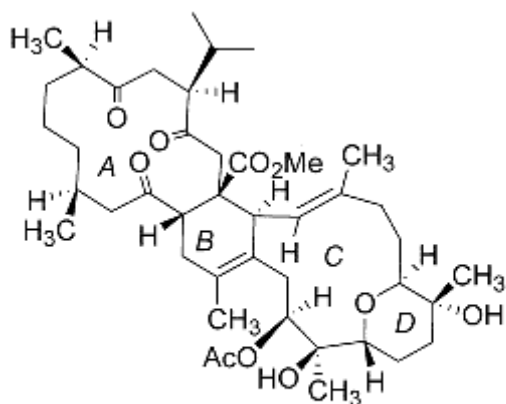


Trauner Group Meeting

Date: July 29, 2004

Speaker: Jennifer Barbarow (Current Research).

• Molecule of the Week:

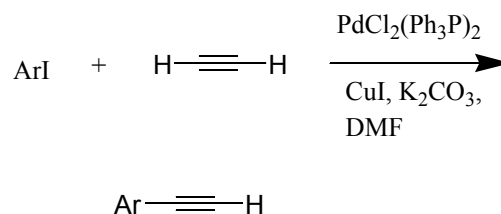


15 Nyalolide

Kashman, Y. et al. *J. Nat. Prod.* **2004**, ASAP

• Reaction/Method of the Week:

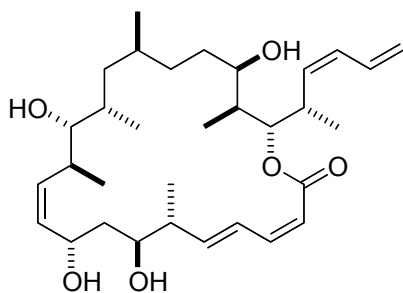
direct introduction of CCH residue into arenes to give arylacetylenes



Ar is both aromatic (substituted and non) and heteroaromatic

Vasilevsky, S. F. et al. *Tetrahedron* **2004**, ASAP

• Synthesis of the Week:



Dictyostatin

Curran, D. P. et al. *Angew. Chem. Int. Ed.* **2004**, 43, ASAP

- Corey-Fuchs olefination-elimination
 - Wittig-Hornor and Still-Gennari
 - End game of Saponification, Yamiguchi Lactonization
- Paterson, I. et al. *Angew. Chem. Int. Ed.* **2004**, 43, ASAP
- Still-Gennari, Stille,
- End Game of Macrolactonization to close ring as well.

• Problem (or Numbers) of the Week:

Bond Energies, average:

Single Bond:
H-C 100 kcal
H-N 93 kcal
H-O 110 kcal
C-C 81 kcal
C-N 69 kcal
C-O 84 kcal

Double Bond:
C-C 148 kcal
C-N 148 kcal
C-O 172 kcal

Triple Bond:
C-C 194 kcal
C-N 213 kcal

• Future order: G 8/5/04, Brooke 8/19/04, Dominik 8/26/04 retrosynthesis meeting, 8/12/04.