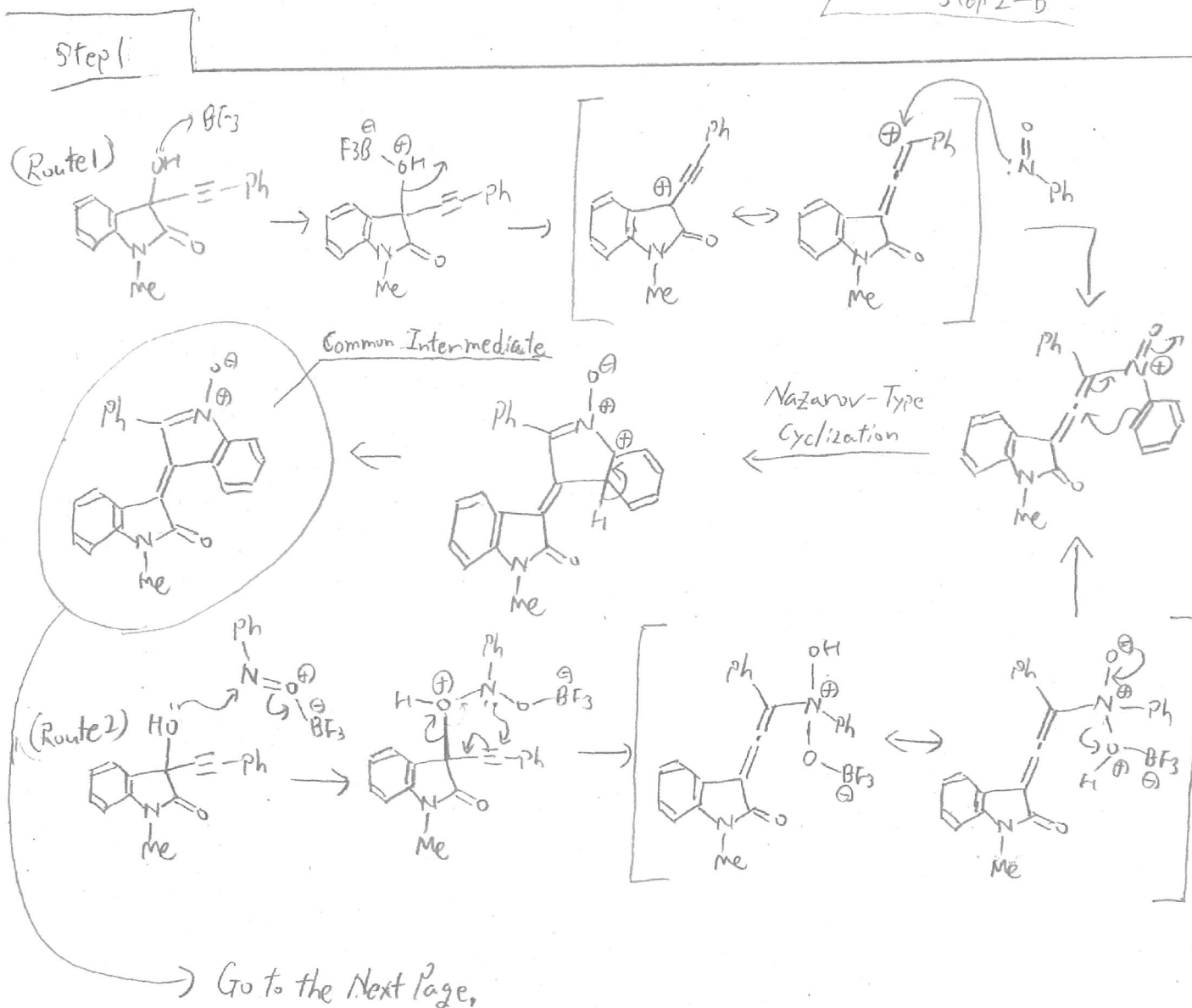
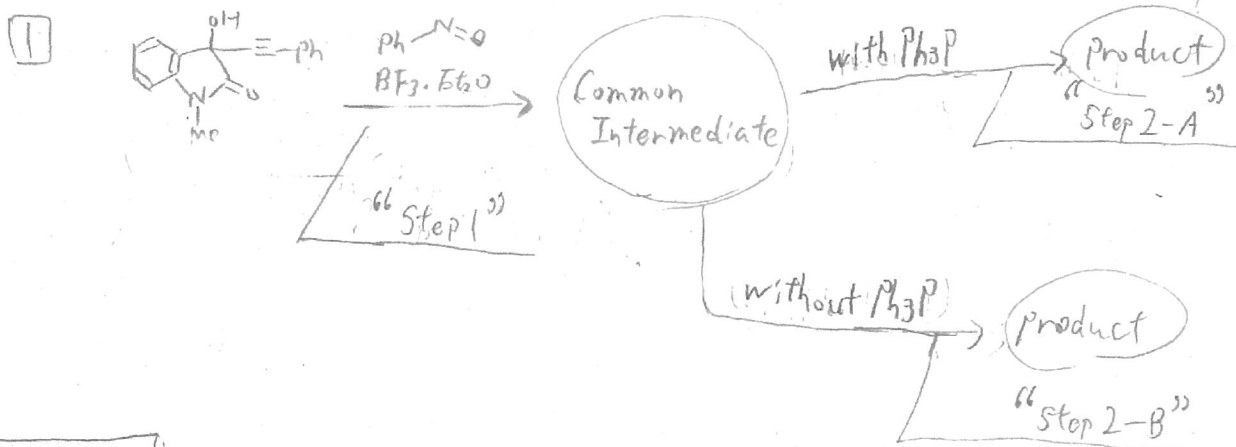
