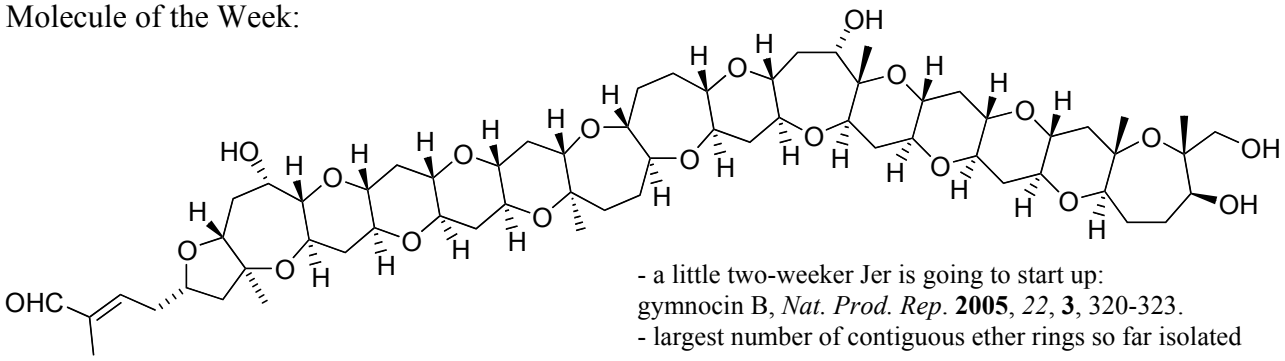
Trauner Group Meeting

Date: 7/21/05

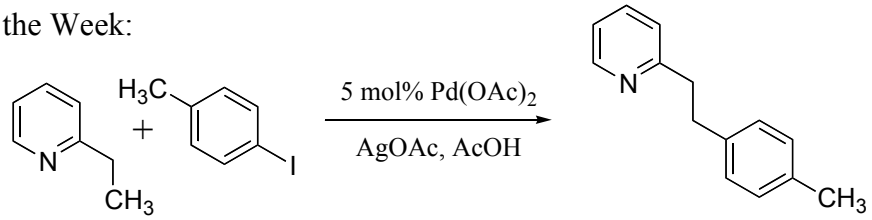
Speaker: JP Lumb- Towards the synthesis of naphthohydroquinone dimers from rubiaceae.

• Molecule of the Week:



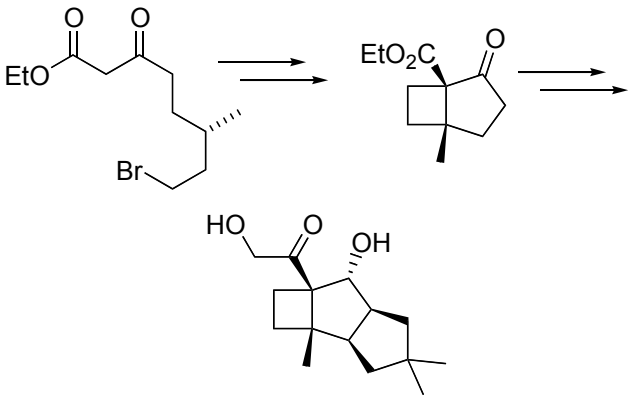
- a little two-weeker Jer is going to start up:
gymnocin B, *Nat. Prod. Rep*. **2005**, *22*, **3**, 320-323.
- largest number of contiguous ether rings so far isolated

• Reaction/Method of the Week:



- catalytic coupling of C-H and C-I bonds using pyridine as a directing group
- Daugulis, O. *Org. Lett*., ASAP.

• Synthesis of the Week:



sulcatine G
Taber, JOC, ASAP

- Rh catalyzed C-H bond activation followed by intramolecular alkylation to afford core [3.2.0]bicycloheptane

• Problem (or Numbers) of the Week:

- napnthalene resonance energy = 60 kcal/mol
- isolated benzene resonance energy = 36 kcal/mol

Pressure:
1 psi = 0.0689476 bar
your bike tire is inflated to roughly 40-60 psi
High-Pressure:
our pressure generator routinely opperates at 12.4 kbar
or 180,000 psi (put that in your pipe and smoke it!)

• *Future order: retrosynthesis meeting, Stefan, Beaudry*