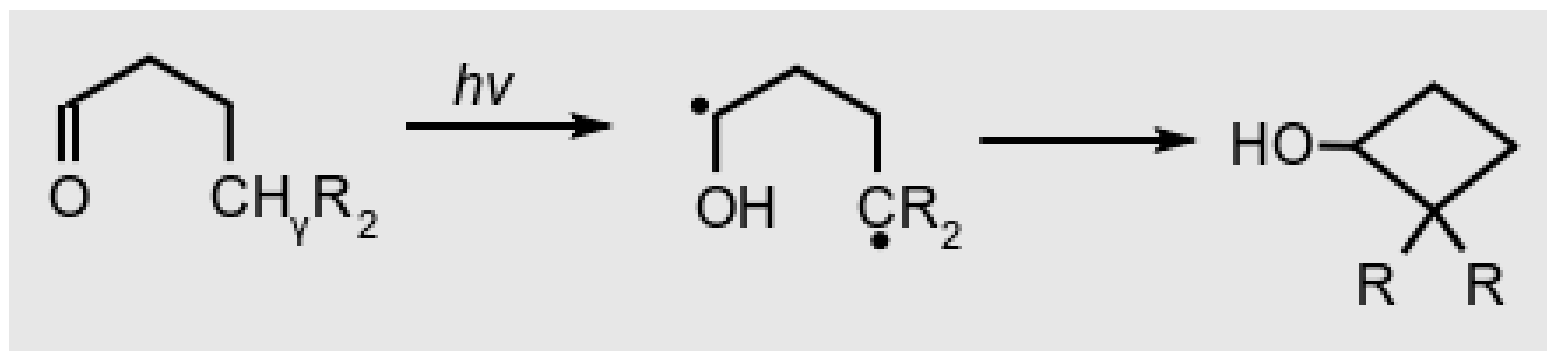


Norrish–Yang Photocyclization



<http://goldbook.iupac.org/terms/view/NT07427>

Norrish–Yang reaction (Norrish Type II)

Education

- Ph.D., Morris Karasch, University of Chicago, 1952.
- B.S., St. John's University in Shanghai, 1948.

Professional Experience

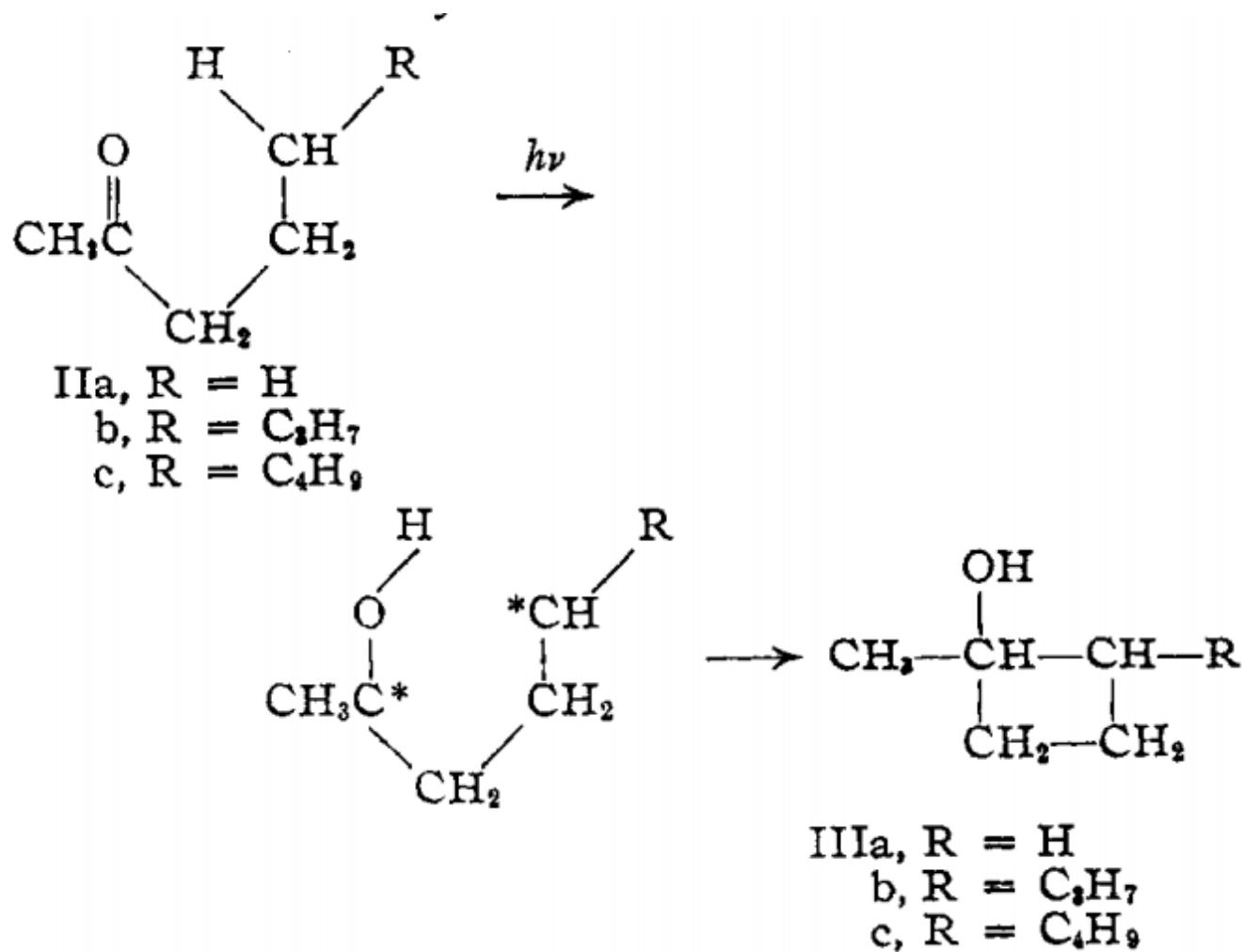
- Research Associate, M.I.T., 1952-1955
- Research Fellow, Harvard University, 1955-1956
- Assistant Professor, University of Chicago, 1956-1961
- Associate Professor, University of Chicago, 1961-1963
- Professor, University of Chicago, 1963-1992
- Gustavus F. and Ann M. Swift Distinguished Service Professor, University of Chicago, 1992-2000
- Emeritus, 2000—2008.

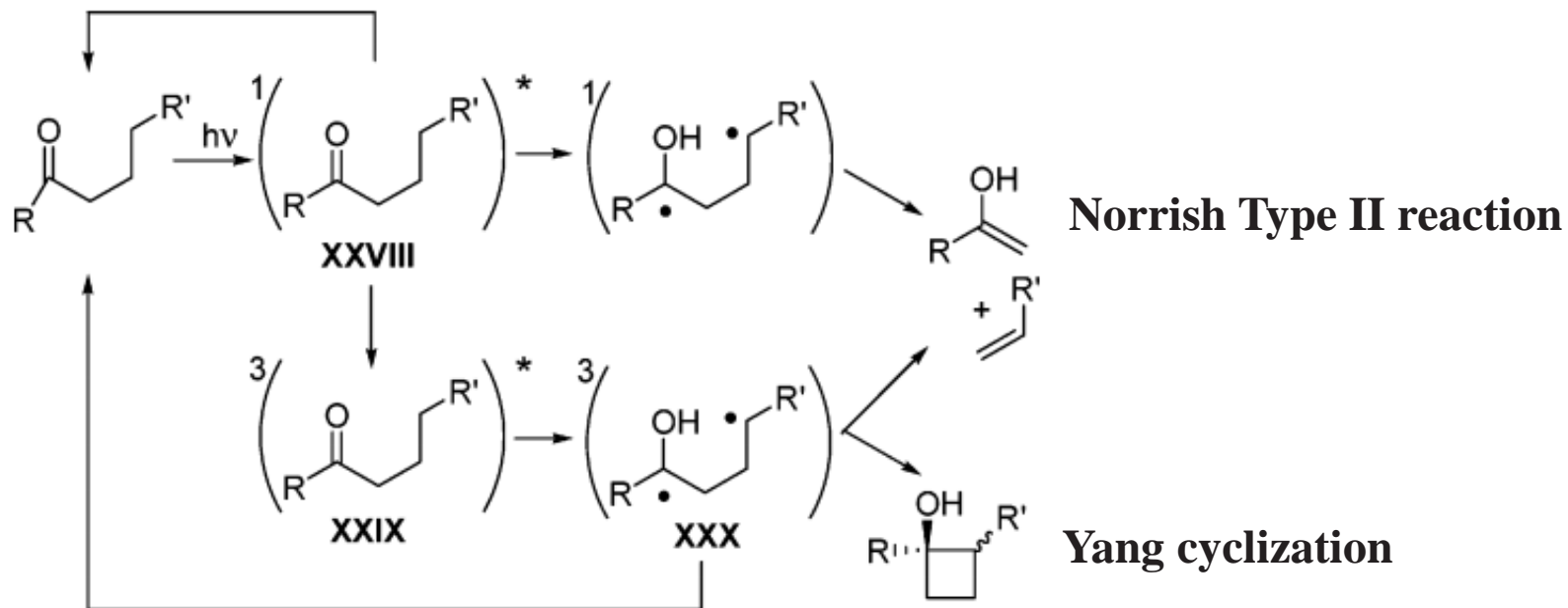
Academic Honors Received

- Fellowship, Alfred P. Sloan Foundation, 1960
- Fellowship, National Cancer Institute, 1973
- Fellowship, Guggenheim Foundation, 1974
- Gregory and Freda Halpern Prize on Photochemistry, New