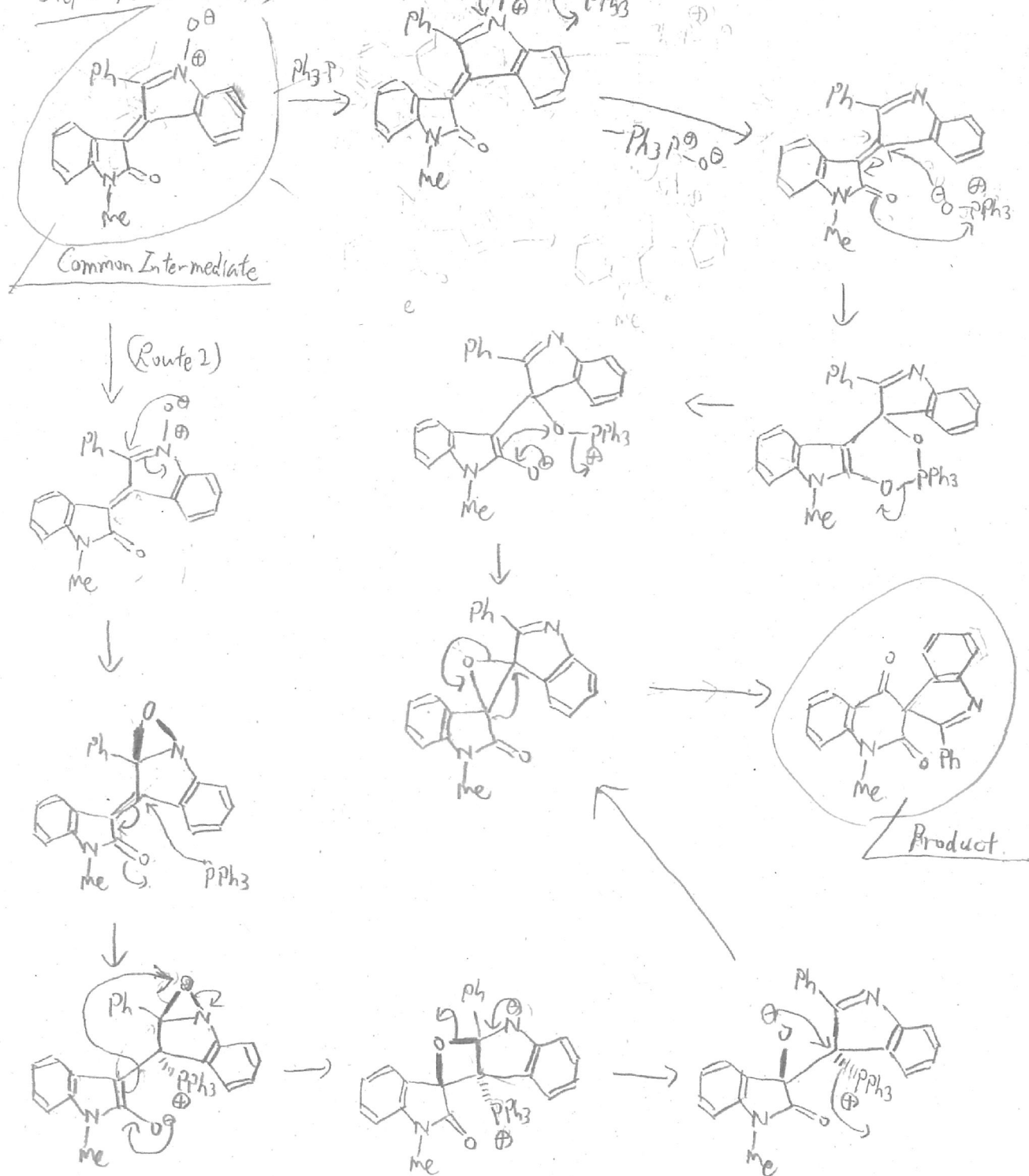
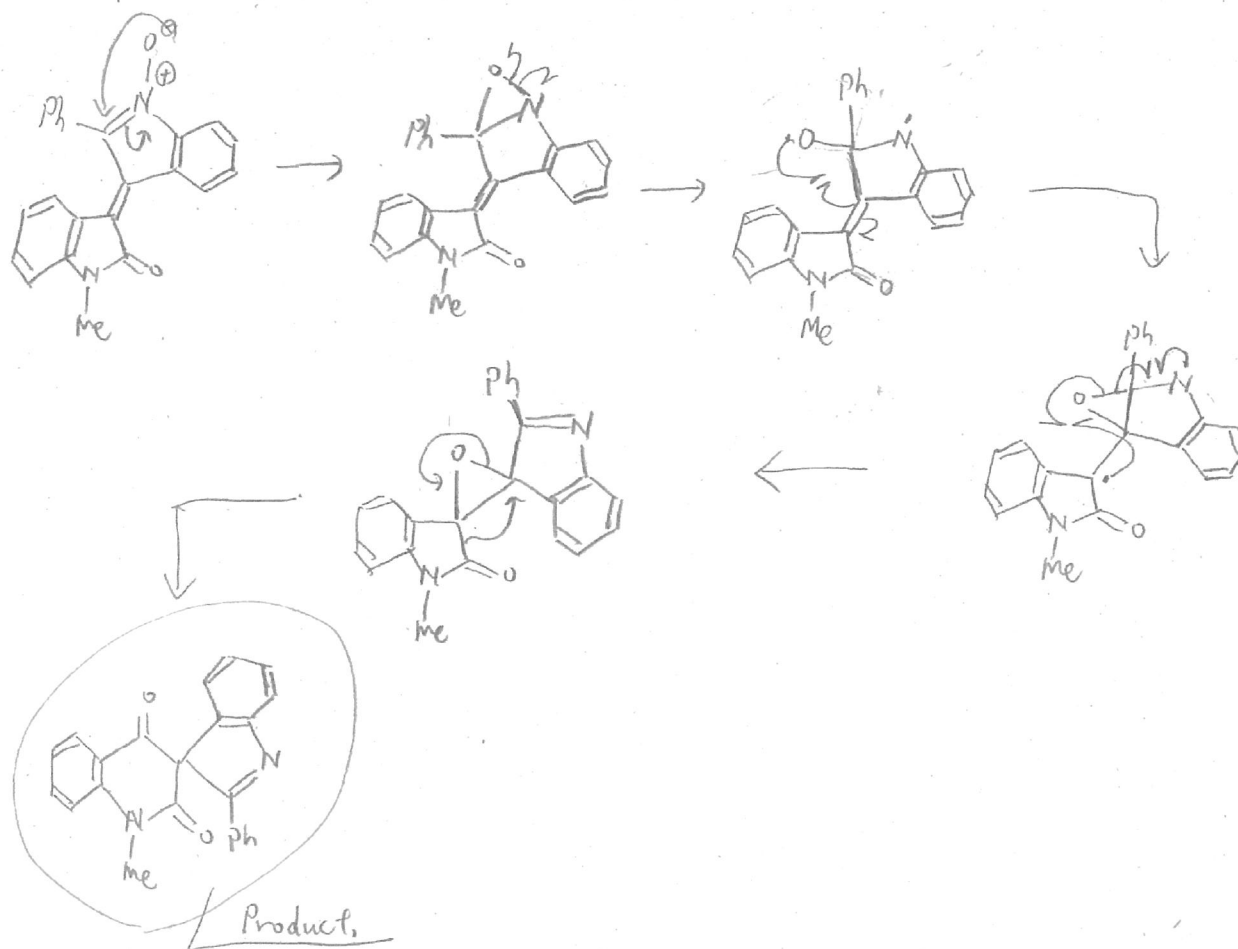




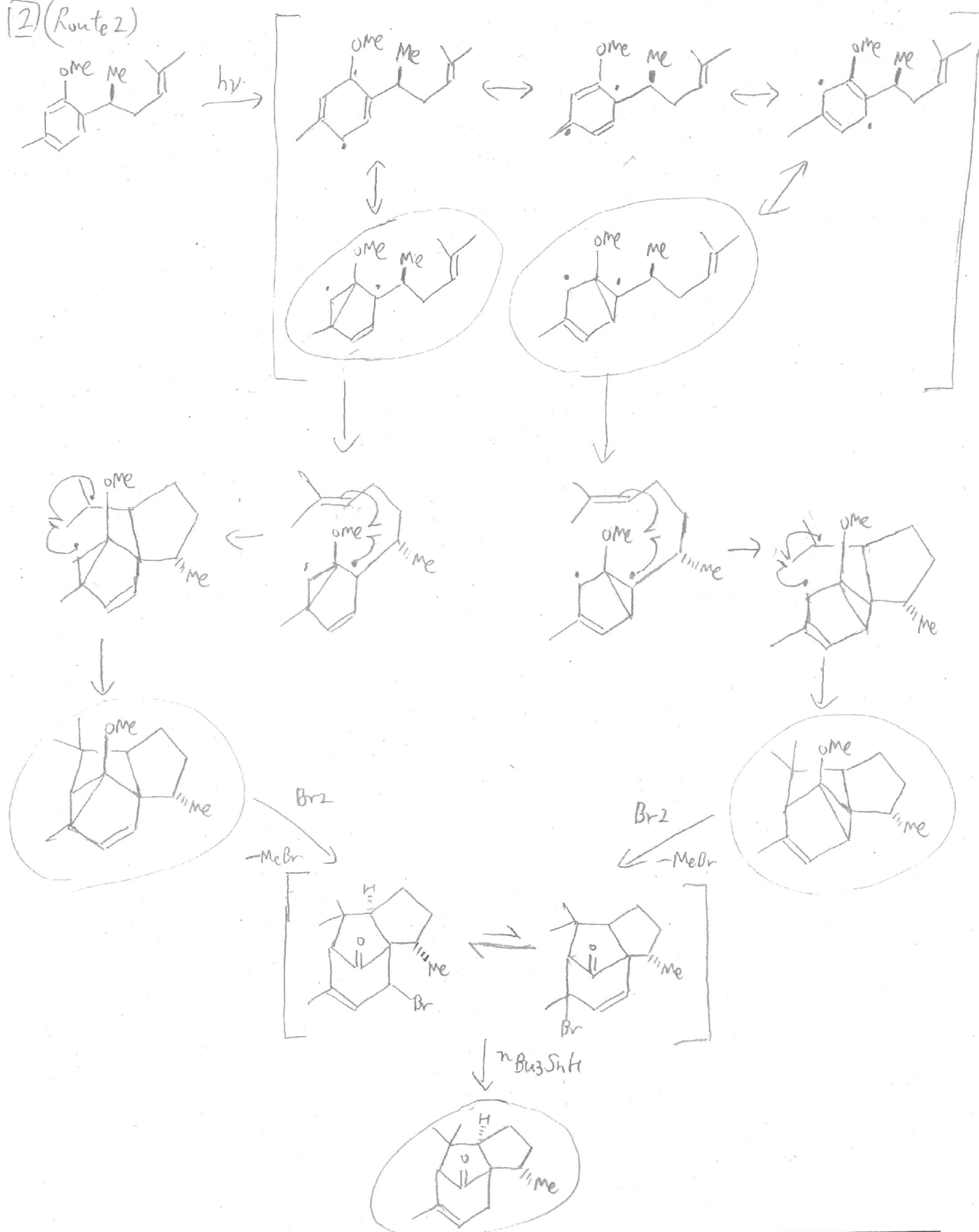
