Masayuki Inoue



- The University of Tokyo, B.S. in Chemistry (1989-1993)
- The University of Tokyo, Ph.D. in Organic Chemistry (1993-1998) Research advisor: Professor Kazuo Tachibana
- Sloan-Kettering Institute for Cancer Research (1998-2000) Research advisor: Professor Samuel J. Danishefsky

Department of Chemistry, Tohoku University

- Assistant Professor (Lab of Professor Masahiro Hirama) (2000)
- Lecturer (2003)
- Associate Professor (2004)

Current: Professor at The University of Tokyo

- 180+ publications
- >20 completed natural product syntheses

•Awards - Young Scientist's Research Award in Natural Product Chemistry (2001), Chugai Award in Synthetic Organic Chemistry, Japan (2001), Thieme Journal Award 2005, Mukaiyama Award Year 2014, JOC Outstanding Publication of the Year Award Lectureship (2018)



Research Interests (non-exhaustive):

- Synthesis of complex natural products with unresolved bioactivity
- Study of the biological function of prepared natural products
- Development of radical methodologies for use in total synthesis

B. Derstine

Group Meeting





13

• 70 step synthesis





Forward Synthesis of (+)-Pinnatoxin A



19 Step Endgame





ACIE 2004, 43 (47), 6505-6510

B. Derstine

Group Meeting



Forward Synthesis of Resiniferatoxin



Tricyclic Framework from Two Radical Reactions



Group Meeting



Group Meeting

Crotophorbolone



ACIE 2020, 59 (1), 479-486

B. Derstine

Group Meeting

Zaragozic Acid C



Quick Facts:

- Member of zaragozic acids and squalestatins natural product families
- potent squalene synthase inhibitor
- Potential as an antitumor agent







Group Meeting



нŃ

Yaku'amide A from Enamide Formation