York Academy of Sciences, 1981
- Academician, Academia Sinica, R.O.C., 1982
- Fellowship, AAAS, 1992
- Fellowship, Inter-American Photochemical Society, 1994

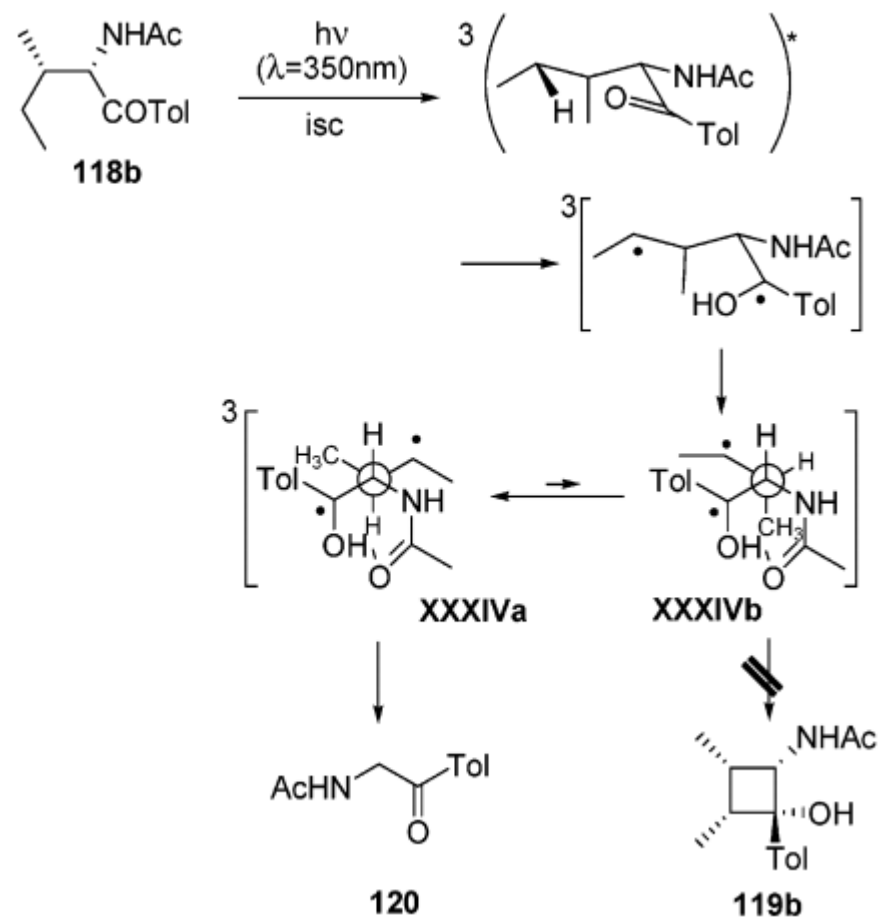
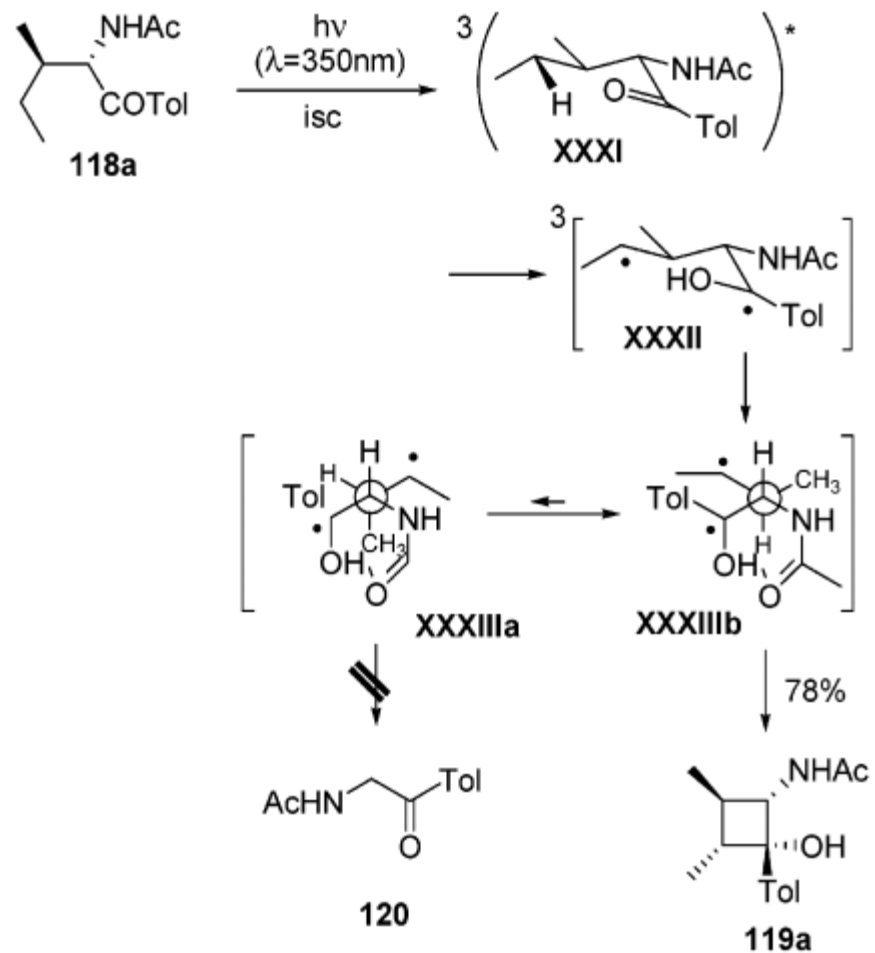


