

Introduction to Chem 335

Drugs

How to understand the reactivity of complex molecules

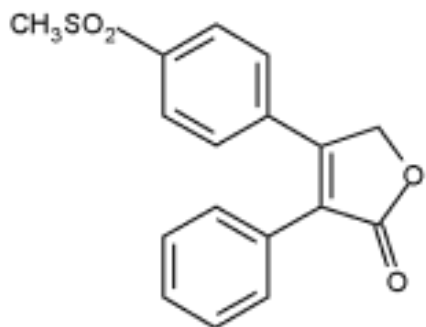
Acidity and Basicity

Electron-rich (nucleophilic) and electron-poor (electrophilic) sites

Arrows!

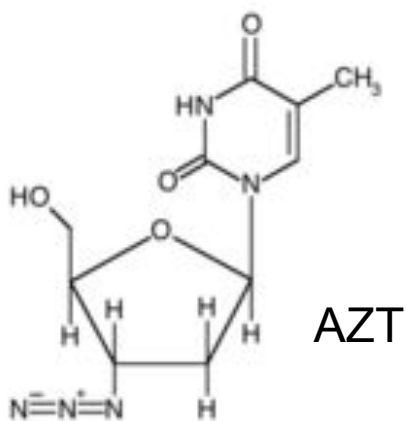
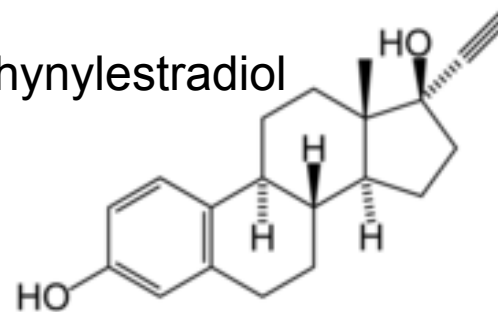
Functional groups

Proton, proton, who's got the proton? - acidic sites

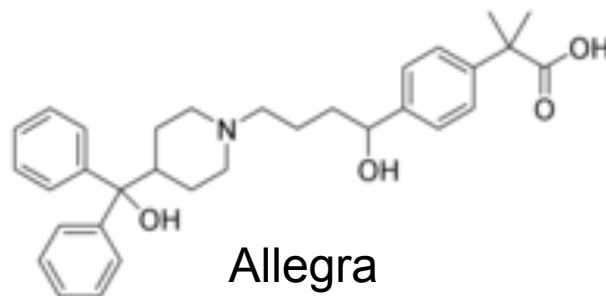


Vioxx

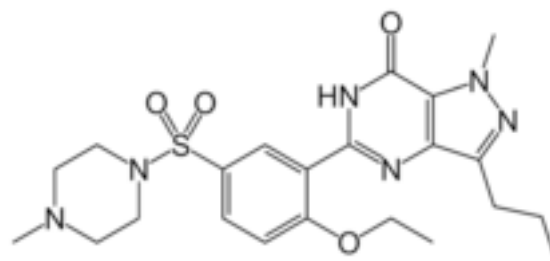
Ethinylestradiol



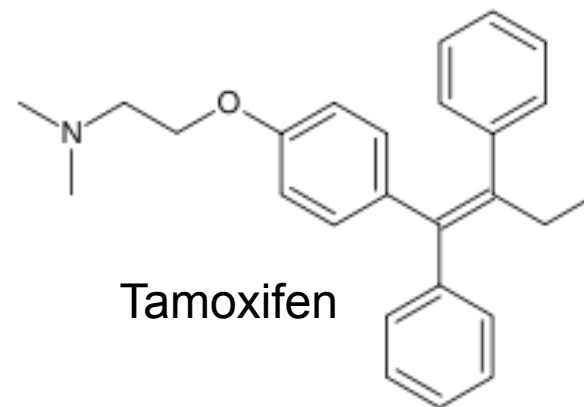
AZT



Allegra

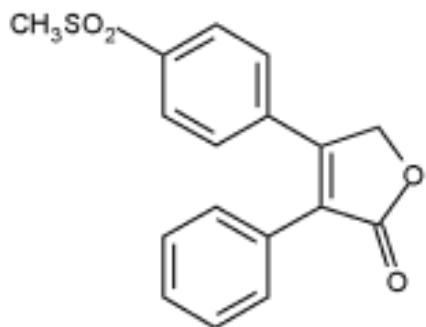


Viagra



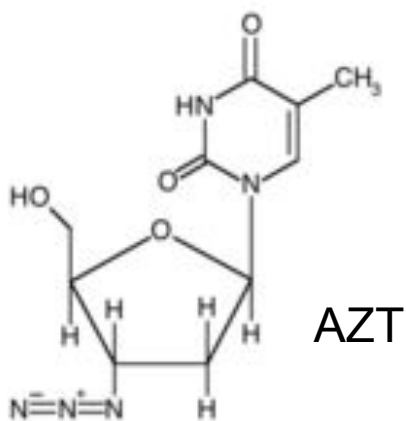
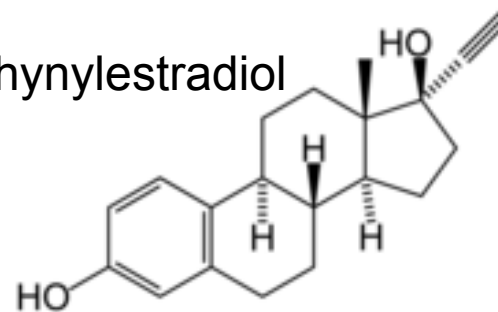
Tamoxifen

Proton, proton, who's got the proton? - basic sites

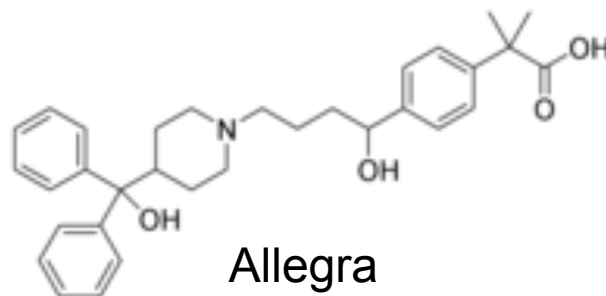


Vioxx

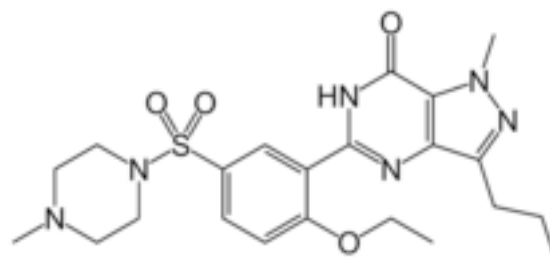
Ethinylestradiol



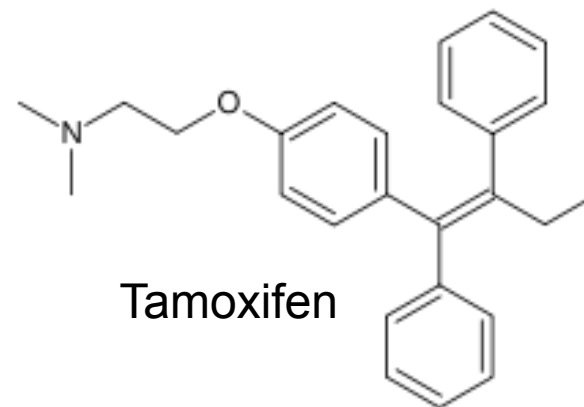
AZT



Allegra



Viagra



Tamoxifen