use as CD4 mimetics. Joseph Sodroski, Navid Madani, Arne Schon, Judith M Londe La, Joel R Courter, **Takahiro Soeta**, Danny Ng, Ernesto Freire, Amos B Smith III. PCT Int. Appl. (2010), 130pp. CODEN: PIXXD2 WO 2010053583 A220100514
1. Sodroski, J.; Lalonde, J. M.; Smith, A. B., III; Kwong, P. D.; Kwon, Y. D.; Jones, D. M.; Sun, A. W.; Courter, J. R.; Soeta, T.; Kobayashi, T.; Princiotta, A. M.; Wu, X.; Mascola, J. R.; Schon, A.; Freire, E.; Madani, N.; Le-Khac, M.; Hendrickson, W. A. Preparation of indene compounds as CD4-mimetic inhibitors of HIV-1 entry and methods of therapeutic use thereof. WO2013090696A1, 2013.

受賞歴，外部資金獲得状況，招待講演，教育実績など

添田貴宏

受賞

- 1) 2011 年度有機合成化学協会研究企画賞（中外製薬企画賞）
- 2) 第 15 回有機合成化学協会関西支部賞
（カルベンの特異性を活用した革新的分子変換法の開発）
受賞年月日：2017 年 7 月 20 日

招待講演

高立体選択的含窒素複素環構築反応の開発
（日本薬学会東海支部特別講演会，岐阜薬科大学，2008 年 12 月）

外部研究資金獲得実績

- （1）科学研究費補助金（年度，研究種目，研究課題名，代表・分担等）

科学研究費補助金 基盤研究（C）

研究期間：平成 29～31 年度

研究課題名：「イソシアニドと共役拡張型 1,3-双極子による高効率の複素環合成手法の開発」

研究代表者：添田貴宏

直接経費：3,700,000 円

科学研究費補助金 若手研究（B）

研究期間：平成 27～28 年度

研究課題名：「イソシアニド型電子不足炭素活性種を基盤とする多官能性複素環化合物の

効率的合成」

研究代表者：添田貴宏

直接経費：3,300,000 円

科学研究費補助金 若手研究（B）

研究期間：平成 24～25 年度

研究課題名：「革新的なイソシアニドの付加-捕捉手法を基盤とする合成反応の新展開」

研究代表者：添田貴宏

直接経費：3,620,000 円

科学研究費補助金 若手研究（スタートアップ）

研究期間：平成 20～21 年度

研究課題名：「高効率的な触媒的不斉多成分反応の開発」

研究代表者：添田貴宏

直接経費：2,520,000 円

(2) 政府出資金事業等（年度,事業名,出資機関名,代表・分担等）

研究成果展開事業 研究成果最適展開支援プログラム A-STEP

フィージビリティスタディステージ

研究期間：平成 22 年 10 月～23 年 3 月

研究課題名：「アミド型新薬創出を目的とする高効率的な触媒的不斉多成分反応の開発」

研究代表者：添田貴宏

直接経費：910,000 円

(3) 企業・財団等の助成金（賞）（年度,企業・財団等名,研究題目,事業名又は賞名,
代表・分担等）

公益財団法人 三谷研究開発支援財団助成金

研究期間：平成 30 年度

研究課題名：「多機能性低分子ゲル化剤の開発と、超分子ゲルへの応用」

研究代表者：添田貴宏

直接経費：1,000,000 円

平成 23 年度有機合成化学協会研究企画賞（中外製薬企画賞）

研究代表者：添田貴宏

直接経費：500,000 円

(4) その他

金沢大学重点戦略経費

研究期間：平成 23 年度

研究課題名：「イソシアニドを活用する新規な触媒的不斉反応の開発」

研究代表者：添田貴宏

直接経費：300,000 円

「金沢大学若手研究者シーズ発表会」発表の研究助成

研究期間：平成 23 年度

研究課題名：「多成分反応が拓くアミド型新薬創出を指向した有機合成化学」

研究代表者：添田貴宏

助成金：250,000 円

金沢大学重点戦略経費

研究期間：平成 22 年度

研究課題名「金属アルジミンを鍵中間体とする触媒的不斉多成分反応の開発」

研究代表者：添田貴宏

直接経費：500,000 円

- (1) Maeba, T.; Hirata, K.; Kotoku, M.; Seki, N.; Maeda, K.; Hirashima, S.; Yamanaka, H.; Sakai, T.; Obika, S.; Hori, A.; Hara, Y.; Noji, S.; Suwa, Y.; Yokota, M.; Fujioka, S.; Yamaguchi, T.; Katsuda, Y.; Hata, T.; Miyagawa, N.; Arita, K.; Nomura, Y.; Taniguchi, T.; Asahina, K.; Aratsu, Y.; Naka, Y.; Adachi, T.; Nomura, A.; Akai, S.; Oshida, S.-I.; Pai, S.; Crowe, P.; Bradley, E.; Steensma, R.; Tao, H.; Fenn, M.; Babine, R.; Li, X.; Thacher, S.; Soeta, T.; Ukaji, Y.; Shiozaki, M. Discovery and SAR of JTE-151: A Novel ROR γ Inhibitor for Clinical Development. *J. Med. Chem.* **2024**, *67* (2), 952–970. <https://doi.org/10.1021/acs.jmedchem.3c01933>.
- (2) Soeta, T.; Yao, S.; Sugiyama, H.; Ukaji, Y. Silylacetate-Promoted Addition Reaction of Isocyanides to Nitrones: Effective Synthesis of C(1)-Carboxamide Derivatives. *Org. Biomol. Chem.* **2024**, *22* (8), 1619–1623. <https://doi.org/10.1039/d3ob01777j>.