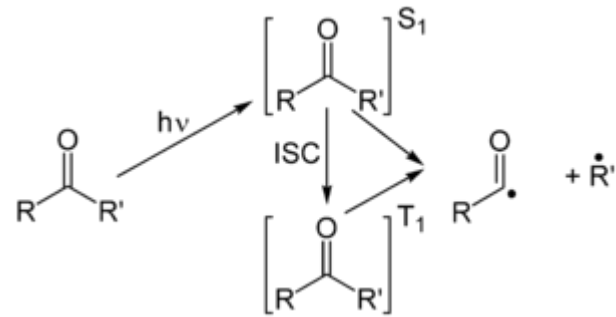
Nien-Chu C. Yang
1928.5 - 2008.10



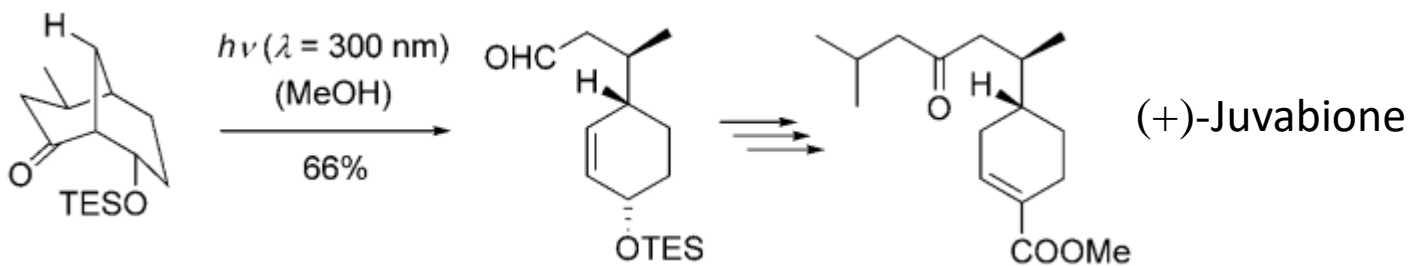
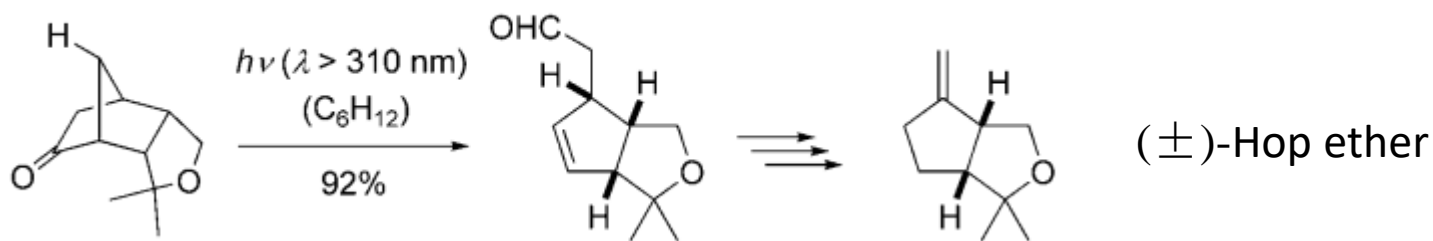
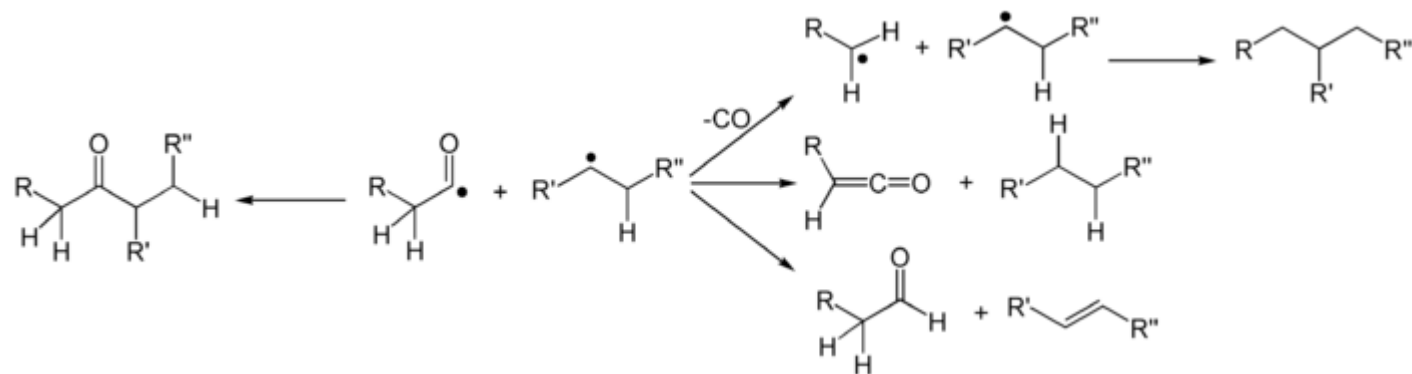


- ◆ Fragmentation is preferred at the singlet. (**Norrish Type II reaction**)
- ◆ Cyclization is favored in the triplet state. (**Yang cyclization**)
- ◆ Reversible steps have been detected in the excited singlet state and starting from the triplet biradical XXX
- ◆ The competition between cyclization and fragmentation of XXX strongly depends on the nature of the substituents.

