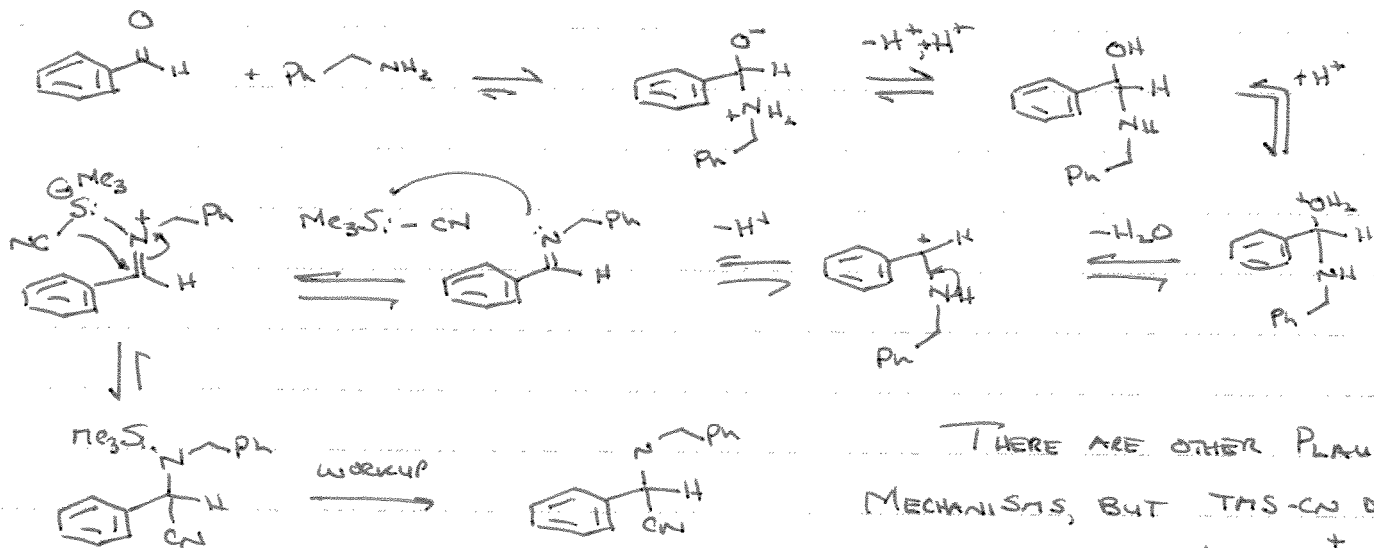


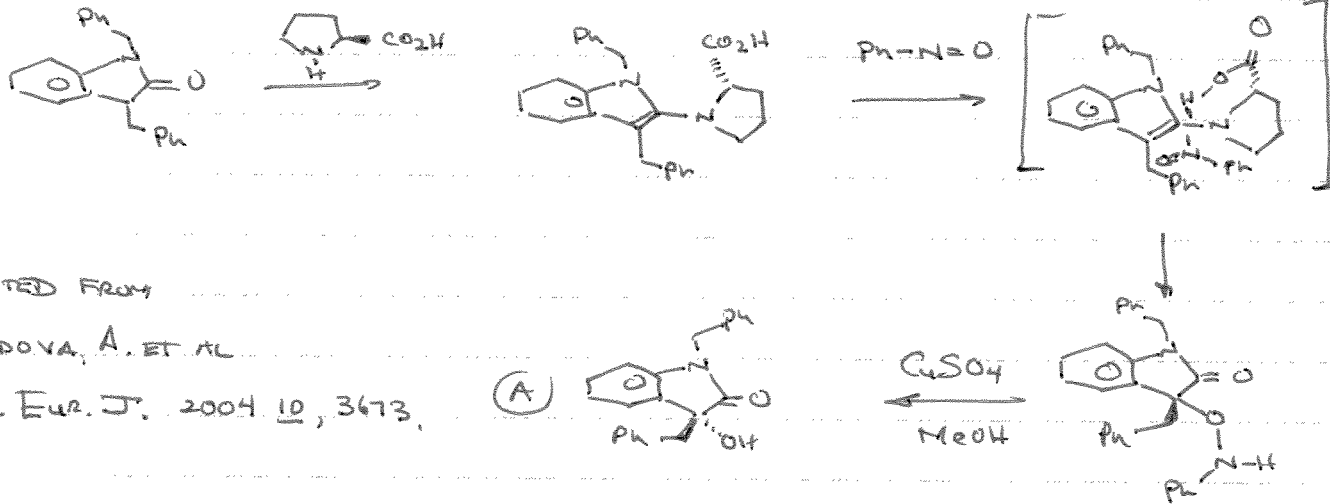
ASSIGNMENT # 1 - SUGGESTED SOLUTION

1.