Step 2-A (with PPh_3)

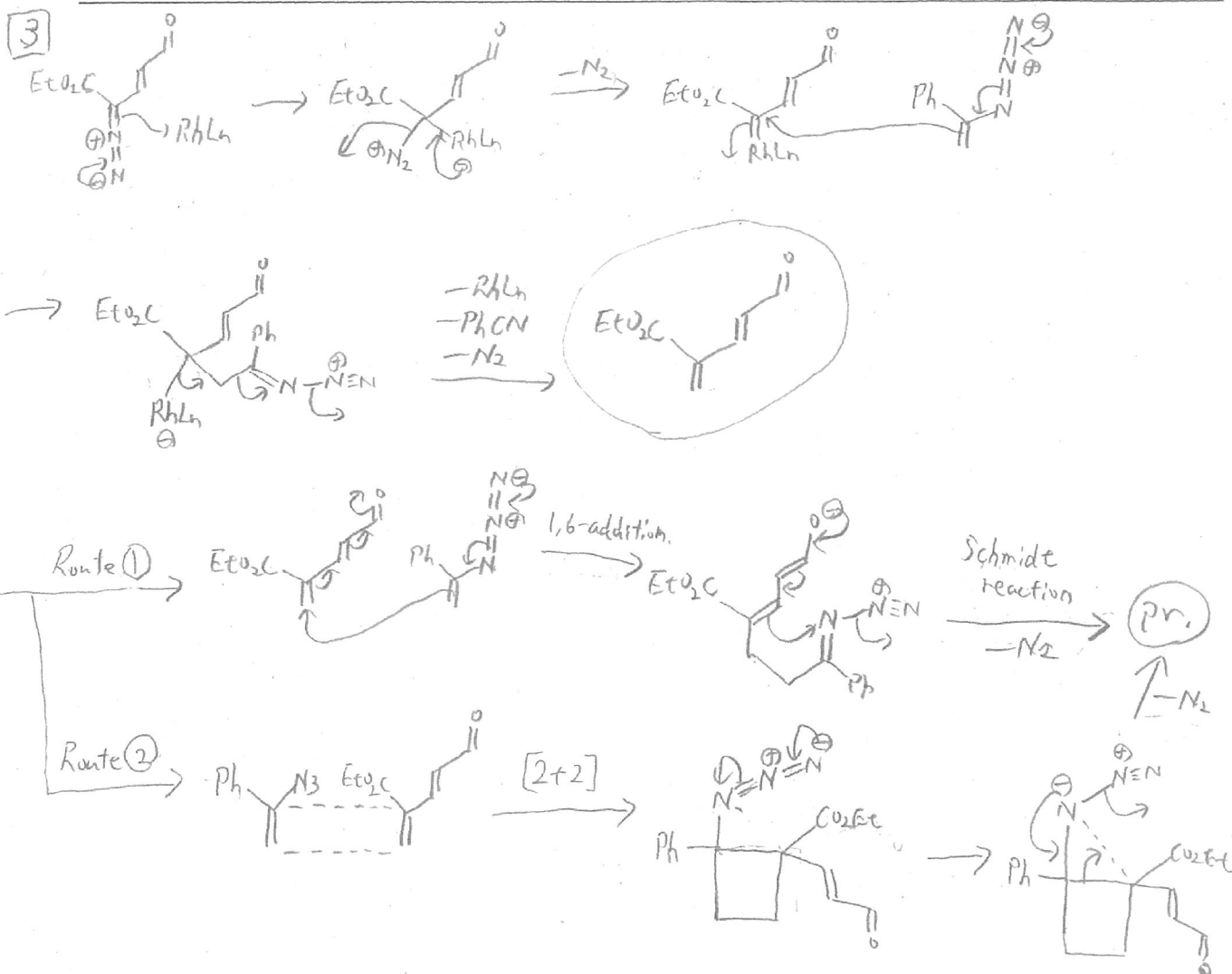


