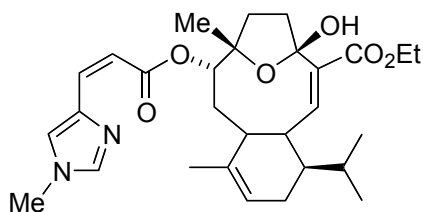


Trauner Group Meeting

Date: 8 May 2003

Speaker: Jeremiah Malerich (Biomimetic Total Synthesis of Pinnatal and Sterekunthal A)

◆ Molecule of the Week:

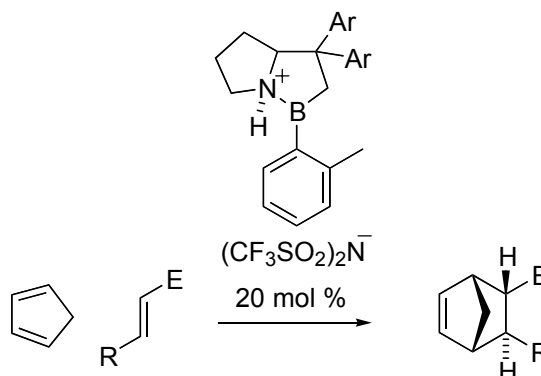


(Z)-Sarcodityin A

Y. Nakao et al. *J. Nat. Prod.* **2003**, 66, 524-527.

- isolated from South African soft coral *Eleutherobia aurea*
- title compound and derivatives show cytotoxicity against HeLa cell lines with IC₅₀'s 17-90 ng/mL

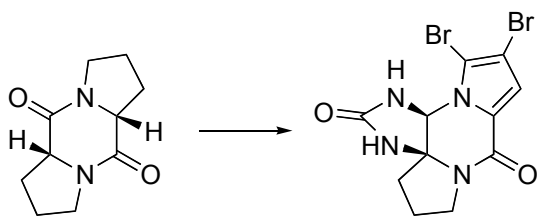
◆ Reaction/Method of the Week:



D. H. Ryu and Guess Who*, *JACS* **2003**, ASAP.

- yields 67-99 %, ee's 70-99 %
- dieneophiles: Cp, cyclohexadiene, 2- and 2,3-substituted butadienes
- dienes: fumarates, acrylates, enones, quinones

◆ Synthesis of the Week:



(+)-Dibromophakellstatin

K. G. Poullennec and D. Romo (Tx A&M) *J. Am. Chem. Soc.* **2002**, ASAP.

- desymmetrization of C₂-prolyl proline anhydride
- installation of 1,2-diamine by intramolecular Mitsunobu/Hofmann rearrangement sequence

◆ Numbers/Problem of the Week:

Numbers:

When planning your next high pressure reaction:

- 1 atm = 760 torr (mm Hg)
- = 14.7 PSI
- = 101,325 pascal
- = 1.01 bar

Problem:

When planning your next trip to Florida:

- 85% of people hit by lightning are men
- 35 years old is the average age of the victim

◆ Future order: Schraub, Beaudster, Retrosynthesis.