

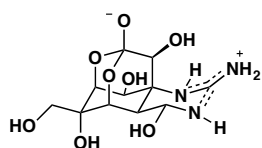


- 1948: Born in Ancho, Aichi
- 1971: B.A. Chem, Nagoya University
- 1973: M.A. Chem, Nagoya University
- 1977: Ph.D., Yoshito Kishi, Harvard University
- 1977 - 1978: Postdoctoral Associate with Y. Kishi
- 1978: Assistant Professor, Rice University
- 1982: Associate Professor, Rice University
- 1988: Full Professor, Rice University
- 1995: Professor of Pharmaceutical Sciences, University of Tokyo
- 2012 Professor at Nagoya University

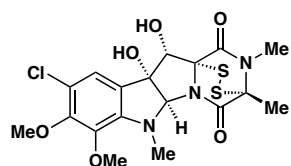
#### Awards

- 1993: ACS Arthur C. Cope Scholar Award
- 2002: Synthetic Organic Chemistry Award, Japan
- 2003: ISHC Senior Award in Heterocyclic Chemistry
- 2004: ACS Award for Creative Work in Synthetic Organic Chemistry
- 2006: The PSJ Award

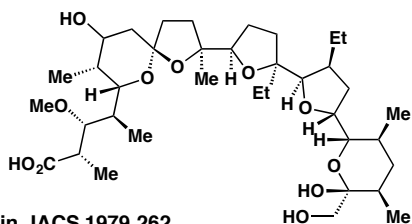
#### The Kishi Years



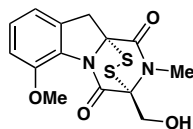
Tetrodotoxin JACS 1972, 9219



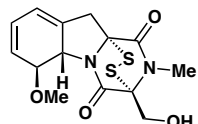
Sporidesmin A, JACS 1973 6493



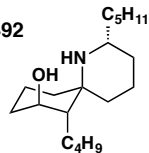
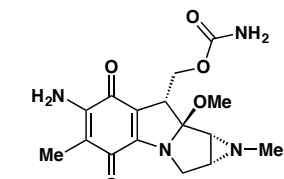
Monensin JACS 1979 262



Dehydrogliotoxin JACS 1973 6492



Gliotoxin JACS 1976 6723

Perhydrohistrionicotoxin  
JOC 1975 2009

Porfiromycin JACS 1977 8155

#### Top 5 Cited Papers (Independent Career)

##### 632 citations:

2-Nitrobenzenesulfonamides and 4-Nitrobenzenesulfonamides - Exceptionally Versatile Means for Preparation of Secondary-Amines and Protection of Amines; *Tetrahedron Lett.*, **1995**, 6373.

##### 214 citations:

2,4-Dinitrobenzenesulfonamides: A Simple and Practical Method for the Preparation of a Variety of Secondary Amines and Diamines; *Tetrahedron Lett.*, **1997**, 5831.

##### 191 citations:

Ns Strategies: A Highly Versatile Synthetic Method for Amines; *Chem. Commun.* **2004**, 353.

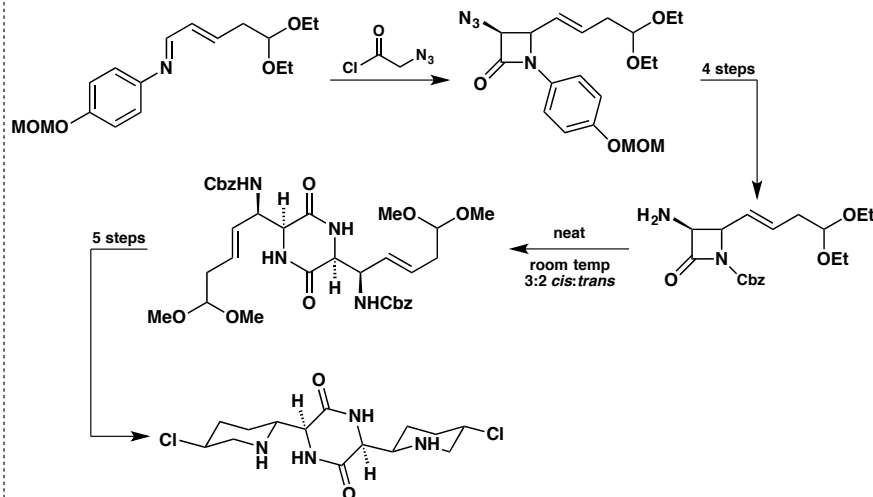
##### 188 citations:

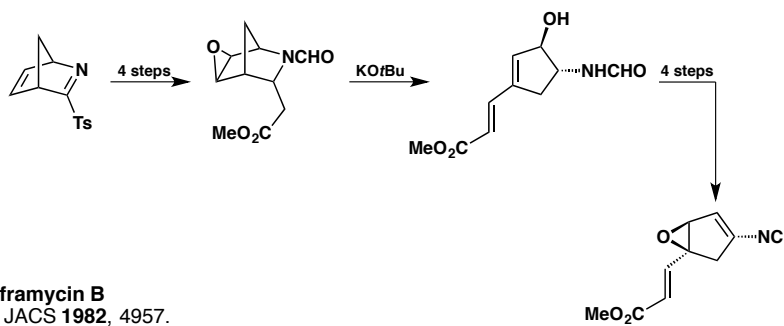
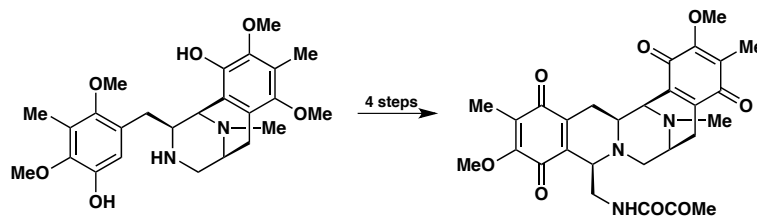
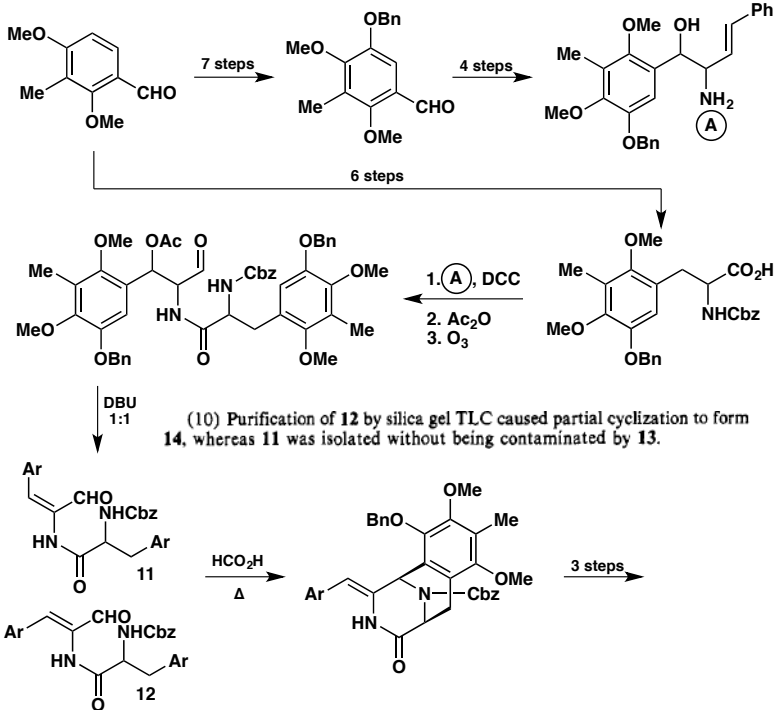
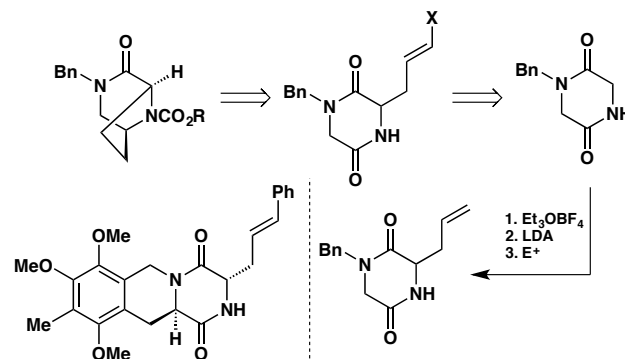
Para-Anisyl Group - A Versatile Protecting Group for Primary Alcohols; *Tetrahedron Lett.* **1985**, 6291.

##### 180 citations:

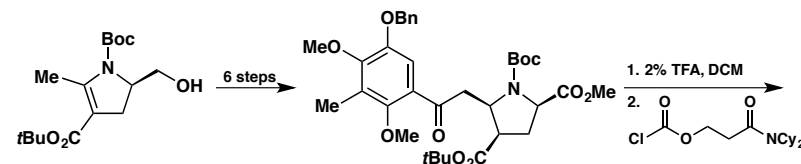
Facile Reduction of Ethyl Thiol Esters to Aldehydes - Application to a Total Synthesis of (+)-Neothramycin-A Methyl-Ether; *JACS* **1990**, 7050

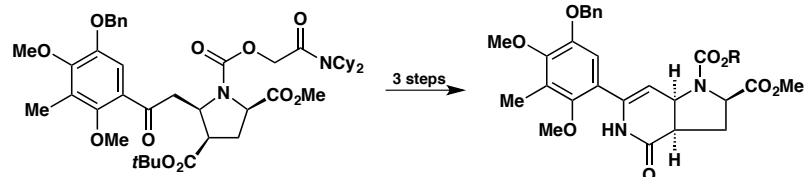
#### Antibiotic 593A JACS 1980 2122



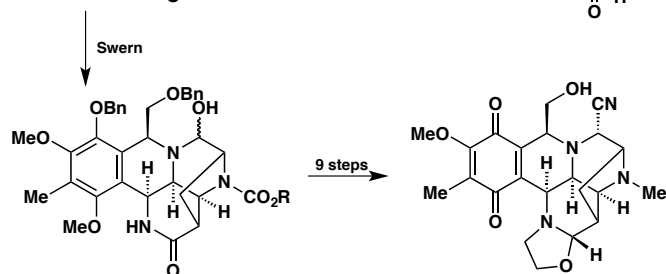
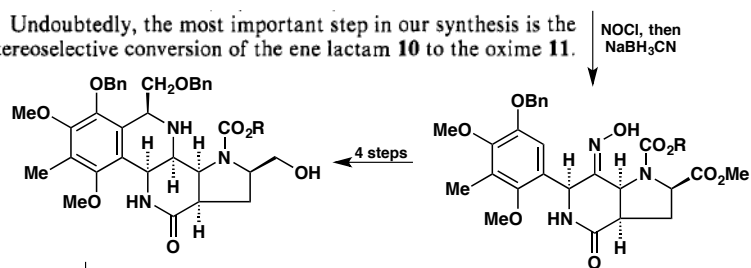
**Unnamed Isonitrile Acid**Tetrahedron Lett. **1981**, 3759.**Saframycin B**JACS **1982**, 4957.For Saframycin A, see JACS **1990**, 3712.**Methodology alert! Regioselective Alkylation of 2,5-Piperazinedione Derivatives**Tetrahedron Lett., **1985**, 2955.

7. No attempts were made to optimize yields.

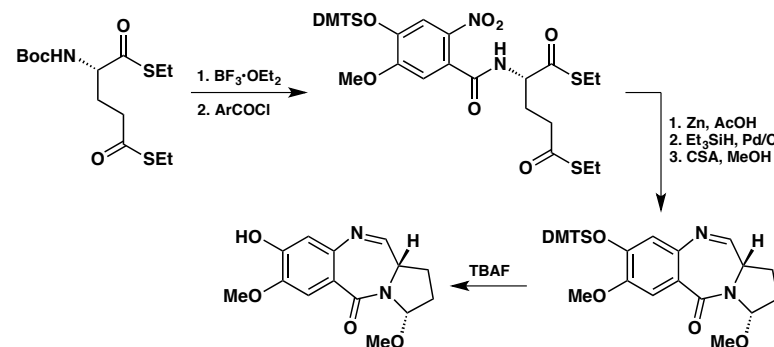
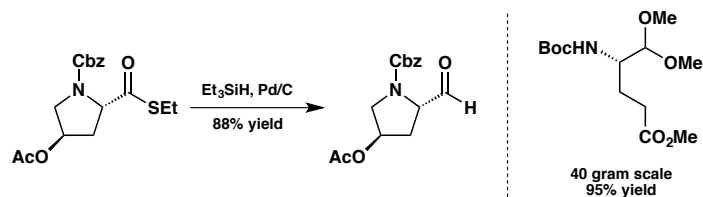
**Cyanocycline A**JACS **1987**, 1587.



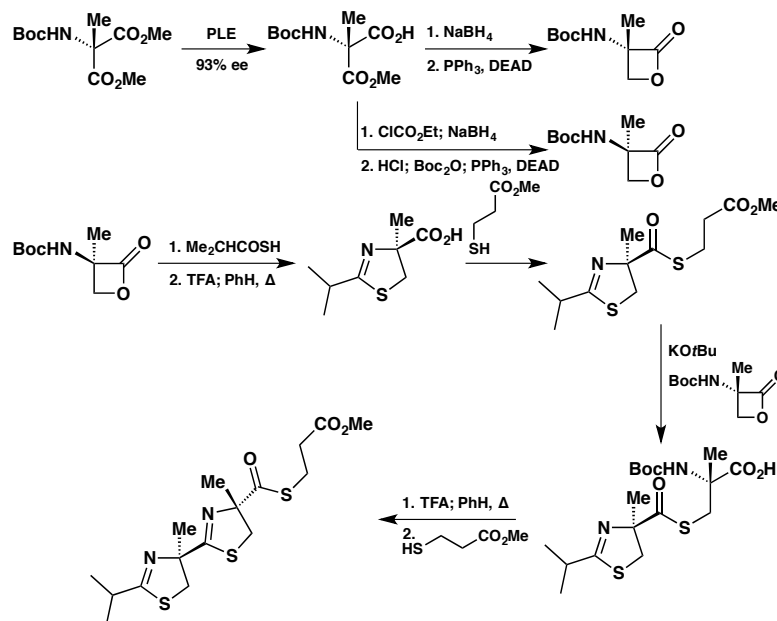
Undoubtedly, the most important step in our synthesis is the stereoselective conversion of the ene lactam **10** to the oxime **11**.

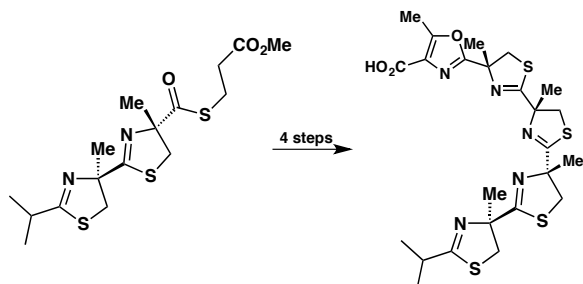


**Methodology alert!** Facile Reduction of Ethyl Thiol Esters to Aldehydes: Application to a Total Synthesis of (+)-Neothramycin JACS, 1990, 7050.

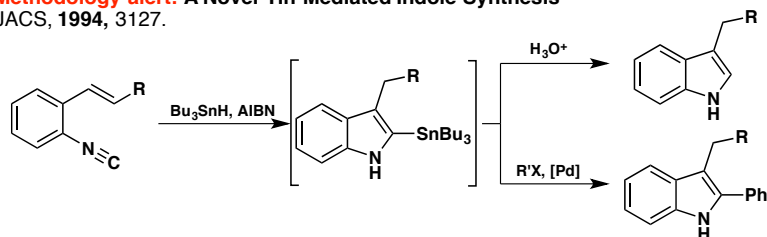


**Tantzole B**  
JACS 1993, 8449.



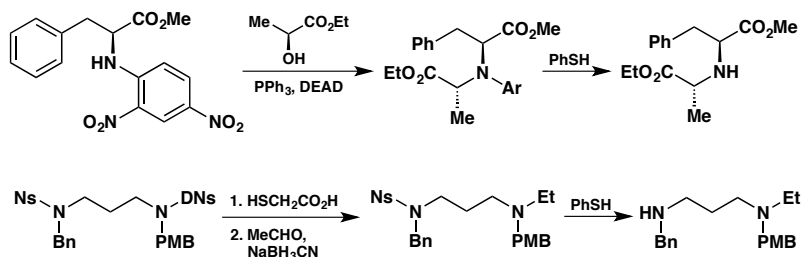


**Methodology alert! A Novel Tin-Mediated Indole Synthesis**  
JACS, 1994, 3127.

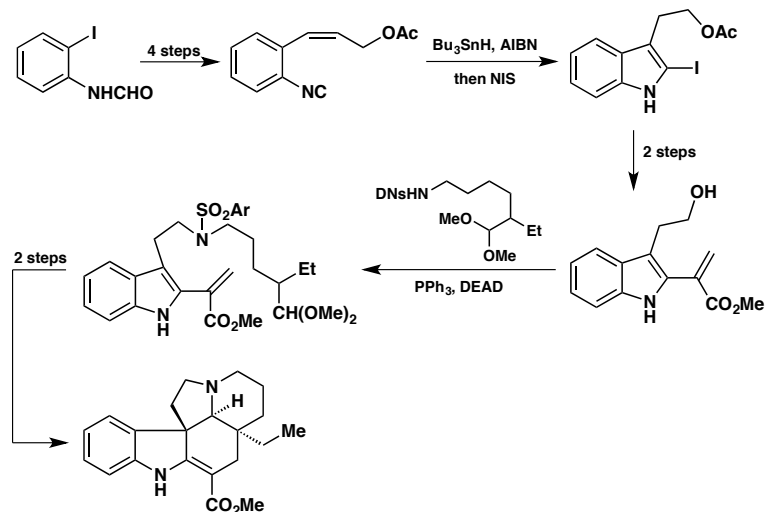


**Methodology alert! 2-Nitrobenzenesulfonamides and 4-Nitrobenzenesulfonamides**  
- Exceptionally Versatile Means for Preparation of Secondary-Amines and Protection of Amines  
Tetrahedron Lett., 1995, 6373.

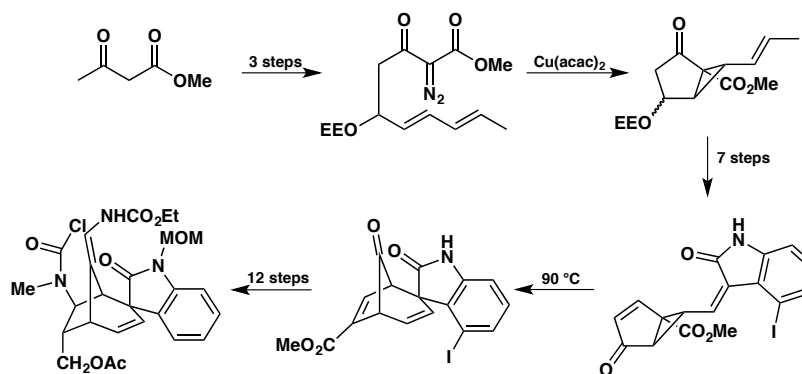
**2,4-Dinitrobenzenesulfonamides: A Simple and Practical Method for the Preparation of a Variety of Secondary Amines and Diamines**  
Tetrahedron Lett., 1997, 5831.

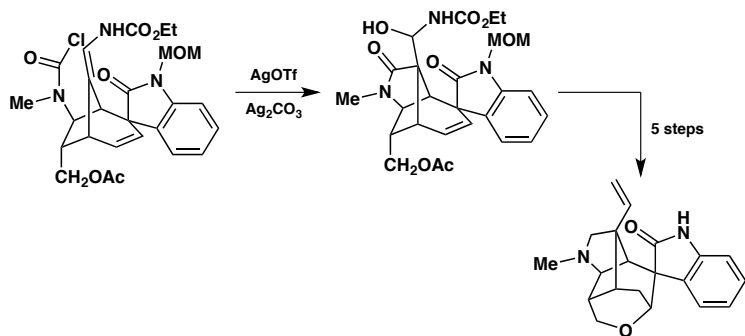


**Vincadifformine and Tabersonine**  
Tetrahedron Lett. 1999, 1519.

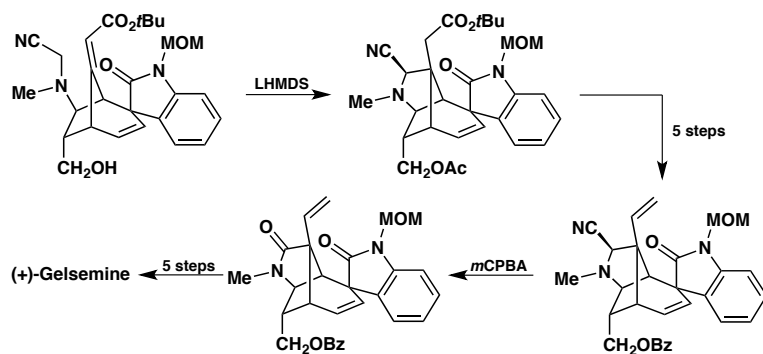


**Gelsemine**  
JACS 1996, 7426.

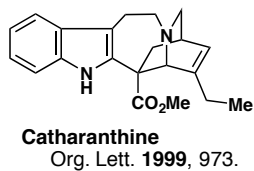
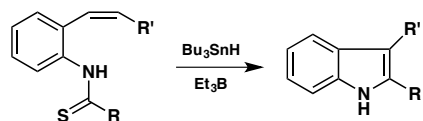




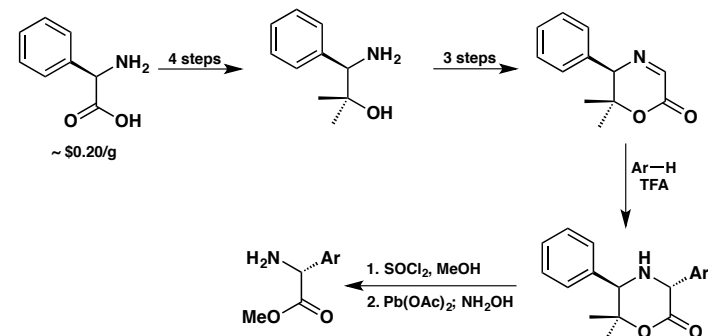
(+)-Gelsemine  
ACIE 2000, 4073.



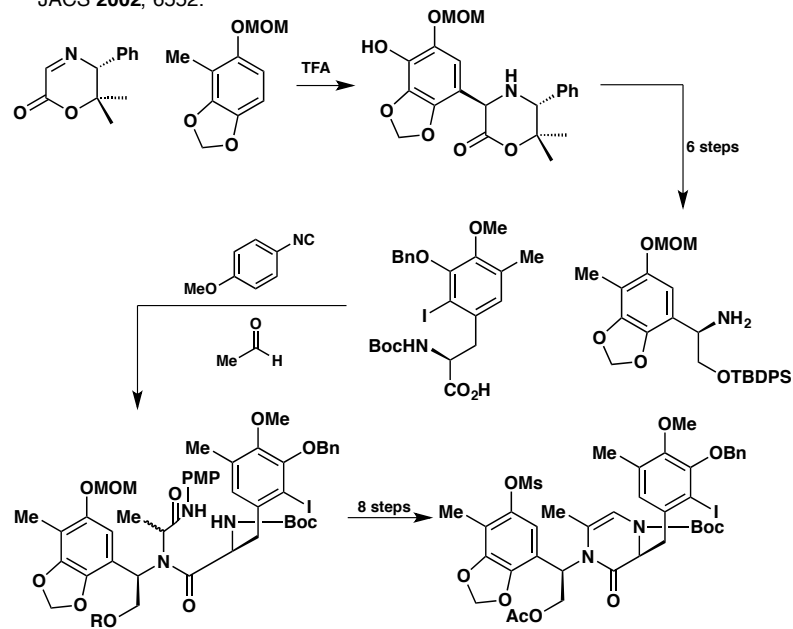
**Methodology alert!** Radical Cyclization of 2-Alkenylthioanilides: A Novel Synthesis of 2,3-Disubstituted Indoles  
JACS, 1999, 3791.

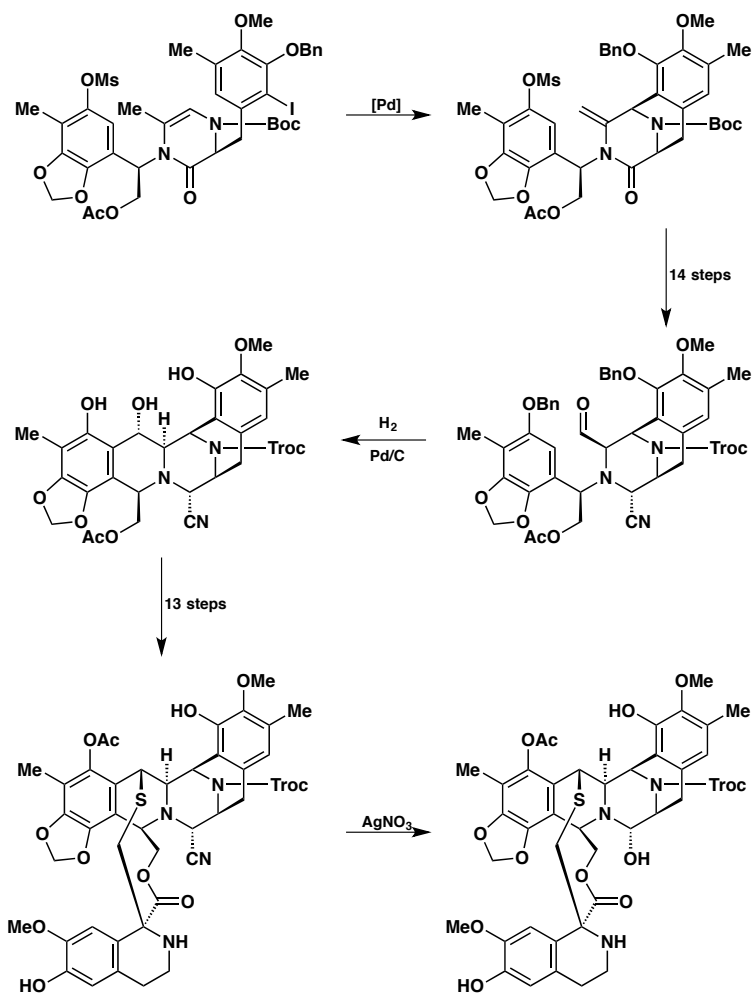


**Methodology alert!** Synthesis of Optically Active  $\alpha$ -Arylglycines: Stereoselective Mannich-Type Reactions with a New Chiral Template  
Synlett, 2001, 1179.



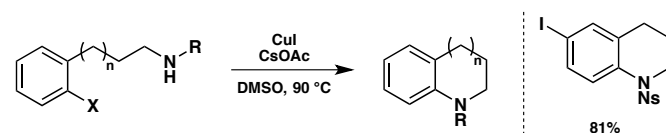
Ecteinascidin 743  
JACS 2002, 6552.



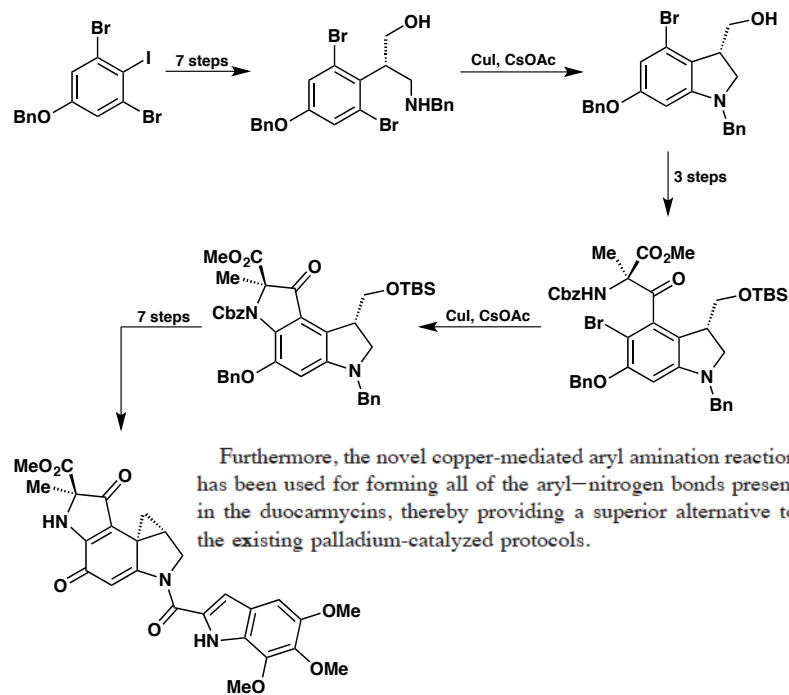


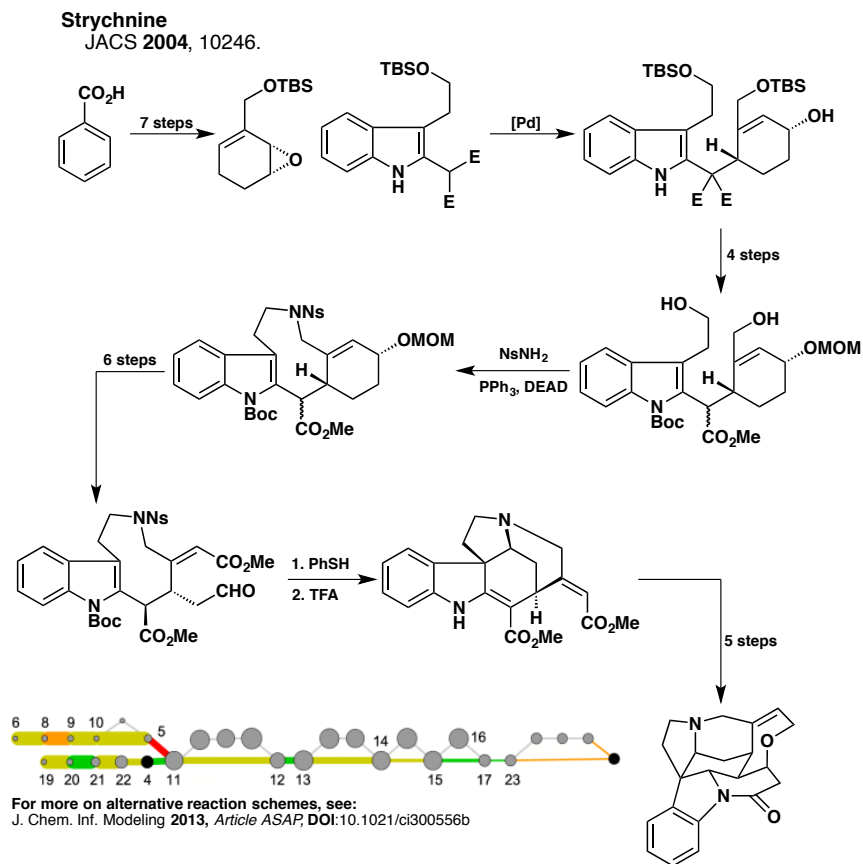
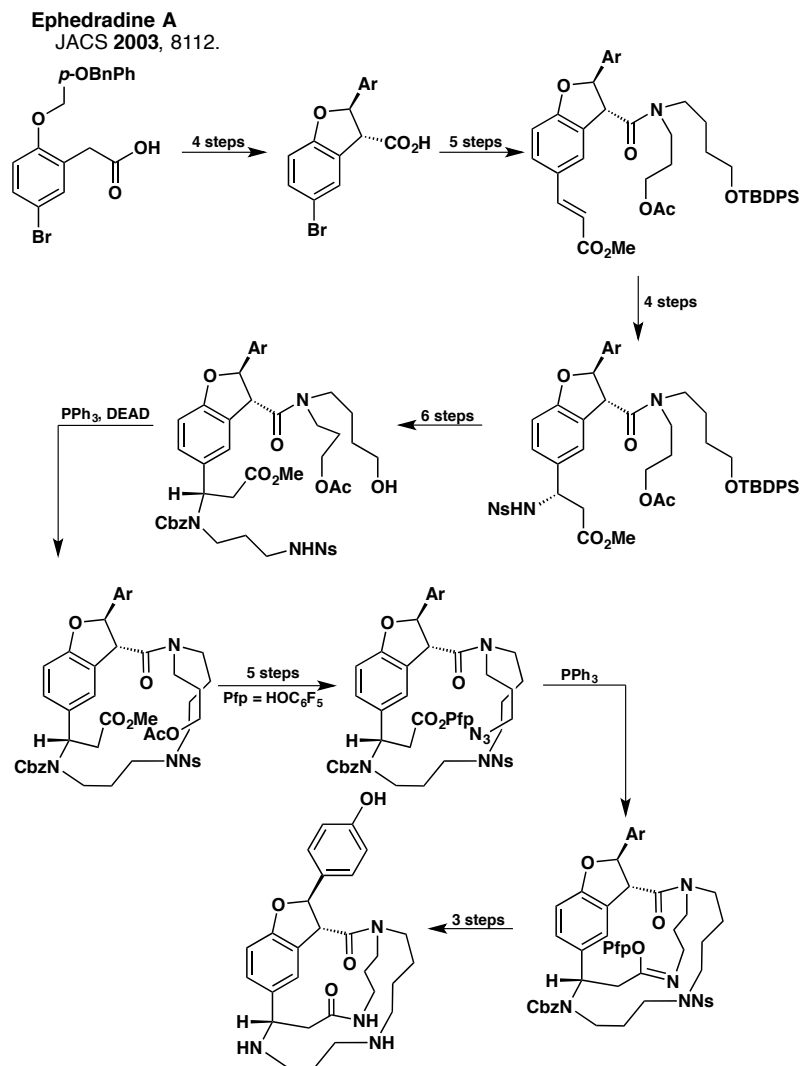
**Methodology alert!** A Mild Copper-mediated Intramolecular Amination of Aryl Halides

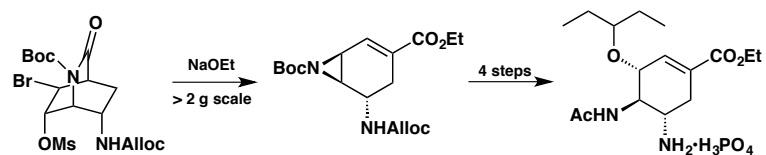
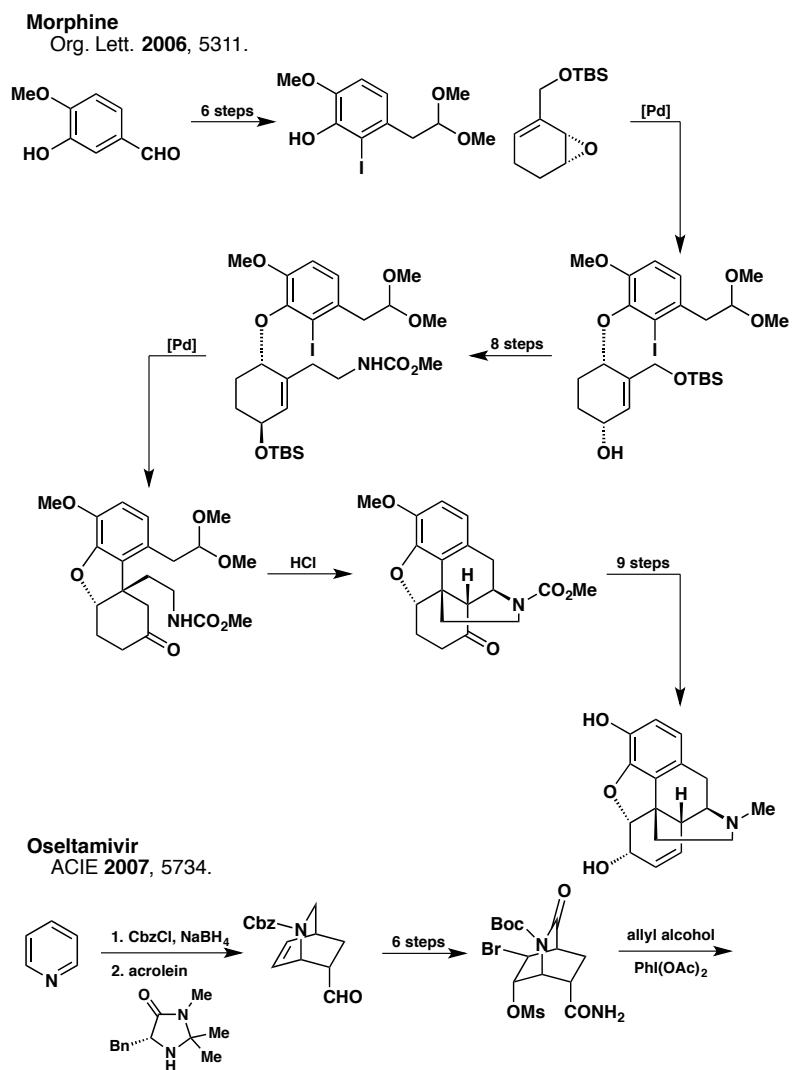
Synlett, 2002, 231.



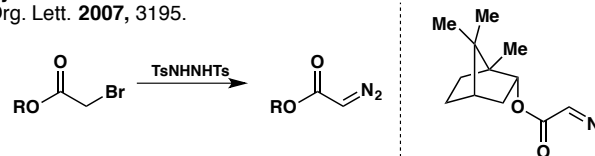
**Duocarmycins**  
JACS 2003, 6630.



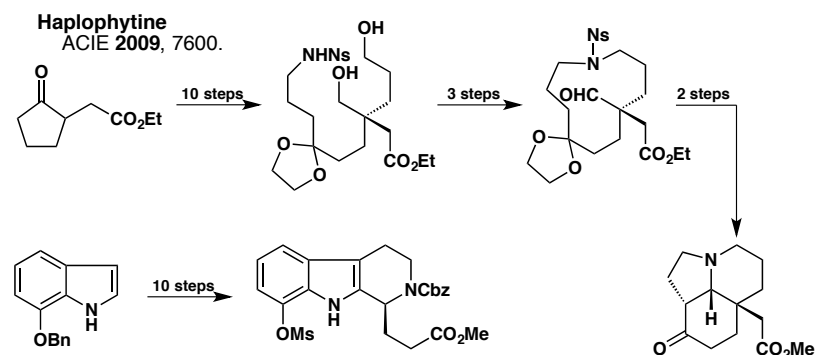
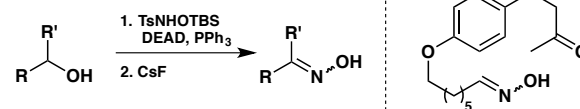




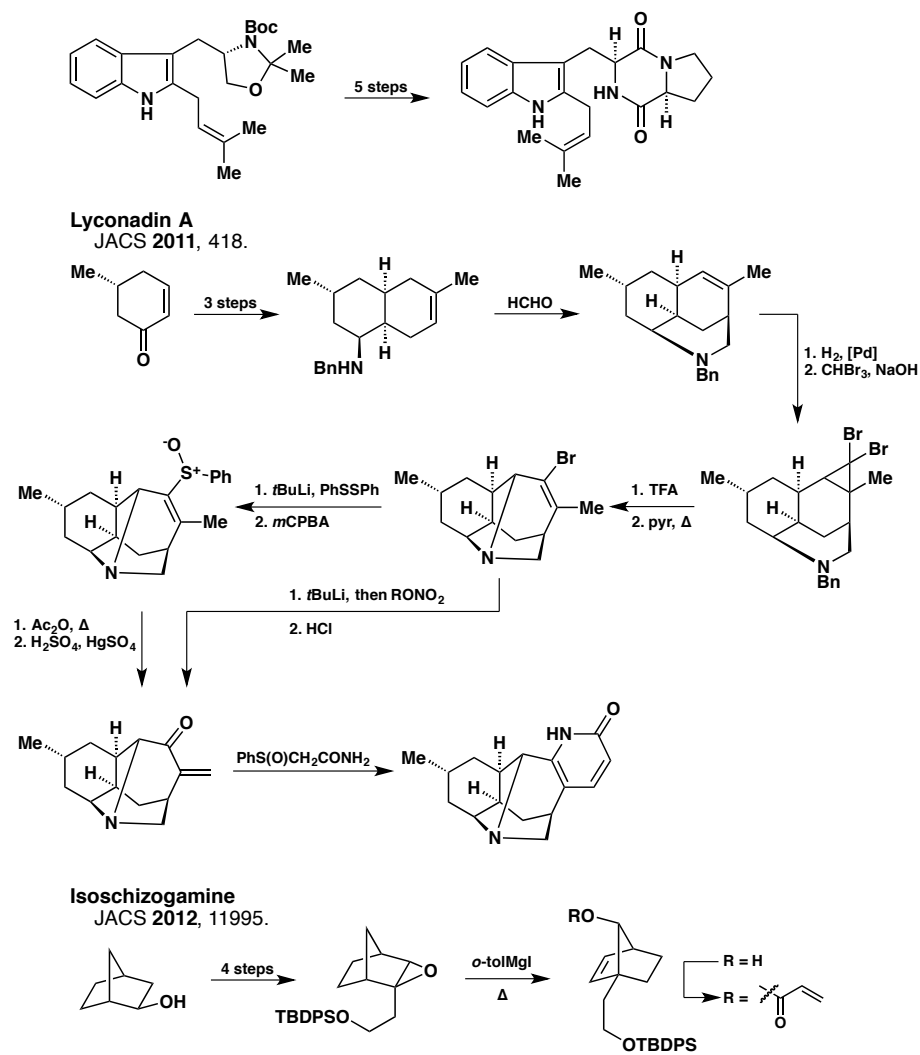
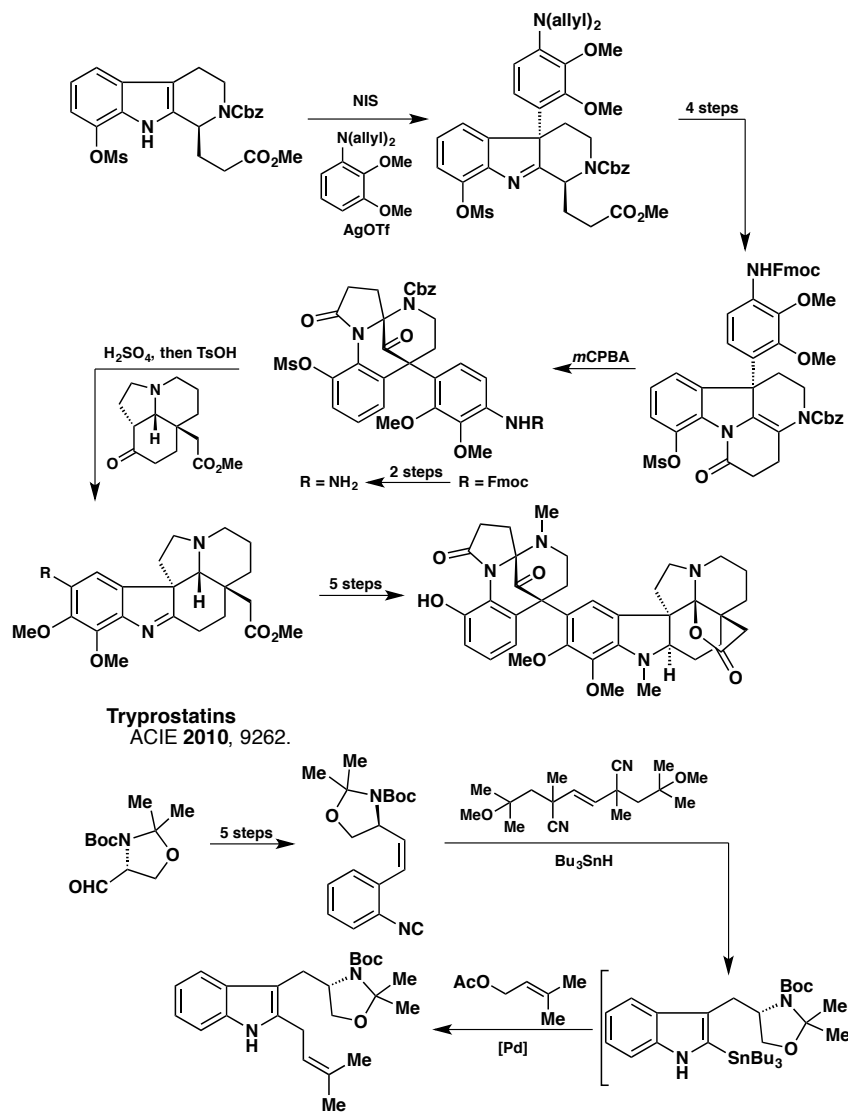
**Methodology alert!** *N,N'*-Ditosylhydrazine: A Convenient Reagent for Facile Synthesis of Diazoacetates  
Org. Lett. 2007, 3195.

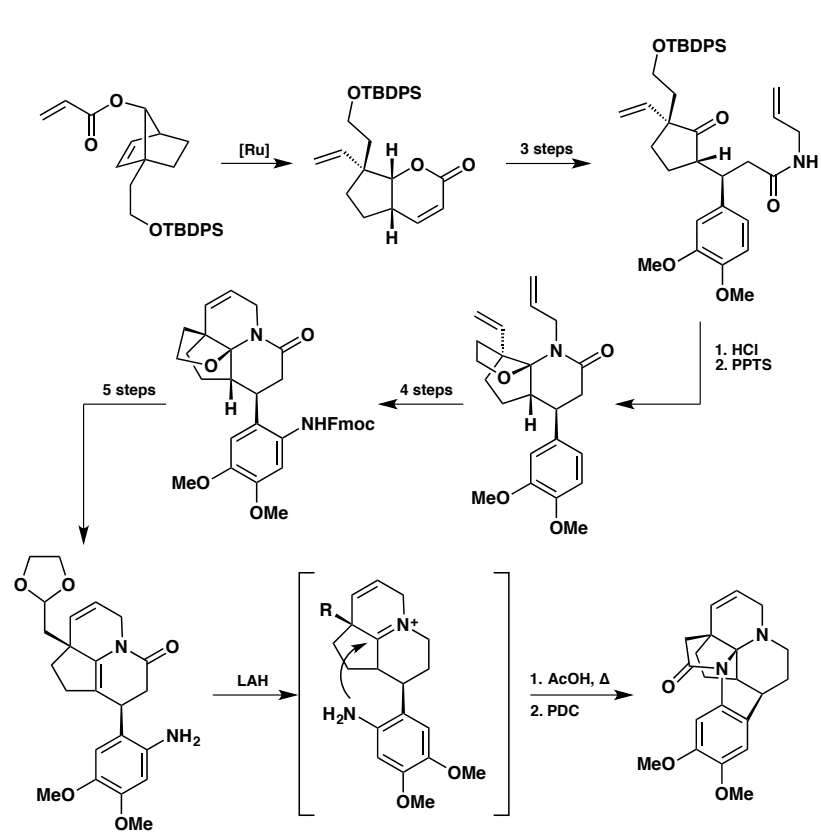


**Methodology alert!** *O*-TBS-*N*-tosylhydroxylamine: A Reagent for Facile Conversion of Alcohols to Oximes  
Org. Lett. 2008, 2259.









All the Amathaspiramides  
ACIE 2012, 2505.