1) Step 2-B (without Ph₃P)

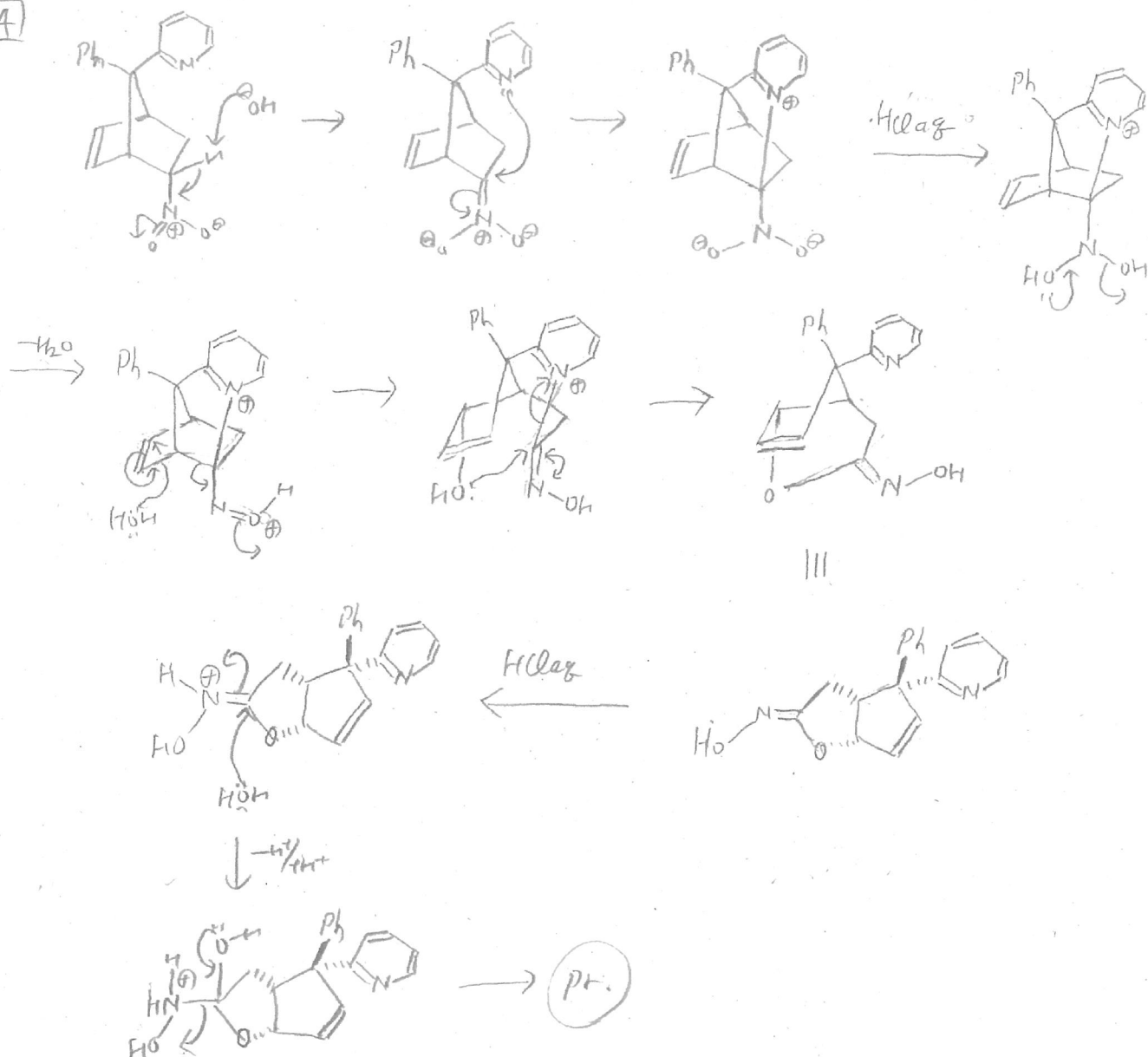


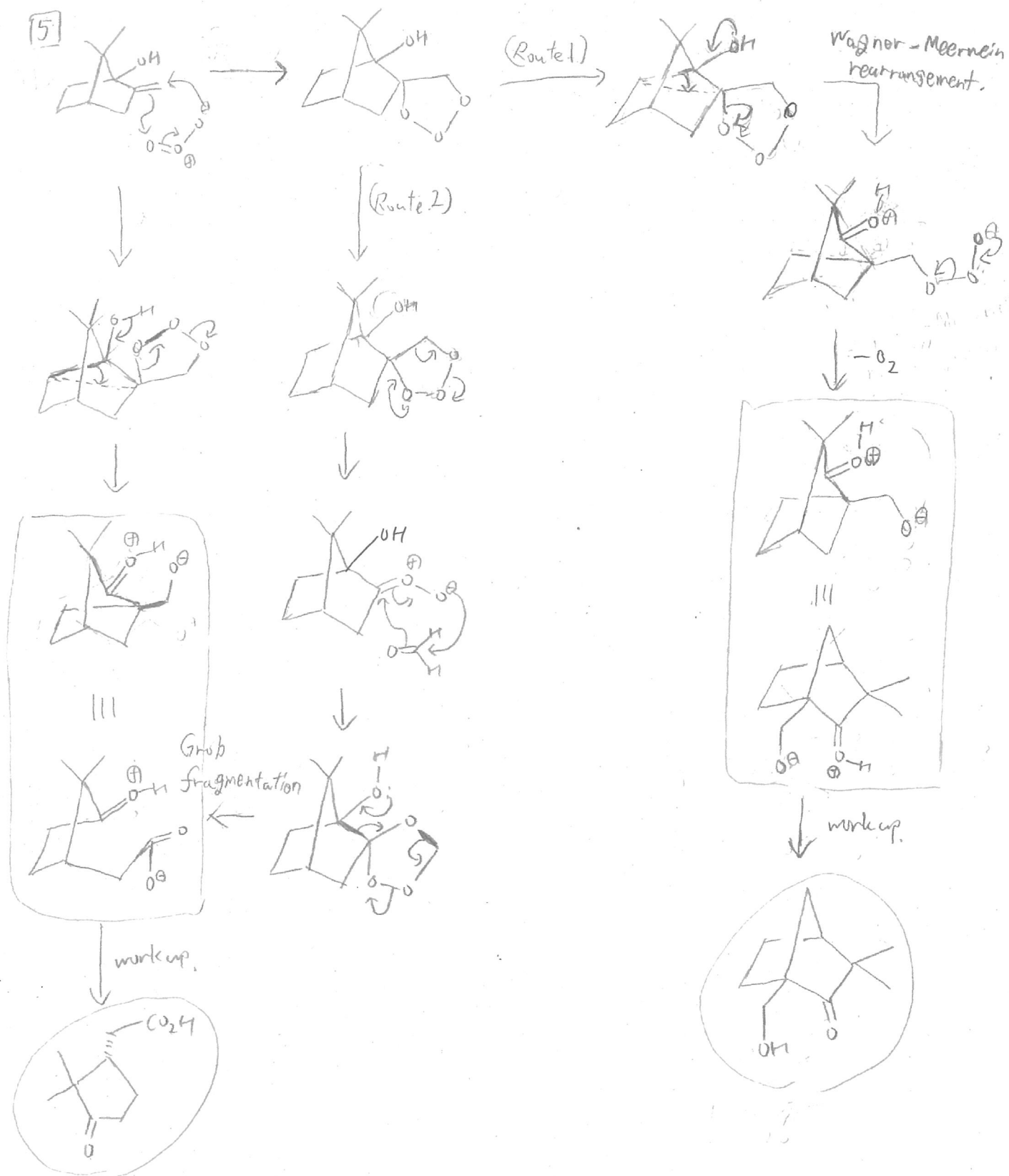
[2] (Route 2)





