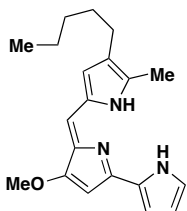


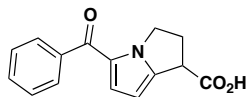
Monday, April 4th, 2011

Background music: Rachmaninoff, Symphony #1

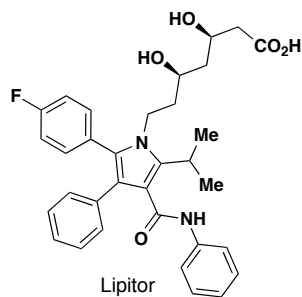
Syntheses discussed:



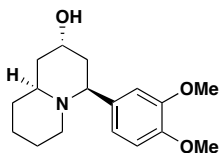
prodigiosin
Review: Fürstner, *Angew. Chem. Int. Ed.* **2003**, 42, 3582



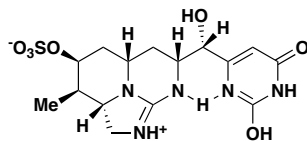
ketorolac
Review: Muchowski,
Adv. Med. Chem.
1992, 1, 109



Roth *Tetrahedron Lett.* **1992**, 2279, 2283



lasubine II
Comins *J. Am. Chem. Soc.* **1988**, 110, 7445



cylindrospermopsin
Snider *J. Am. Chem. Soc.* **2000**, 122, 5017

Reading assignment: HC chapters 1-2

Partial list of concepts/transforms discussed:

Electrophilic substitution at ring carbon atoms

McFayden-Stevens reduction

Stetter reaction

Nucleophilic substitution at ring carbon atoms

Meisenheimer complex

Ziegler reaction

Chichibabin amination

Comins' pyridinium salt method for alkaloid synthesis

S_NEA (Substitution Nucleophilic Elimination Addition)

Vicarious nucleophilic substitution

Bamberger cleavage

Reissert reaction

Zincke reaction

Problems of the day:

