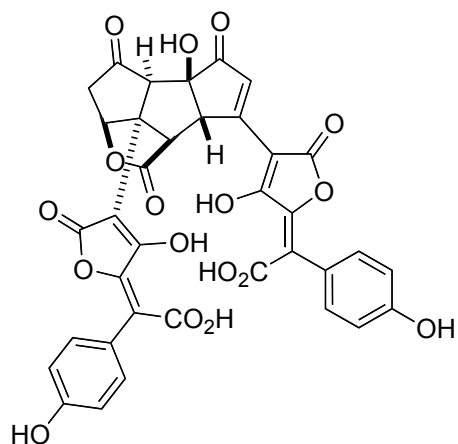


Trauner Group Meeting

Date: 7/8/04

Speaker: Paul A. Roethle - Progress Toward the Azaphilones

• Molecule of the Week:

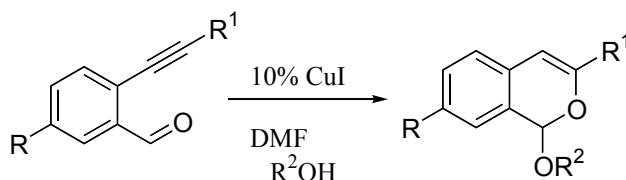


Scerocitrin

R. Hill et al. *Nat. Prod. Rep.* **2004**, 21, H9.

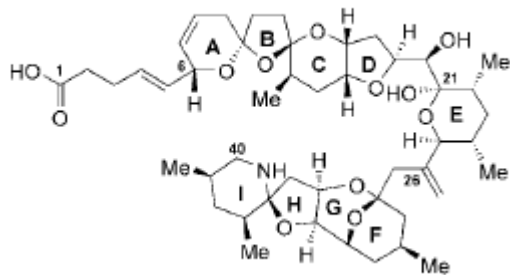
• Reaction/Method of the Week:

Copper catalyzed cyclization of
o-alkynylbenzaldehydes



N.T. Patil, Y. Yamamoto
J. Org. Chem. **2004**, ASAP

• Synthesis of the Week:

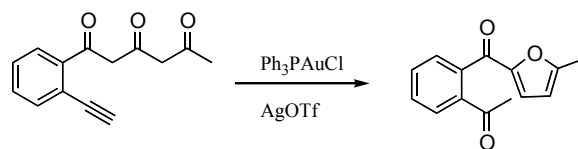


Azaspiracid-1

Nicolau et al, *Angew. Chem. Int. Ed.* **2004**, 43, 2-7.

- Interesting deprotection/double spirocyclization to afford the ABCD ring system
- Pd-catalyzed coupling of ABCD system with remaining carbons of natural product.
- Absolute structural definition accomplished

• Problem (or Numbers) of the Week:



See if you can come up with a mechanism for this.
We'll see if your's is better than mine tomorrow.

Fun Facts:

From October 2000 thru September 2001
Money in the U.S. spent on:
Alcohol: \$8.12 Billion
Tobacco: \$7.37 Billion
Firearms: \$175 Million

• Future order: G, Jenn, Retrosynthesis, Brooke, Dominik . . .