

平成23年度 研究業績

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1. 発表論文等 (査読付き論文, 著書, 総説等の発表状況)

(1) Indium-mediated Reformatsky-Claisen rearrangement

Ishihara, J.; Watanabe, Y.; Koyama, N.; Nishino, Y.; Takahashi, K.; Hatakeyama, S.*
Tetrahedron **2011**, *67*, 3659-3667.

(2) Synthesis of 1-Deoxyeldecalsitol, a Biologically Interesting Analog of 1 α ,25-Dihydroxy-2 β -(3-hydroxypropoxy)vitamin D₃ (Eldecalsitol)

Sasaki, H.; Eto, K.; Takahashi, K.; Ishihara, J.; Hatakeyama, S.; Kubodera, N.*
Heterocycles **2011**, *83*, 1385-1394.

(3) Total Synthesis of NW-G01, a Cyclic Hexapeptide Antibiotic, and 34-epi-NW-G01

Shibahara, S.; Matsubara, T.; Takahashi, K.; Ishihara, J.; Hatakeyama, S.*
Org. Lett. **2011**, *13*, 4700-4703.

(4) Total Synthesis of Oxazolomycin A

Eto, K.; Yoshino, M.; Takahashi, K.; Ishihara, J.; Hatakeyama, S.*
Org. Lett. **2011**, *13*, 5398-5401.

(5) Process Development for the Practical Production of Eldecalsitol by Linear, Convergent and Biomimetic Syntheses

Kubodera, N.; Hatakeyama, S.
Anticancer Res. **2012**, *32*, 303-310.

(6) Total Synthesis of (-)-Kaitocephalin Based on a Rh-Catalyzed C-H Amination

Takahashi, K.; Yamaguchi, D.; Ishihara, J.; Hatakeyama, S.*
Org. Lett. **2012**, *14*, 1644-1647.

[著書]

(Aza)-Morita-Baylis-Hillman Reactions

Hatakeyama, S. In *Science of Synthesis: Asymmetric Organocatalysis I*; List, B. Ed.; George Thieme Verlag: Stuttgart, 2011, 2011/5, 1.1.16, pp 673-721.

2. 学会発表等 (国内外の招待講演および国際会議での発表状況)

(1) A New Variant of Reformatsky-Claisen Rearrangement Mediated by Indium Chloride

Ishihara, J.; Watanabe, Y.; Koyama, N.; Nishino, Y.; Takahashi, K.; Hatakeyama, S.
22nd French-Japanese Symposium of Medicinal and Fine Chemistry, Rouen, France, 2011. 9.11-14, (ポスター発表) .

(2) Organocatalytic Asymmetric Synthesis of Inthomycin A, B and C

Eto, K.; Yoshino, M.; Takahashi, K.; Ishihara, J.; Hatakeyama, S. 8th AFMC International Medicinal Chemistry Symposium, Tokyo, Japan, 2011.11.29-12.2 (口頭発表) .

(3) Process Development for the Practical Production of Eldecalcitol by Linear, Convergent and Biomimetic Syntheses

Kubodera, N.; Hatakeyama, S. The 4th International Symposium on Vitamin D and Analogs in Cancer Prevention and Therapy, Homburg/Saar, Germany, 2011.5.20-21 (ポスター発表) .

5. 受賞等

(1) 江藤康平 (博士2年)

優秀発表賞、第9回次世代を担う有機化学シンポジウム、日本薬学会化学系薬学部会、2011.5.28