

資源開発研究部門

Medicinal Resources

天然物化学分野

Natural Products Chemistry

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◆ 原 著

- 1) Mori T, Awakawa T, Shimomura K, Saito Y, Yang D, Morita H, Abe I. Structural insight into the enzymatic formation of bacterial stilbene. *Cell Chem Biol.* 2016 Dec; 23(12): 1468-79.
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- 4) Win NN, Ito T, Win YY, Ngwe H, Kodama T, Abe I, Morita H. Quassinoids: Viral protein R inhibitors from *Picrasma javanica* bark collected in Myanmar. *Bioorg Med Chem Lett.* 2016 Oct; 26(19): 4620-4.
- 5) Nguyen HM*, Ito T, Win NN, Kodama T, Hung VQ, Nguyen HT, Morita H. New antibacterial sesquiterpene aminoquinones from a Vietnamese marine sponge of *Spongia* sp. *Phytochemistry Lett.* 2016 Sep; 17: 288-92.
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- 11) Awouafack MD, Tchuenguem RT, Ito T, Dzoyem JP, Tane P, Morita H. A new isoflavanol from the fruits of *Kotschya strigosa* (Fabaceae). *Helv Chim Acta.* 2016 Apr; 99(4): 321-4.
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◆ 学会報告

- 1) Morita H. Manipulation of plant polyketide-producing enzymes to produce new compounds. The 1st International Conference on Environmental Science and Pollution for 96th Anniversary of University of Yangon; 2016 Dec 12-13; Yangon. (Keynote lecture)
- 2) Morita H. Structure basis for novel plant polyketide cyclase. The 6th International Symposium in Phytochemicals - Bioactivities and Disease Prevention of Phytochemicals and Natural Products for Health; 2016 Nov 25-26; Chiayi. (Invited lecture)
- 3) Woo S*, Win NN, Ito T, Morita H. Anti-influenza activity of extracts from the stems of *Jatropha multifida* collected in Myanmar. The 6th International Symposium in Phytochemicals - Bioactivities and Disease Prevention of Phytochemicals and Natural Products for Health; 2016 Nov 25-26; Chiayi.
- 4) Morita H. Manipulation of plant polyketide-producing enzymes to produce new compounds. International Meeting 2016 of the Plant Resources Society of Korea; 2016 Sep 29; Jecheon. (Invited lecture)
- 5) Woo S*, Ito T, Win NN, Masuda A, Ngwe H, Kuzuhara T, Morita H, Shoji M. Anti-influenza activity of extracts from the stems of *Jatropha multifida* collected in Myanmar. International Meeting 2016 of the Plant Resources Society of Korea; 2016 Sep 29; Jecheon. (Invited lecture)
- 6) Morita H. Crystal structure analysis of novel plant cyclase. Korea-China-Japan Joint Symposium in Pharmaceutical Sciences; 2016 Sep 28; Jecheon. (Invited lecture)
- 7) Woo S*. Anti-influenza activity of extracts from the stems of *Jatropha multifida* collected in Myanmar. Korea-China-Japan Joint Symposium in Pharmaceutical Sciences; 2016 Sep 28; Jecheon.
- 8) Ito T. Biological active constituents from traditional medicinal plants in Southeast Asia. The First International Symposium on Toyama-Asia-Africa Pharmaceutical Network; 2016 Sep 12-13; Toyama.
- 9) Nguyen HM*, Ito T, Win NN, Kodama T, Hung VQ, Nguyen HT, Morita H. New antibacterial sesquiterpene aminoquinones from a Vietnamese marine sponge of *Spongia* sp. The First International Symposium on Toyama-Asia-Africa Pharmaceutical Network; 2016 Sep 12-13; Toyama.
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- 12) Morita H. Prenylation of alkaloids by exploiting indole prenyltransferase for drug discovery. 55th Anniversary of National Institute of Medicinal Material Conference; 2016 Apr 13-14; Hanoi. (Invited lecture)
- 13) Morita H. Crystal structure analysis of the novel plant polyketide cyclase. International Conference on Natural Products (ICNP) 2016; 2016 Mar 15-17; Kuala Terengganu. (Invited lecture)
- 14) Morita H. Structural basis for novel plant polyketide cyclase. 32nd International Annual Meeting in Pharmaceutical Sciences; 2016 Mar 10-11; Chulalongkorn. (Invited lecture)
- 15) 松井 崇, 楊 新美, 周 曉希, 児玉 猛, 森 貴裕, 野口博司, 阿部郁朗, 森田洋行. アサ由来ポリケタイド閉環酵素のポリケタイド閉環機構の解明. 日本結晶学会平成 28 年度年会および会員総会 ; 2016 Nov 18 ; 水戸.

- 16) 松井 崇. 細菌の細胞分裂を阻害する天然有機化合物の探索. Toyama Science GALA 2016 ; 2016 Sep 30 ; 富山.
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- 18) 森田洋行, 楊 新美, 松井 崇, 児玉 猛, 森 貴裕, 周 曉希, 野口博司, 阿部郁朗. アサ由来ポリケタイド閉環酵素の X 線結晶構造解析. 日本薬学会第 136 年会 ; 2016 Mar 27-29 ; 横浜.
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◆ その他

- 1) Morita H. Manipulation of plant polyketide-producing enzymes to produce new compounds. Seminar on The Natural Products Research Institute at Seoul National University; 2016 Sep 30; Seoul. (Lecture)
- 2) Ito T. Phytochemical study on *Baeckea frutescens* collected in Indonesia and biosynthesis study on Asukamycin. 2016 Joint Symposium of The Natural Products Research Institute at Seoul National University & The Institute of Natural Medicine at University of Toyama; 2016 Nov 8; Toyama.
- 3) Woo S*. Anti-influenza activity of extracts from the stems of *Jatropha multifida* collected in Myanmar. 2016 Joint Symposium of The Natural Products Research Institute at Seoul National University & The Institute of Natural Medicine at University of Toyama; 2016 Nov 8; Toyama.
- 4) Ito T. Biologically active compounds from microorganisms: Isolation and biosynthesis. Seminar between International Cooperative Center for researches of Medicinal Resources at Pekin University & Institute of Natural Medicine, University of Toyama; 2016 Mar 11; Beijing. (Lecture)
- 5) 伊藤卓也. 微生物由来の生物活性物質の探索、及び遺伝子工学的手法を用いた新規微生物代謝産物類縁体の創製研究. 第 375 回和漢医薬学総合研究所セミナー (東西薬学交流セミナー) ; 2016 Sep 27 ; 富山.