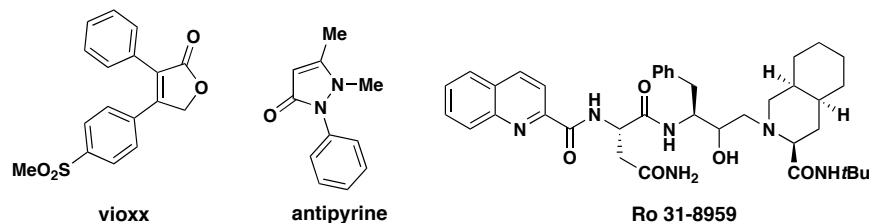


Monday, March 31<sup>st</sup>, 2008**Background music:** Antonin Dvorak: Symphony # 9; string serenade in E**Syntheses discussed:***Reading assignment:* HC, chapter 1**Partial list of concepts/transforms discussed:**

Four main types of heteroaromatic compounds

Aromaticity as a useful guide to understanding reactivity:

- A. Tendency to give addition products rather than substitution products increases as aromaticity decreases
  - B. Cyclic transition state reactions become far more favored as aromaticity decreases
  - C. Tautomeric structure is greatly influenced by the degree of aromaticity
  - D. Facility to undergo unimolecular reactions increases as aromaticity decreases
- Photochemical ring isomerizations

Electrophilic attack at nitrogen

Dondoni aldehyde synthesis

**Problems of the day:**