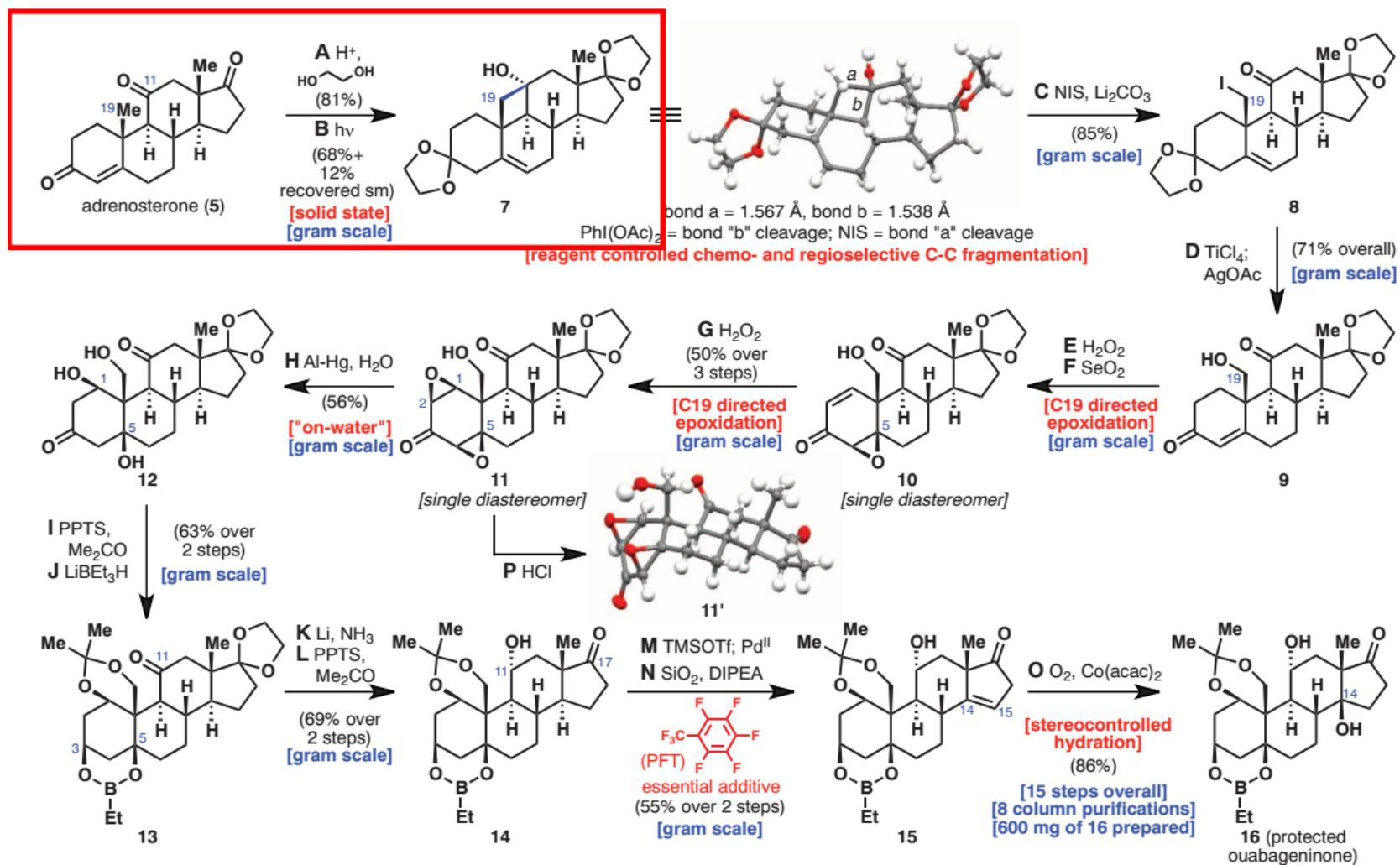




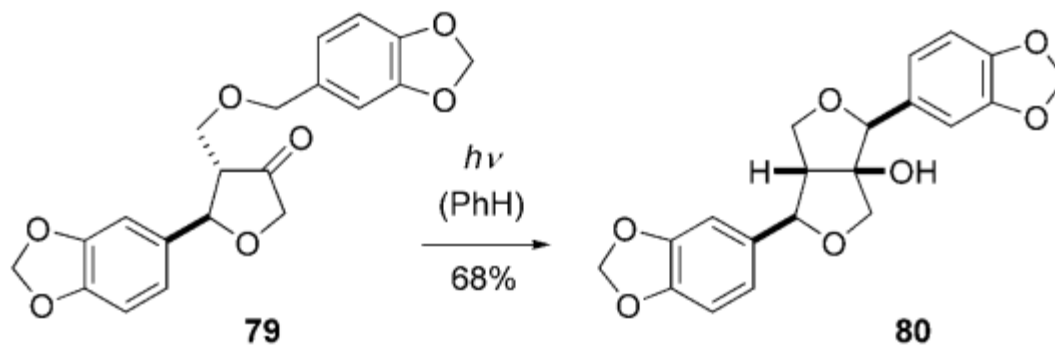
Norrish Type I reaction



Synthetic Applications:



Synthetic Applications:



(±)-Paulownin

