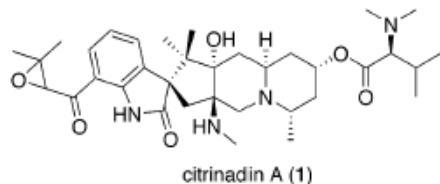


Trauner Group Meeting

Date: 8. 5. 04

Speaker: G. Liang (thesis research).

• Molecule of the Week:



A novel pentacyclic alkaloid isolated from the cultured broth of the fungus *Penicillium citrinum*, which was separated from a marine red alga.

Kobayashi J. et al. *Org. Lett.* **2004**, ASAP

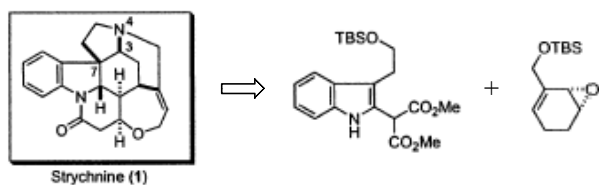
• Reaction/Method of the Week:

Highly Enantioselective Catalytic Acyl-Pictet-Spengler Reactions



Mark S. Taylor and Eric N. Jacobsen
J. Am. Chem. Soc. **2004**, ASAP

• Synthesis of the Week:

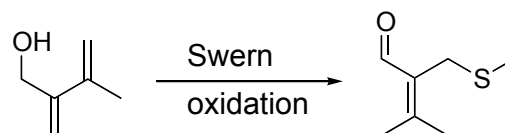


Fukuyama T. et al, *J. Am. Chem. Soc.* **2004**, ASAP

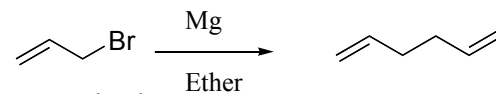
- nitrobenzenesulfonamide chemistry in constructing the medium-sized cyclic amine.
- A beautiful tandem sequence building three fused rings in one pot which involves a mild deprotection of nitrobenzenesulfonamide, the formation of an iminium ion and a nucleophilic attack of the iminium ion by the indole moiety

• Problem (or Numbers) of the Week:

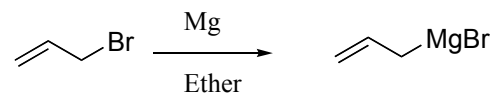
How does this work?



A lesson G. learned in making allylic Grignard reagent



From a bottle labeled as "stabilized"



From a different bottle not specified as "stabilized"

• Future order: Marc (8.12), retrosynthesis (8.19), Brooke (8.26), J.P. (9.9)