THERE ARE OTHER PLAUSIBLE MECHANISMS, BUT TMS-CN DOESN'T DO $\text{Me}_3\text{Si}-\text{CN} \rightleftharpoons \text{Me}_3\text{Si}^+ + \text{CN}^-$ ON ITS OWN

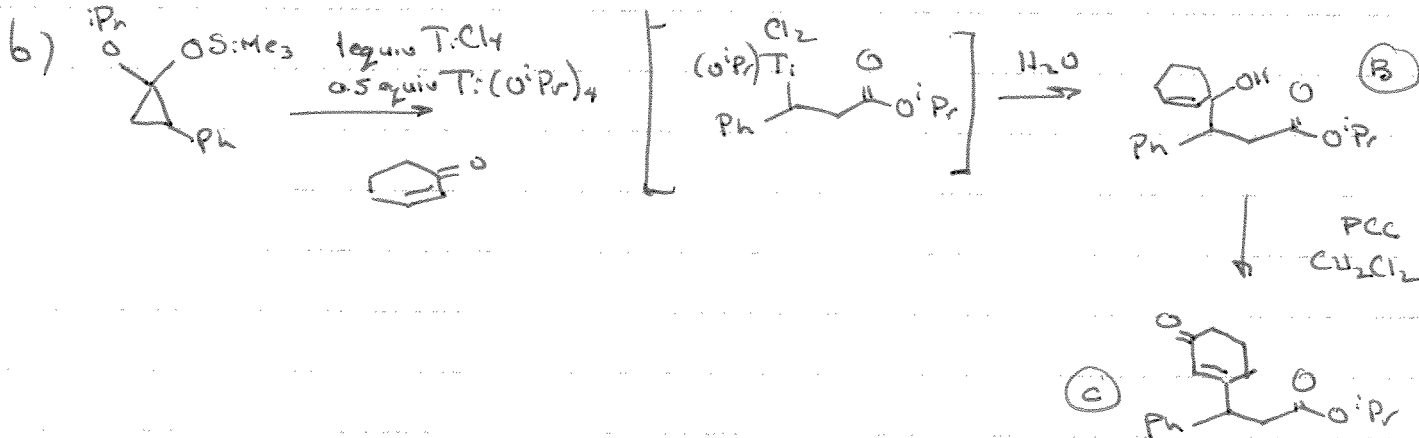
2a)

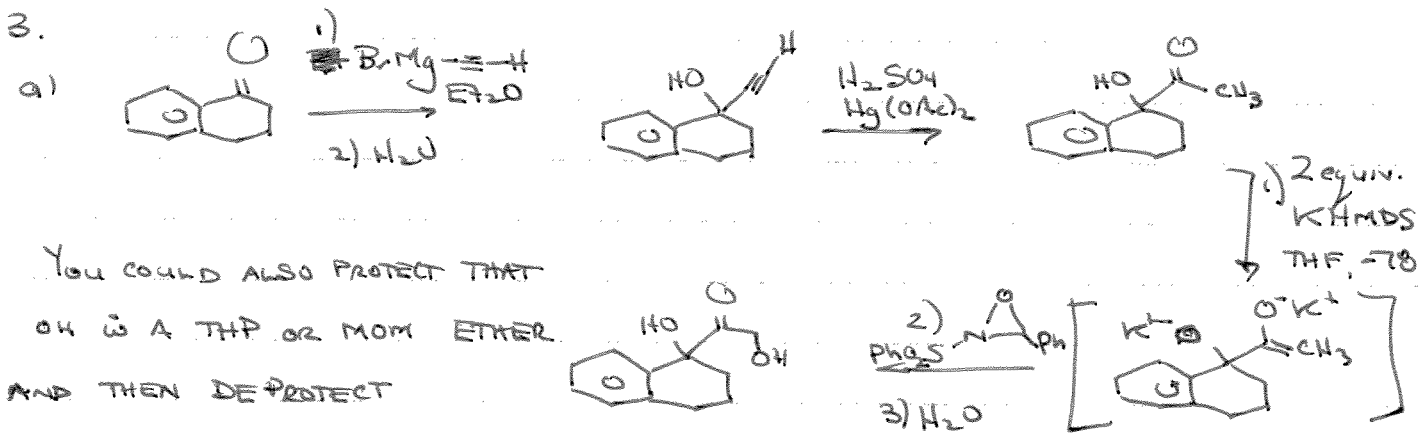
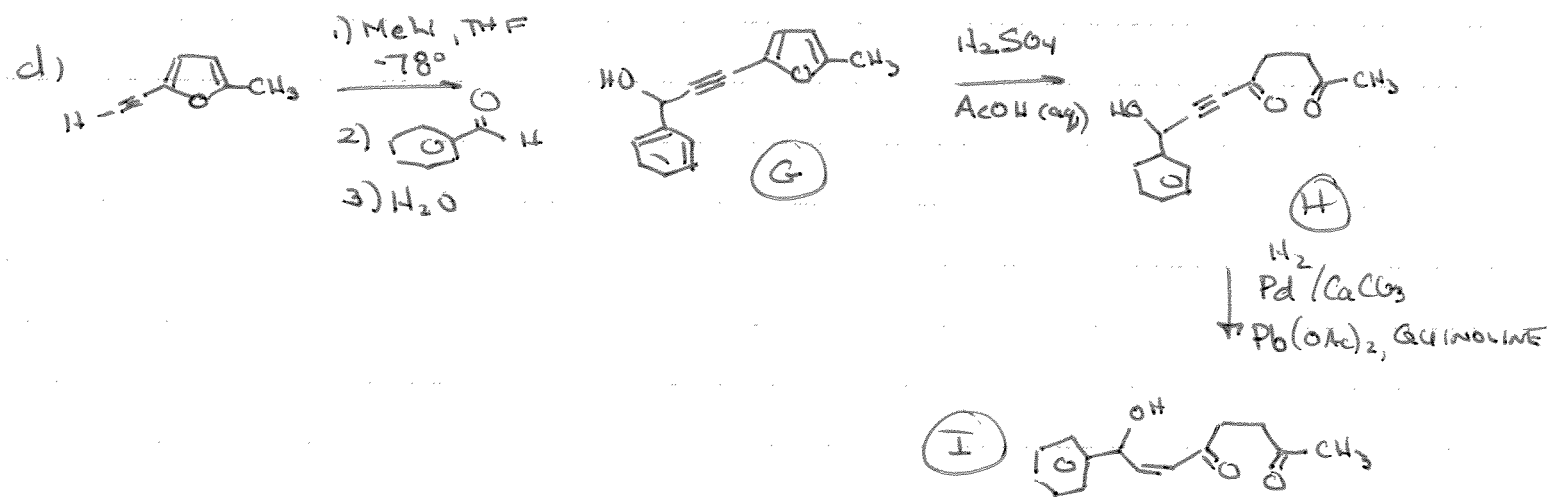
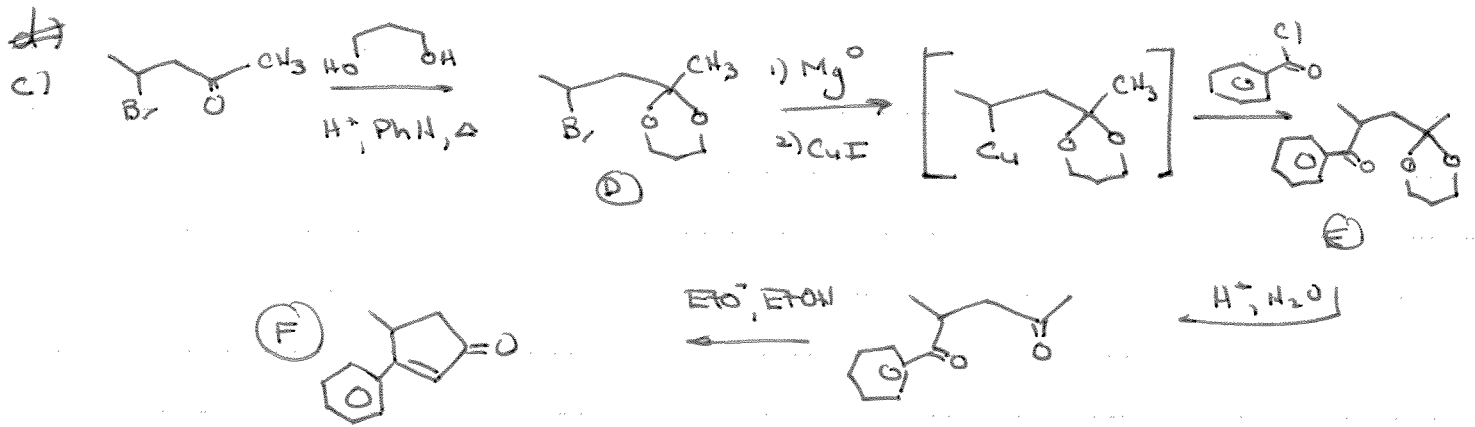


ADAPTED FROM

CORDOVA, A. ET AL

CHEM. EUR. J. 2004 10, 3673.





You could also protect that OH as a THP or MOM ETHER AND THEN DEPROTECT