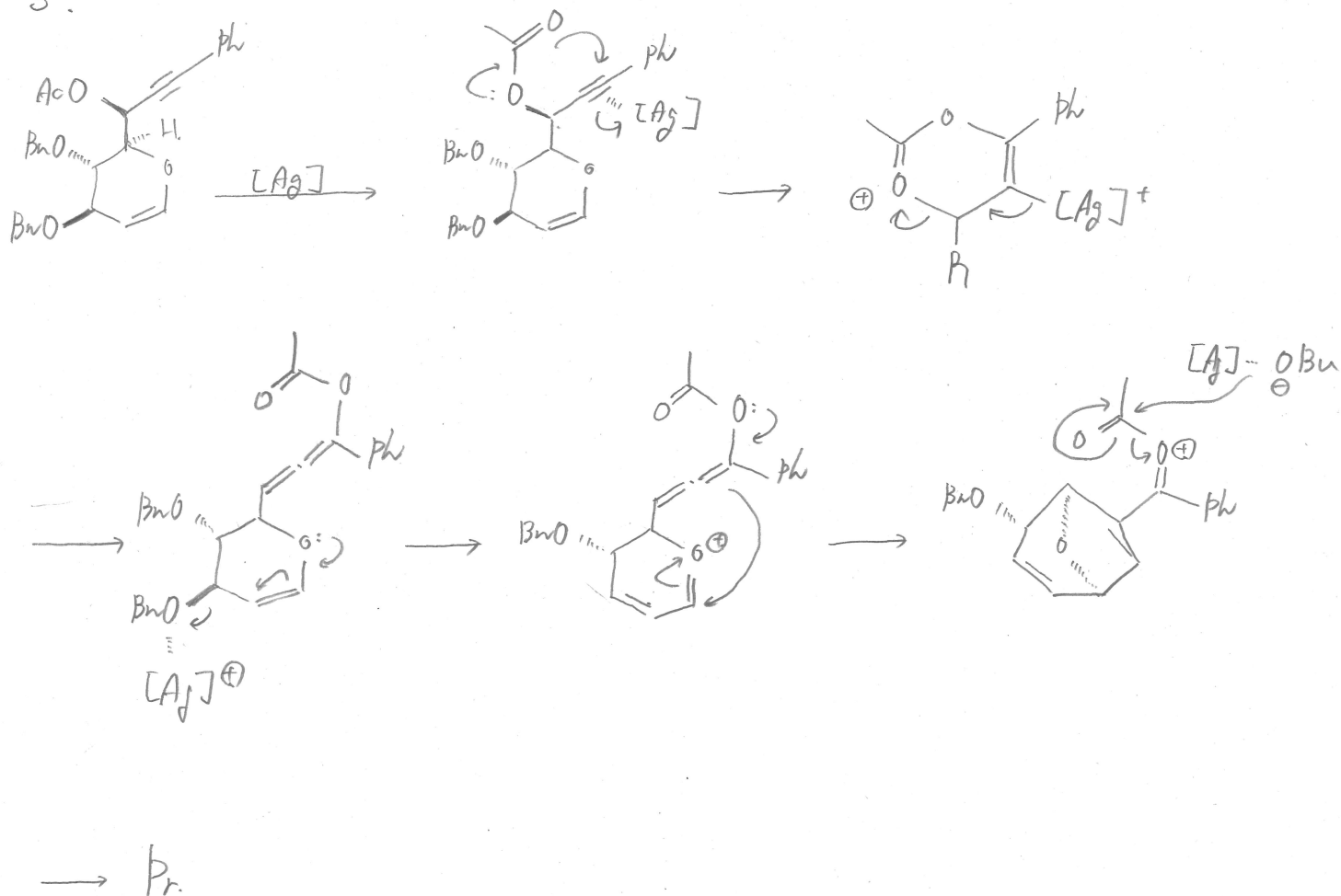
4





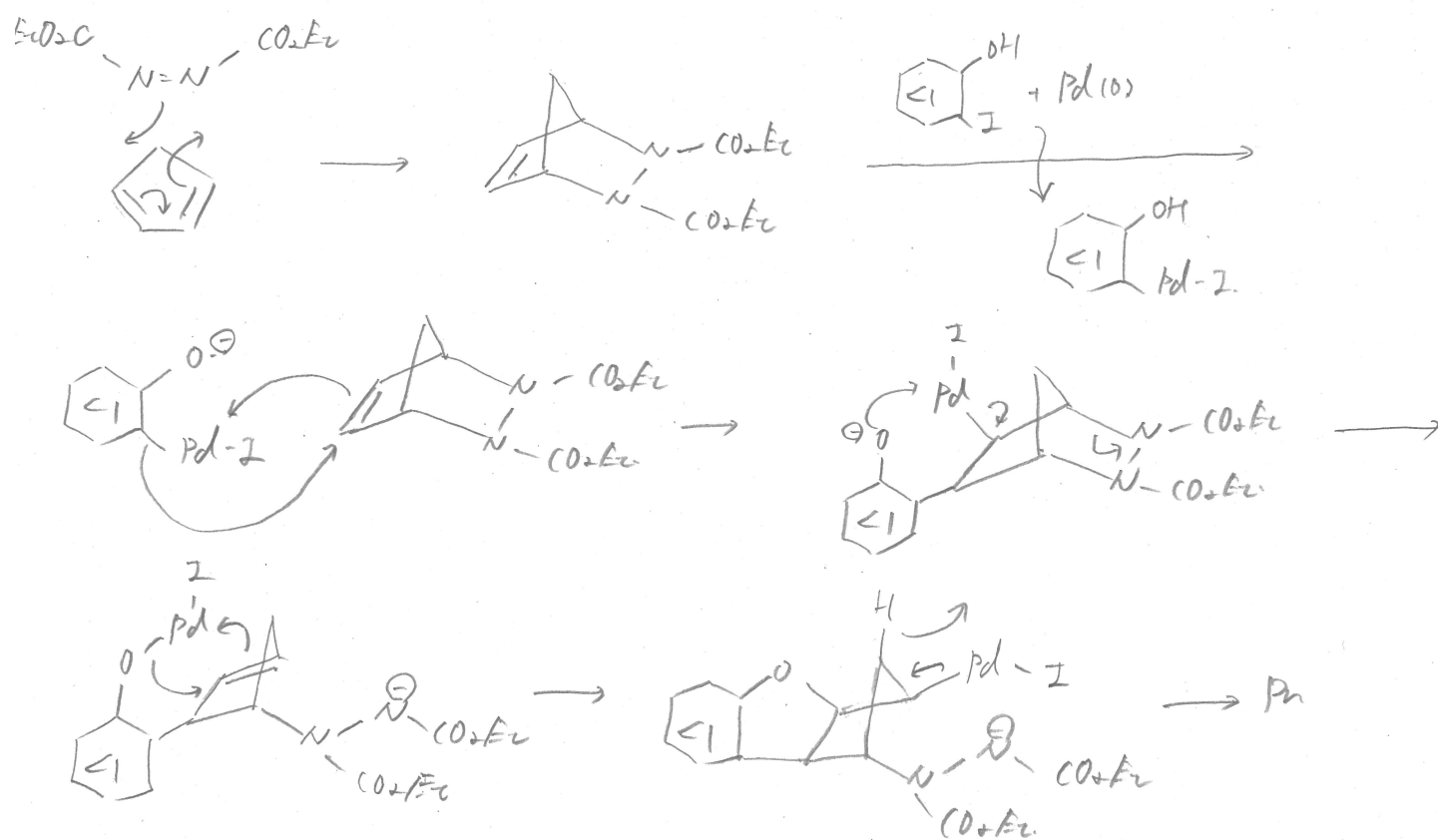


