

Ōmura Research Group (2017): Senior staff



Name: Masato Iwatsuki

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Research speciality:

- Natural Product Chemistry
- Parasitic Tropical diseases (malaria, trypanosomiasis)

Publications (selected):

1. M. Iwatsuki, H. Tomoda, R. Uchida, H. Gouda, S. Hirono & S. Ōmura. (2006). Lariatins, antimycobacterial peptides produced by *Rhodococcus* sp. K01-B0171, have a lasso structure., *J. Am. Chem. Soc.* **128**, 7486-7491.
2. K. Kimura, M. Iwatsuki, T. Nagai, A. Matsumoto, Y. Takahashi, K. Shiomi, S. Ōmura & A. Abe. (2011). A small-molecule inhibitor of the bacterial type III secretion system protects against *in vivo* infection with *Citrobacter rodentium*., *J. Antibiot.* **64**, 197-203.
3. M. Iwatsuki, S. Takada, M. Mihiko, A. Ishiyama, M. Namatame, A. Nishihara-Tsukashima, K. Nonaka, R. Masuma, K. Otogura, K. Shiomi & S. Ōmura. (2011). *In vitro* and *in vivo* antimalarial activity of puberulic acid and its new analogs, viticolins A-C, produced by *Penicillium* sp. FKI-4410., *J. Antibiot.* **64**, 183-188.
4. K. Takata, M. Iwatsuki, T. Yamamoto, T. Shirahata, K. Nonaka, R. Masuma, Y. Hayakawa, H. Hanaki, Y. Kobayashi, G. A. Petersson, S. Ōmura & K. Shiomi. (2013). Aogacillins A and B Produced by *Simplicillium* sp. FKI-5985: New Circumventors of Arbekacin Resistance in MRSA., *Org. Lett.* **15**, 4678-4681.
5. Y. Inahashi, M. Iwatsuki, A. Ishiyama, A. Matusmoto, 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.