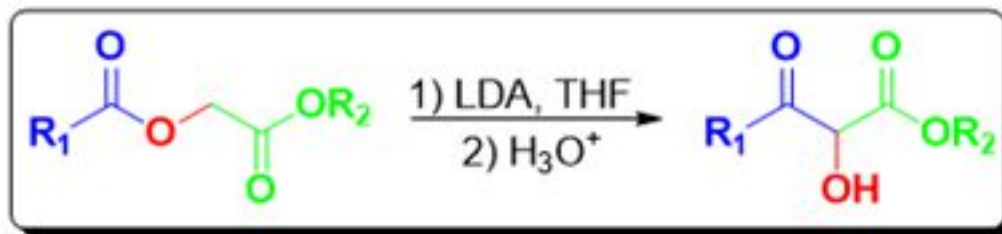


Chan-Rearrangement



Tetrahedron Lett. **1984**, 25, 3399.

Chan rearrangement is an organic reaction whereby an alpha-acyloxyester can be converted to a alpha-hydroxy-beta-ketoester in presence of a strong base. It was developed by [Tak-Hang \(Bill\) Chan](#) (陈德恒).

Past and Present Experience:

B.Sc. University of Toronto 1962

M.Sc. Princeton University 1963

Ph.D. Princeton University 1966

Research Associate Harvard University 1965-1966

Assistant Professor McGill University 1966-1971

Associate Professor McGill University 1971-1977

Visiting Professor Université Louis Pasteur 1974-1975

Professor McGill University 1978-now

Chair, Chemistry Department McGill University 1985-1991

Dean of Science McGill University 1991-1994

Vice-Principal (Academic) McGill University 1994-1999

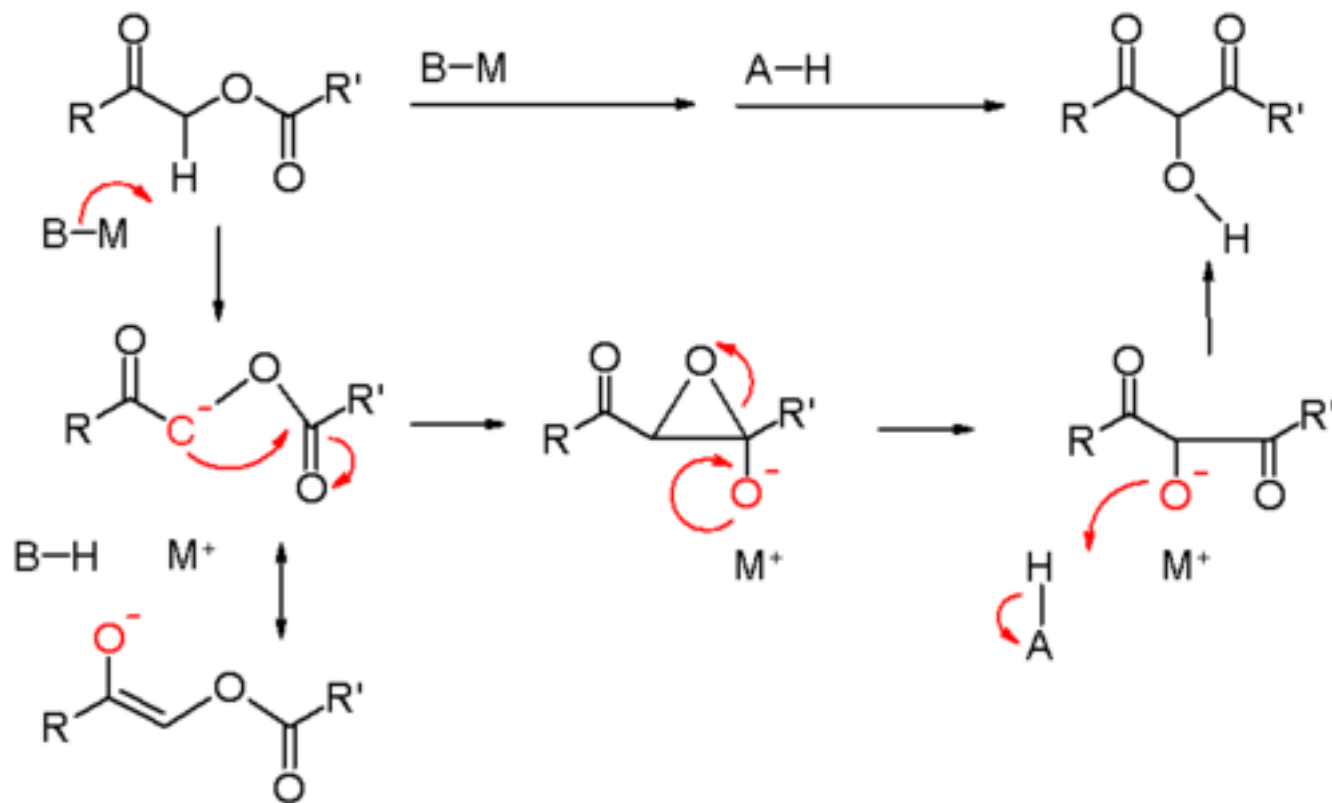
Vice-Principal (Macdonald Campus) McGill University 1997-1999

