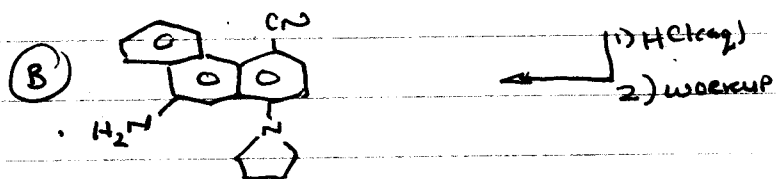
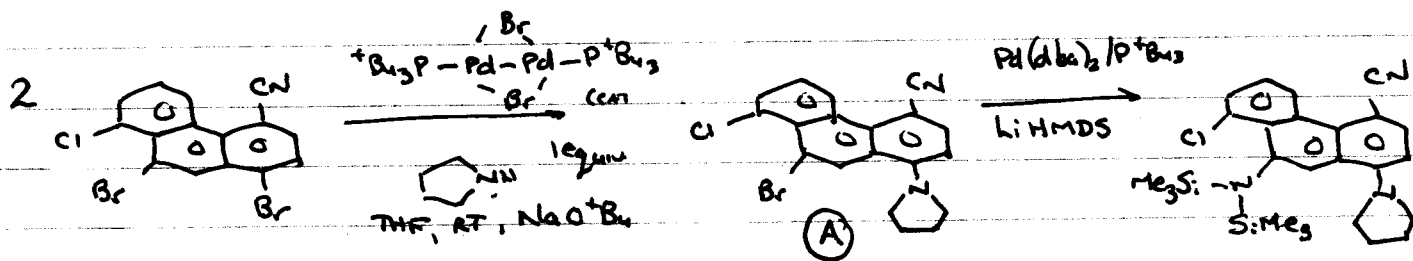
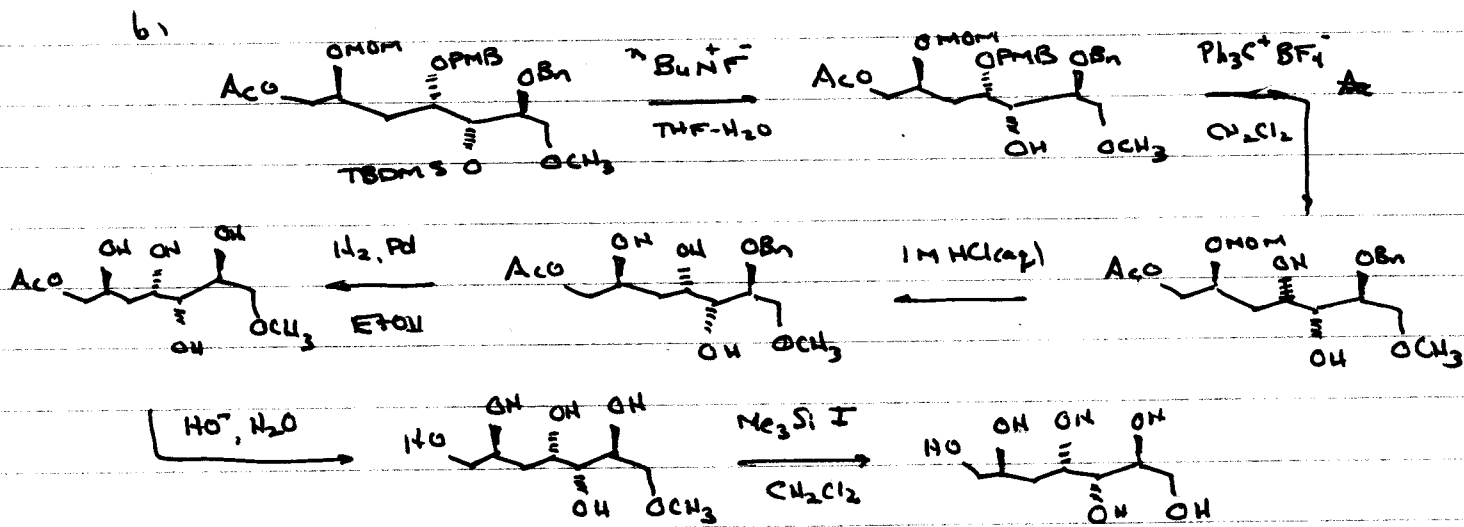
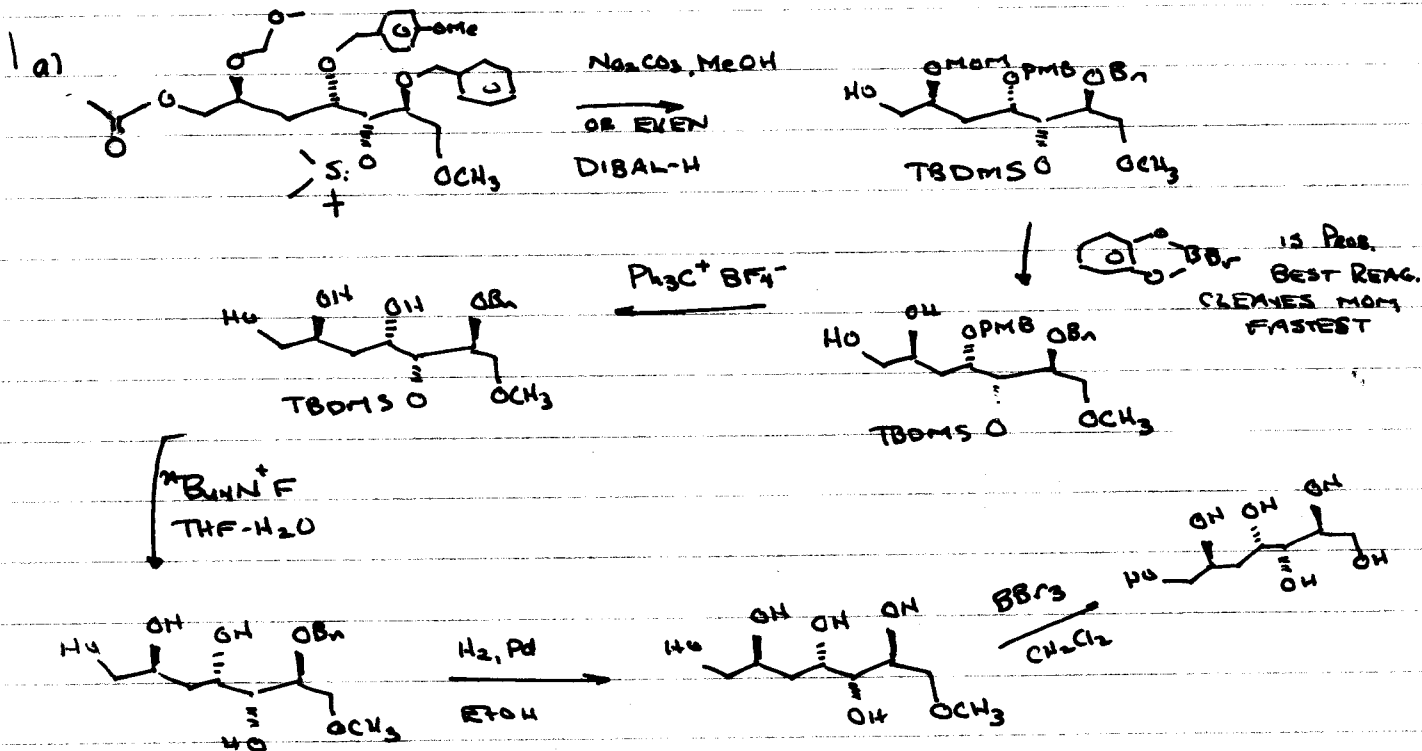
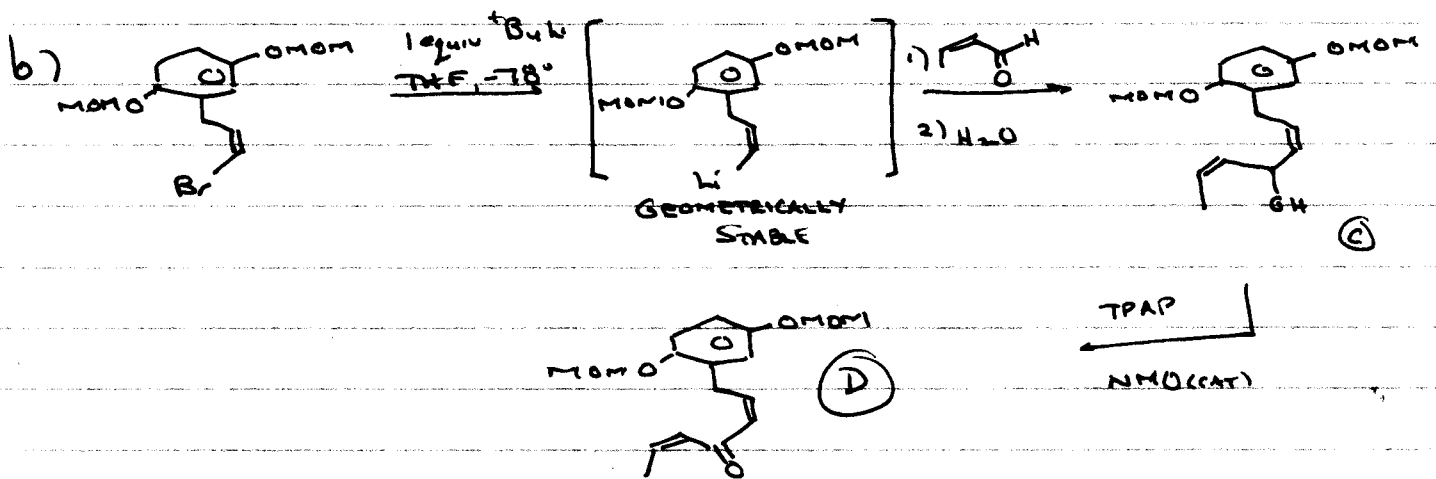


