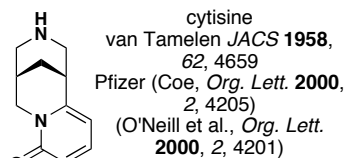
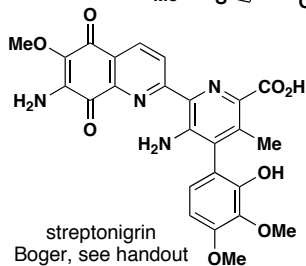
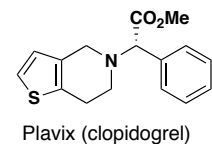
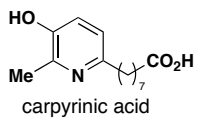
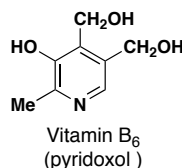
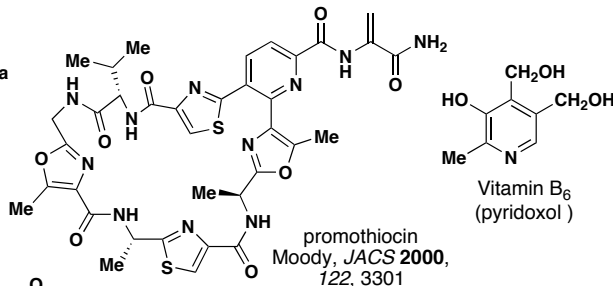
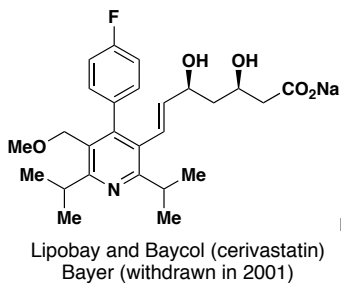
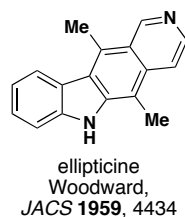
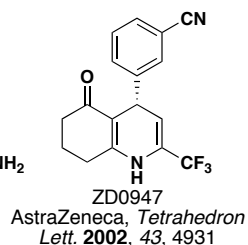
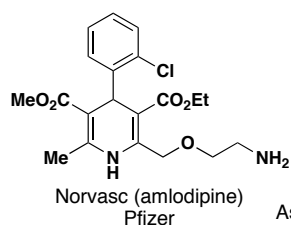
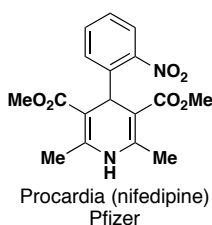


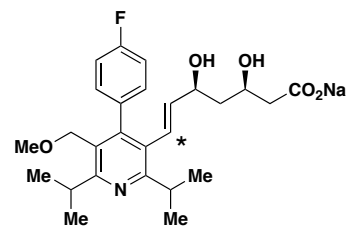
Thursday, April 14th, 2011**Background music:** Mendelssohn, Symphony #4**Syntheses discussed:****Reading assignment:** Li chapter 8; HC chapter 5; O'Malley handout; Boger *Chem. Rev.***Partial list of concepts/transforms discussed:**

Pyridine ring forming reactions:

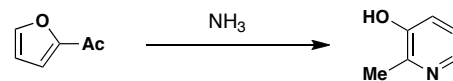
- Hantzsch
- Guareschi–Thorpe
- Krohnke
- Bohlmann–Rahtz
- Boger cycloadditions: triazines and N-sulfonyl-1-aza butadienes
- Ciufolini type
- Hammick reaction

Problems of the day:

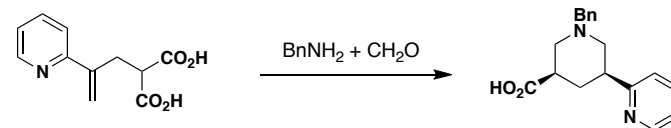
- ① Propose a synthesis of Baycol and its ¹⁴C labeled analog:



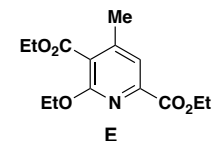
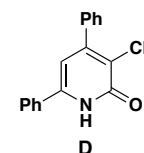
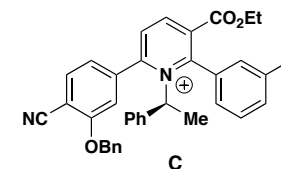
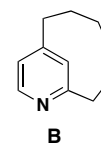
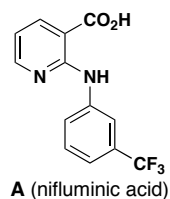
- ② Explain:



- ③ Mechanism:



- ④ Provide routes to the following compounds:



- ⑤ Propose a pathway to fusarinic acid:

