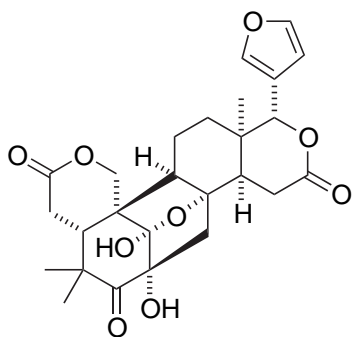


Heathcock-Trauner Group Meeting

Date: 09/18/01

Speaker: Josh Kennedy-Smith, *Approaches to the Guanacastepene Family of Natural Products: Development of Chiral Palladium(0)-Enone Complexes*

✦ Molecule of the Week:



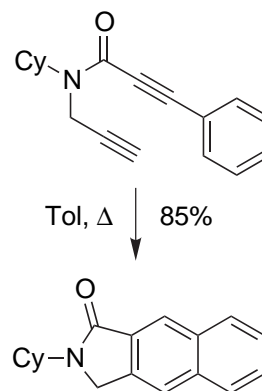
2-Hydroxy-seneganolide

- Cool structures...Worthless activity
- One of five new antifeedants from *Khaya senegalensis*, structural class apparently called mexicanolides.???

Nakatani et al *J. Nat. Prod.* **2001**, ASAP

✦ Reaction of the Week:

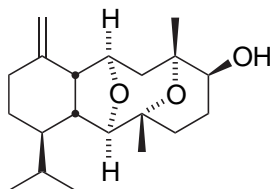
- Dehydro Diels Alder Reaction -



- Physical organic study of this reaction. Detection of strained intermediates discussed.

Saa and Dominguez et al. *JACS*, **2001**, 9178.

✦ Synthesis of the Week:



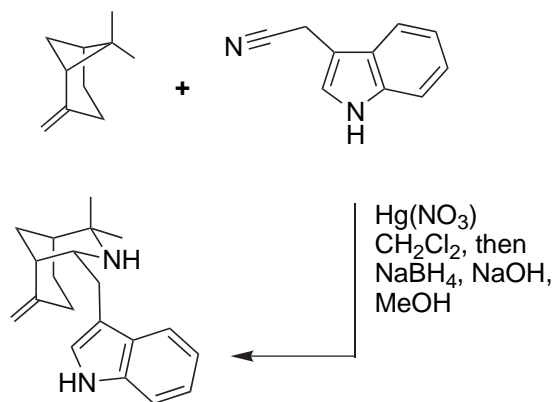
Sclerophytin A

- Revision of putative structure
- Published back to back with an Overman synthesis.

Paquette et al. *JACS*. **2001**, 9021.

✦ Problem of the Week:

- Provide a mechanism:



(-)-makomakine