

Ōmura Research Group (2017): Senior staff



Name: Toshiaki Sunazuka

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Research specialty:

- Natural Product Chemistry
- Organic Synthesis
- Medicinal Chemistry

Publications (selected):

1. H. Takada, T. Yamada, T. Hirose, T. Ishihara, T. Nakashima, Y. Takahashi, S. Ōmura, & T. Sunazuka. (2017). Total synthesis and determination of the absolute configuration of naturally occurring mangromicin A, with potent antitrypanosomal activity., *Org. Lett.* **19**, 230-233.
2. T. Hirose, N. Maita, H. Gouda, J. Koseki, T. Yamamoto, A. Sugawara, H. Nakano, S. Hirono, K. Shiomi, T. Watanabe, H. Taniguchi, K. B. Sharpless, S. Ōmura & T. Sunazuka. (2013). Observation of the controlled assembly of preclick components in *In Situ* click chemistry generation of a chitinase inhibitor., *Proc. Natl. Acad. Sci. USA* **110**, 15892-15897.
3. T. Ideguchi, T. Yamada, T. Shirahata, T. Hirose, A. Sugawara, Y. Kobayashi, S. Ōmura & T. Sunazuka. (2013). Asymmetric total synthesis of neoxaline., *J. Am. Chem. Soc.* **135**, 12568-12571.
4. T. Sunazuka, T. Hirose & S. Ōmura. (2008). Efficient total synthesis of novel bioactive microbial metabolites., *Acc. Chem. Res.* **41**, 302-314.
5. T. Sunazuka & S. Ōmura. (2005). Total synthesis of α -pyrone meroterpenoids, novel bioactive microbial metabolites., *Chem. Rev.* **105**, 4559-4580.

Awards:

2009 Astellas Award for Organic Chemistry in Life Science, Synthetic Organic Chemistry

2008 The Pharmaceutical Society of Japan Award for Divisional Scientific Promotions

2004 Morimura Award

2003 Sumiki-Umezawa Memorial Award

1998 Progress Award in Synthetic Organic Chemistry, Japan

1996 Ninomiya Award

Comment

‘One encounter, one chance’.