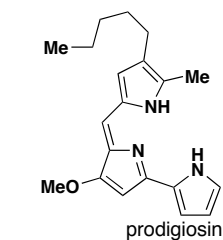
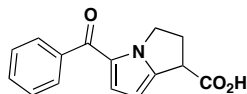
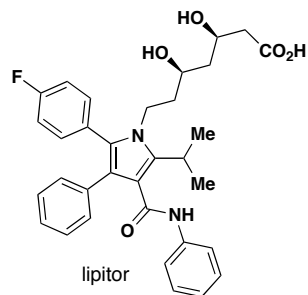
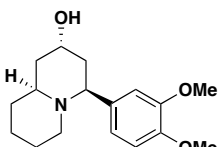
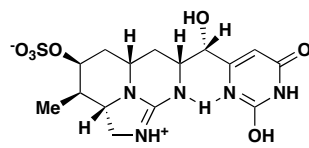


Tuesday, April 1st, 2008**Background music:** Rachmaninoff, symphony # 1**Syntheses discussed:**Review: Furstner, *Angew. Chem. Int. Ed.* **2003**, *42*, 3582Review: Muchowski,
Adv. Med. Chem.
1992, *1*, 109Roth *Tetrahedron Lett.* **1992**, 2279, 2283Comins *J. Am. Chem. Soc.* **1988**, *110*, 7445Snider *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: