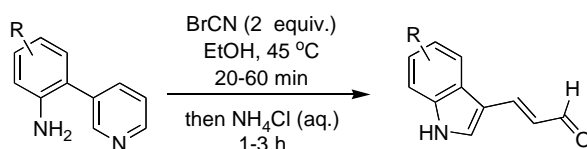


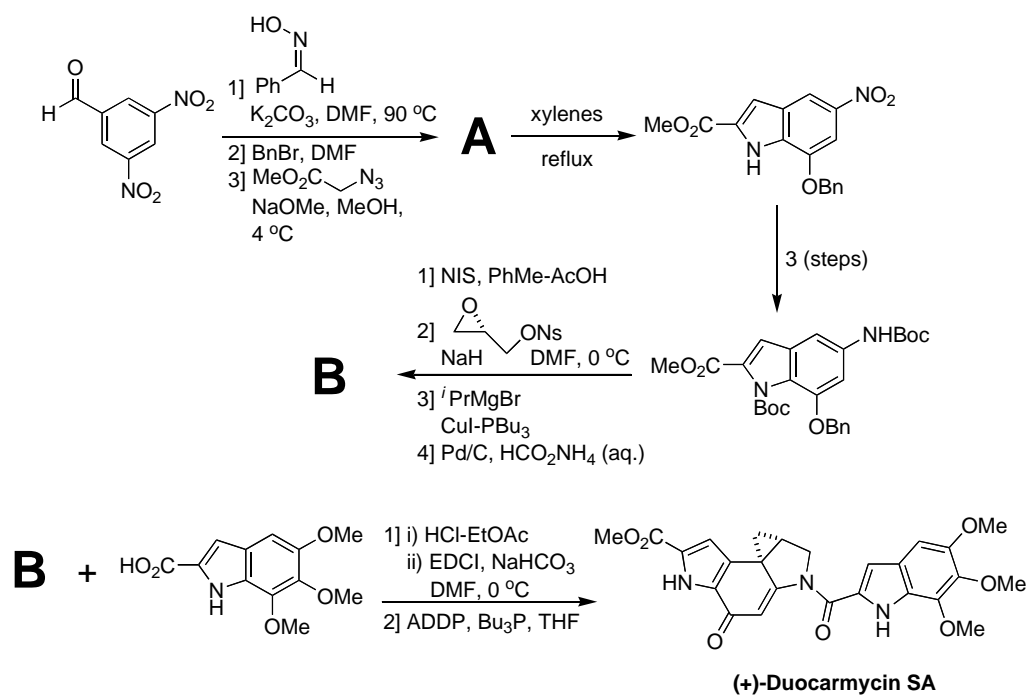
## RET Problems

28/11/06

1. A short indole synthesis to get started with. Mechanism please.

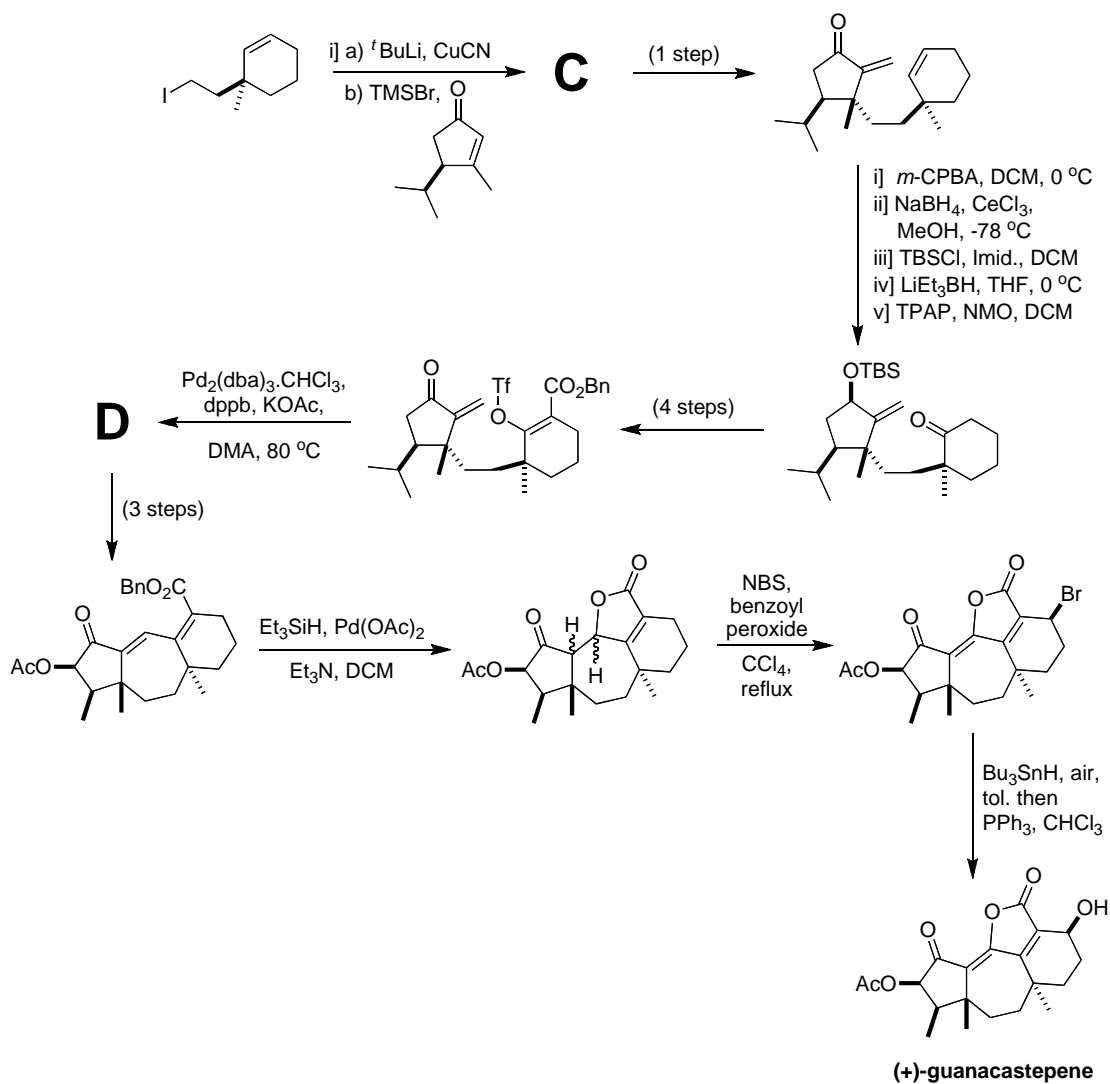


2. A short synthesis of duocarmycin SA. Please provide mechanisms and missing structures and reagents.



ADDP = 1,1'-(Azodicarbonyl)dipiperidine (Mitsunobu reagent)

3. A synthesis of (+)-guanacastepene demonstrating some interesting mechanistic steps. Have fun!!



DPPB = 1,4-bis(diphenylphosphino)butane