

Ōmura Research Group (2017): Senior staff



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Research speciality: Drug discovery from actinomycetes by genome analysis

Publications (selected):

1. Y. Inahashi, S. Zhou, M. J. Bibb, L. Song, M. M. Al-Bassam, M. J. Bibb & G. L. Challis. (2017). Watasemycin biosynthesis in *Streptomyces venezuelae*: thiazoline C-methylation by a type B radical-SAM methylase homologue., *Chem. Sci.* **8** 2823-2831.
2. Y. Inahashi, T. Shiraishi, K. Palm, T. Takahashi, S. Ōmura, T. Kuzuyama & T. Nakashima. (2016). Biosynthesis of Trehangelin in *Polymorphospora rubra* K07-0510: Identification of Metabolic Pathway to Angelyl-CoA., *ChemBioChem* **17**, 1442-1447.
3. Y. Inahashi, M. Iwatsuki, A. Ishiyama, A. Matsumoto, T. Hirose, J. Oshita, T. Sunazuka, W. Panbangred, Y. Takahashi, M. Kaiser, K. Otoguro & S. Ōmura. (2015). Actinoallolides A–E, New Anti-trypanosomal Macrolides, Produced by an Endophytic Actinomycete, *Actinoallomurus fulvus* MK10-036., *Org. Lett.* **17** 864-867.
4. Y. Inahashi, A. Matsumoto, S. Ōmura & Y. Takahashi. (2012). *Phytohabitans flavus* sp. nov., *Phytohabitans rumicis* sp. nov. and *Phytohabitans houttuyniae* sp. nov., isolated from plant roots and emended description of the genus *Phytohabitans*., *Int. J. Syst. Evol. Microbiol.* **62**, 2717-2723.
5. Y. Inahashi, M. Iwatsuki, A. Ishiyama, M. Namatame, A. Nishihara-Tsukashima, A. Matsumoto, T. Hirose, T. Sunazuka, H. Yamada, K. Otoguro, Y. Takahashi, S. Ōmura & K. Shiomi. (2011). Spoxazomicins A-C, novel antitrypanosomal alkaloids produced by an endophytic actinomycete, *Streptosporangium oxazolinicum* K07-0460^T., *J. Antibiot.* **64**, 303-307.