59-531

ASSIGNMENT #2 WINTER 2007

SUGGESTED SOLUTIONS





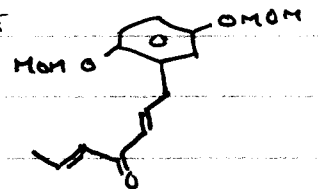
THIS IS SUCH A FRAGILE
SUBSTRATE BECAUSE

i) THE MOM'S ARE ACID SENSITIVE, BUT THIS IS THE LEAST OF OUR PROBLEMS.

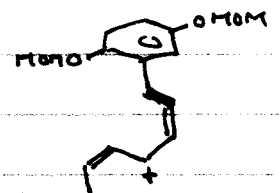
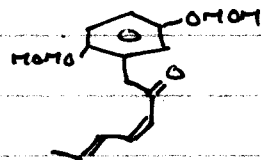
ii) THE ONE DOUBLE BOND COULD EASILY ISOMERIZE INTO CONJUGATION WITH THE BENZENE I.E.

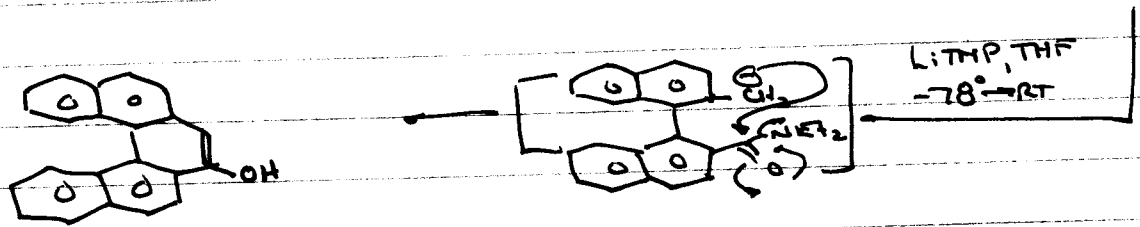
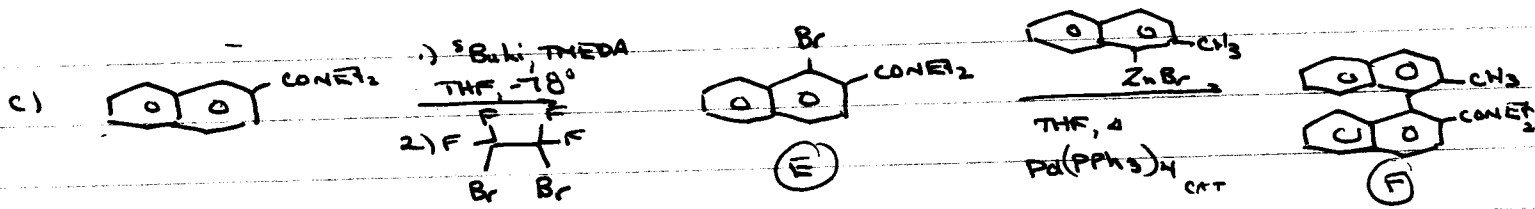


iii) AND THIS IS THE REAL TOUCHY ONE: THOSE (Z)-C=C BOND ARE VERY PRONE TO ISOMERIZATION TO THE (E)- ISOMERS UNDER SUCH A TRANSFORMATION. I'D BET PDC/PCC, AND MAYBE EVEN A SWERN, WOULD GIVE OR SOMETHING LIKE THAT

