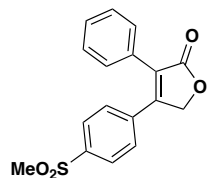
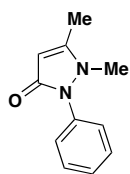
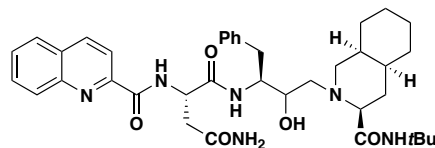


Thursday, March 31st, 2011**Background music:** Antonín Dvorák, Symphony #9, string serenade in E**Syntheses discussed:**

Vioxx



antipyrine



Ro 31-8959

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

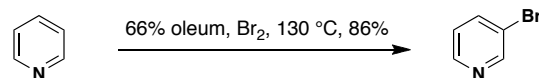
Photochemical ring isomerizations

Electrophilic attack at nitrogen

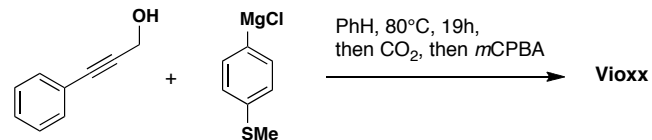
Dondoni aldehyde synthesis

Problems of the day:

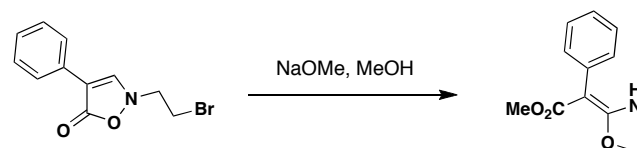
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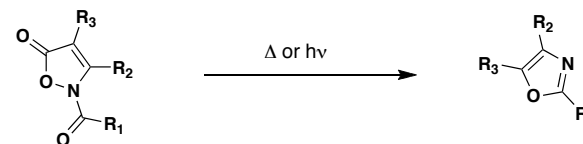
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③



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