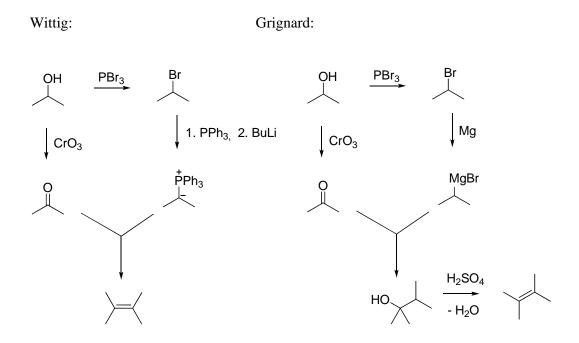
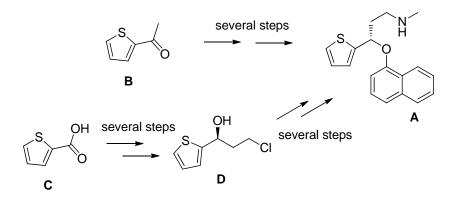
Drug Synthesis II, 2012, Homework 3

Name:_____

(1) Show how to synthesize 2,3-dimethyl-2-butene, beginning with 2-propanol as the only carbon source (4p)



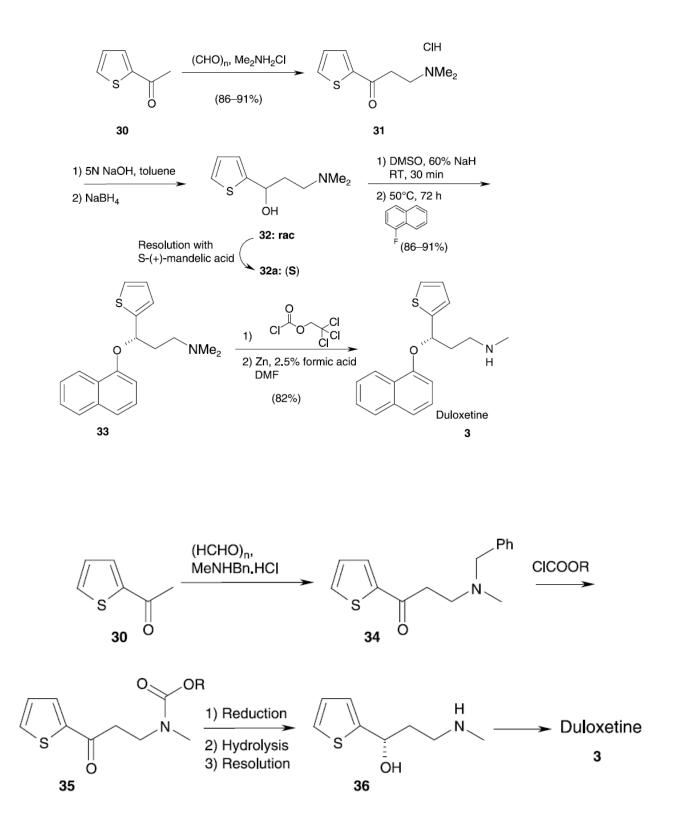
(2) A is a drug used to treat depression. It can be synthesized from 2-acetylthiophene B or alternatively from thiophene carboxylic acid C via enantiomeric chloroalcohol D. Propose a reasonable synthetic routes to prepare A from B and C? Notice the chiral center of intermediate D and propose method for asymmetric synthesis. (6p)



Drug Synthesis II, 2012, Homework 3

Name:_

From book: The Art of Drug Synthesis by Douglas S. Johnson (Editor) and Jie Jack Li (Editor)



Drug Synthesis II, 2012, Homework 3