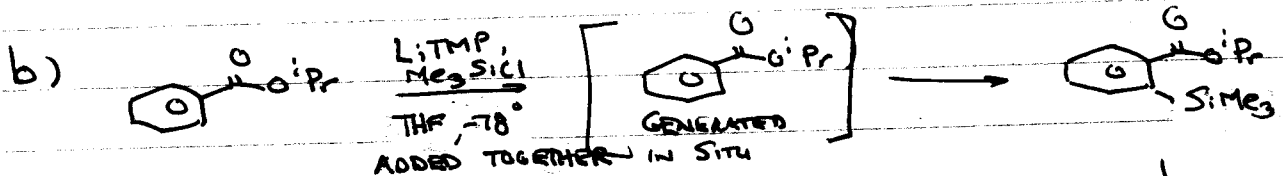
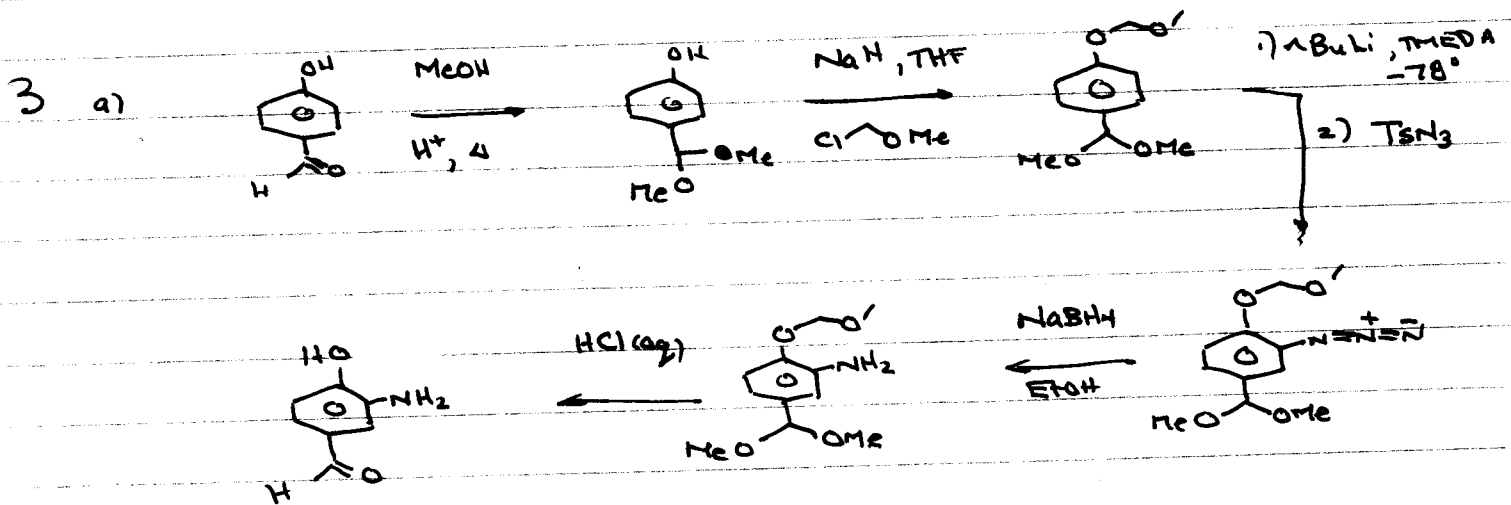


iv) THAT IS A DIENYLIC ALCOHOL, WHICH WOULD EASILY GIVE WHICH WOULD ISOMERIZE TO OTHER ALCOHOLS BEFORE OXIDATION. I.E.





SEE SWEICKUS, V. CHEM REV. 1990, 90, 879 (SEE p. 928)



SEE MARTIN, J.C. J. AM. CHEM. SOC. 1983, 105, 6155.
 OR VEDSØ, P. ORG. LETT. 2001, 3, 1435.

S: OBTAIN DIRECTS Br^+ TO THE 'IPSO' POSITION.