Tomlinson Chair Professor McGill University 2000-2004

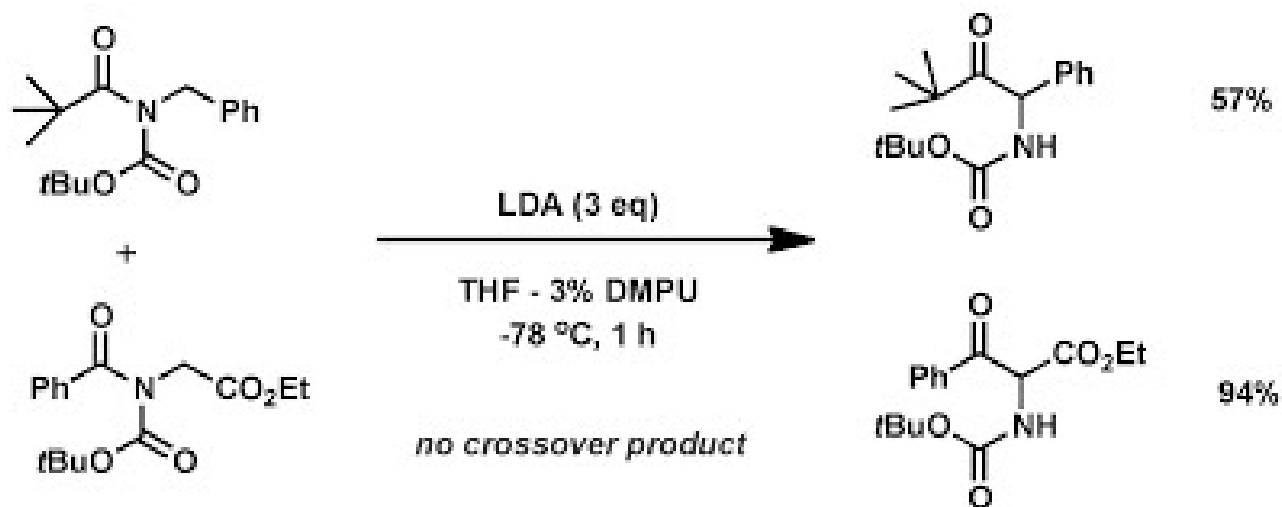
Chair Professor of Organic Chemistry HK Polytechnic Univ. 2001-

Emeritus Professor McGill University 2004-

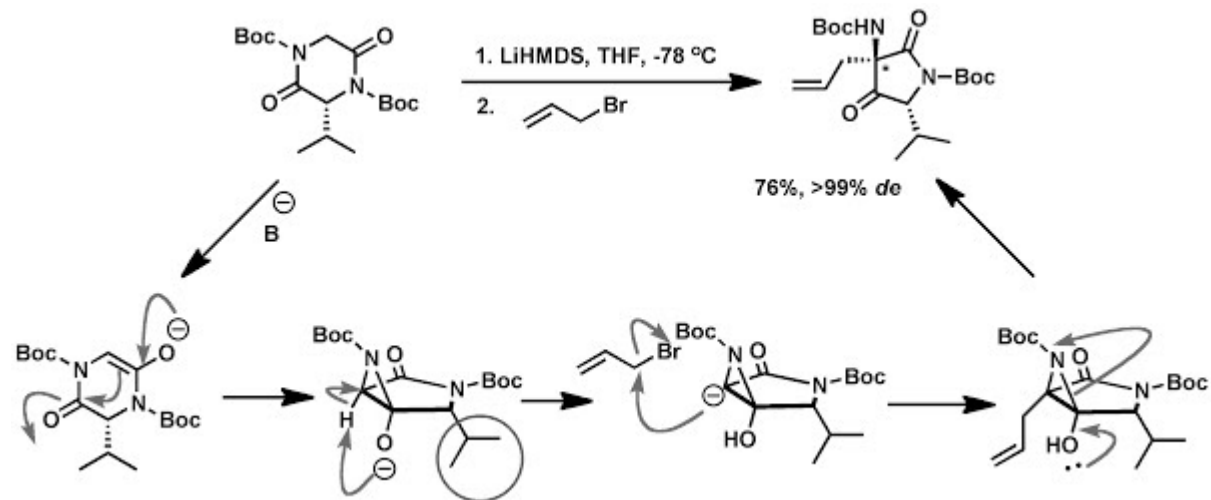
Plausible mechanism



Mechanistic insights

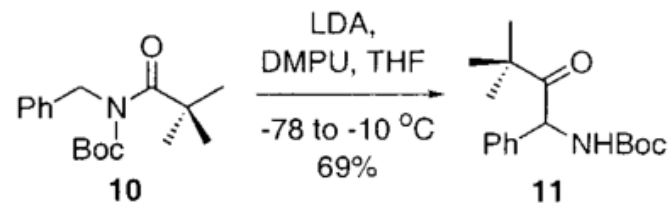
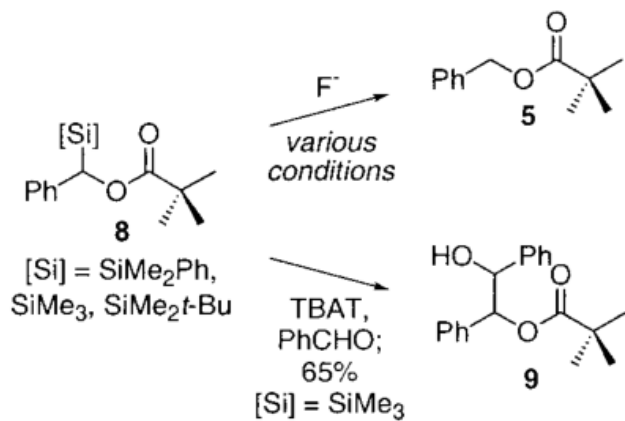
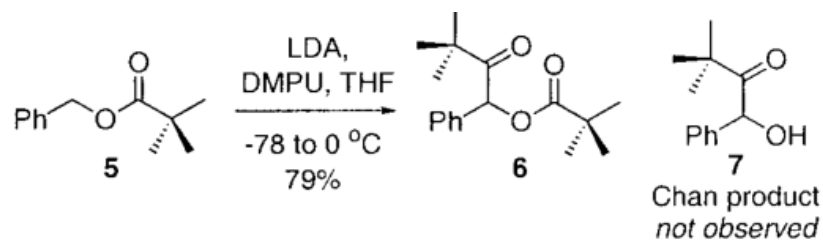
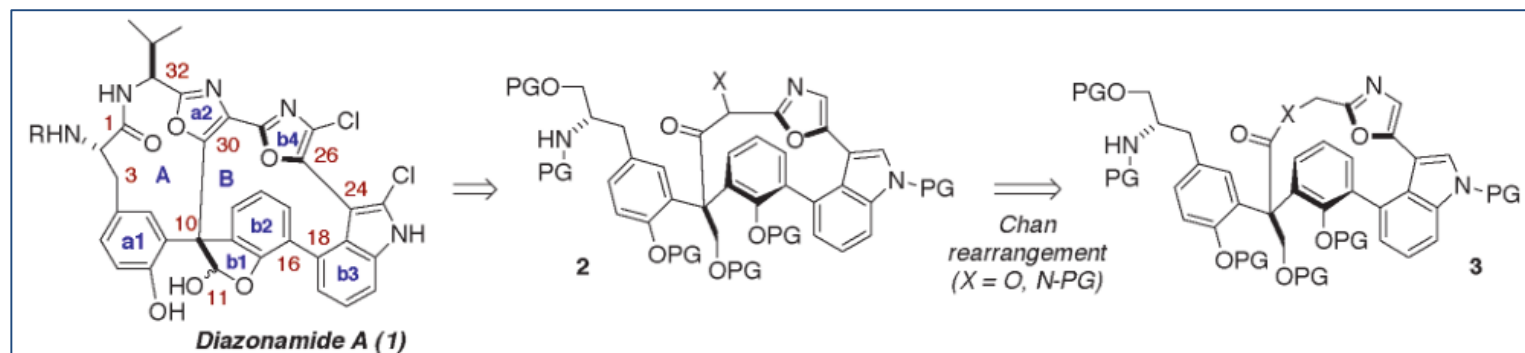


Mechanistic insights

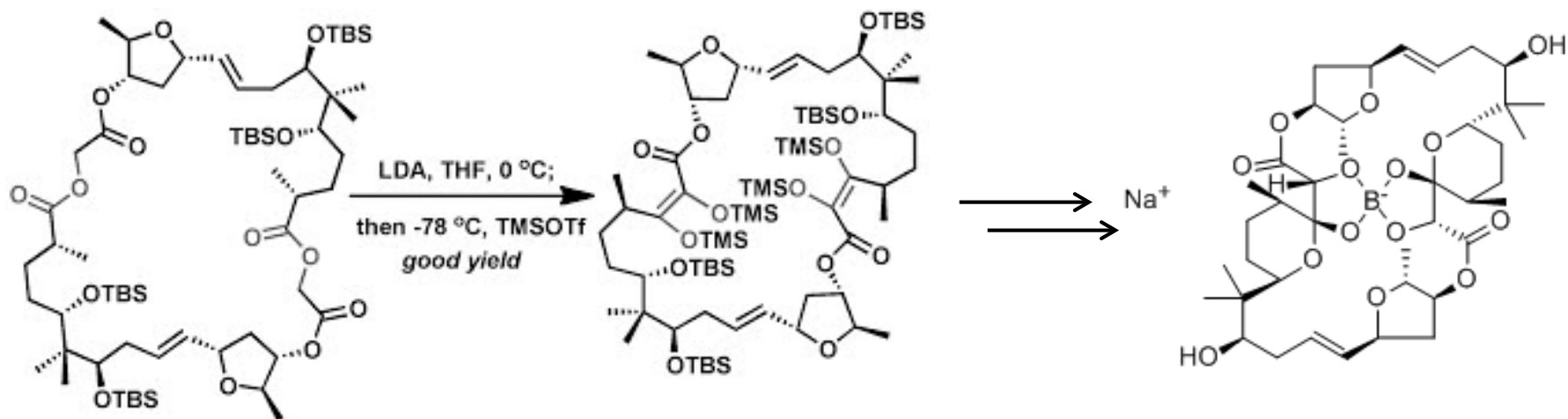


[Org. Biomol. Chem., 2008, 6, 3989.](#)

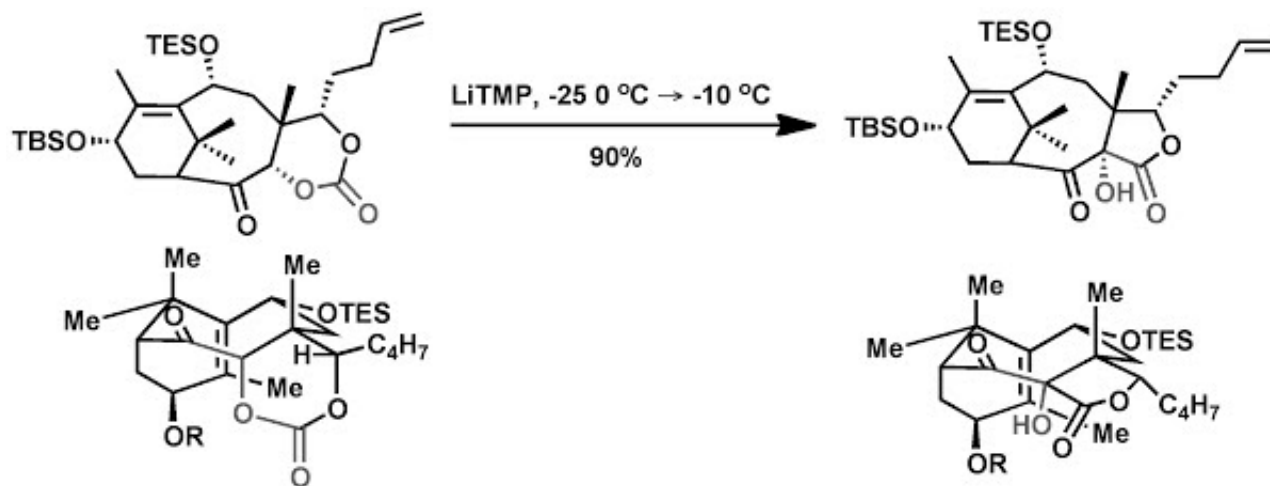
Applications



Applications



The total synthesis of (+)-Aplasmomycin., [*J. Am. Chem. Soc.* **1986**, *108*, 8105](#)



Holton's total synthesis of Taxol, [*J. Am. Chem. Soc.* **1994**, *116*, 1597](#)

Thanks