3.

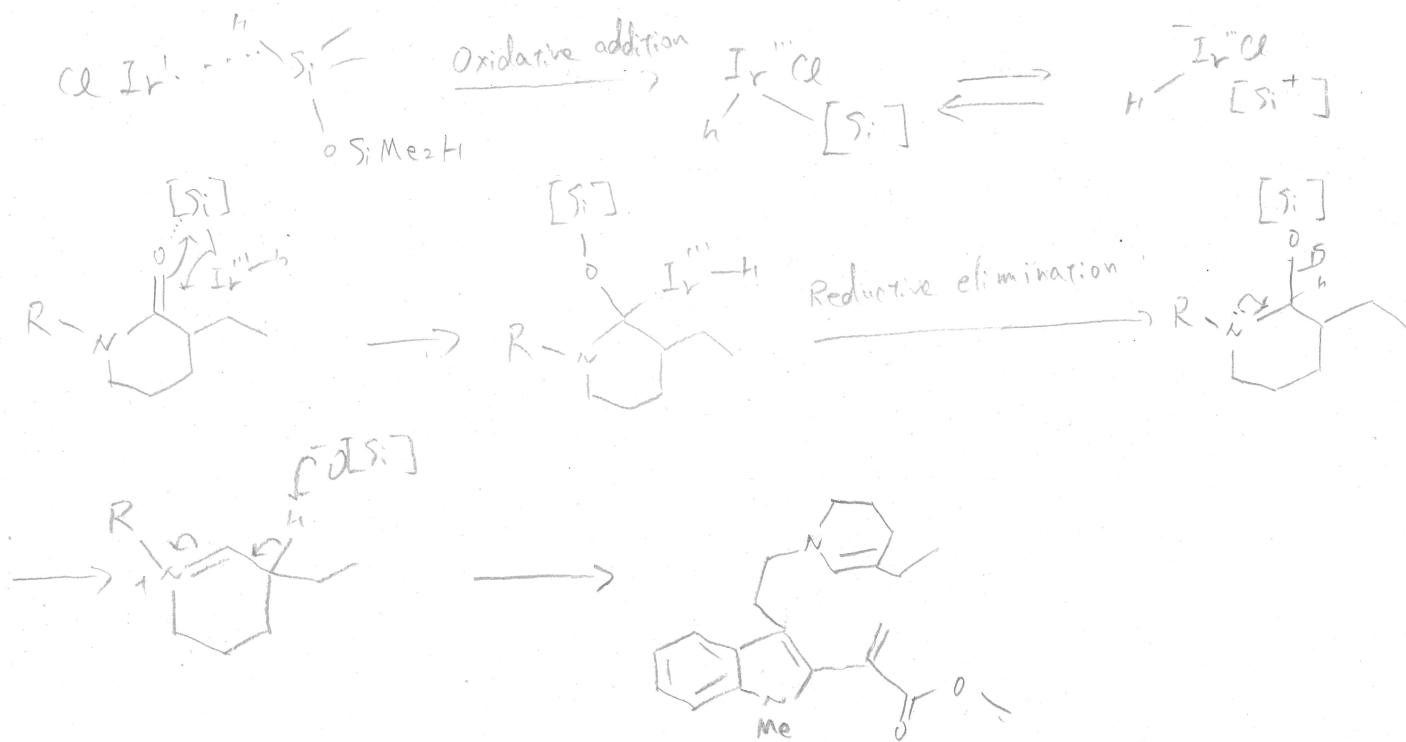




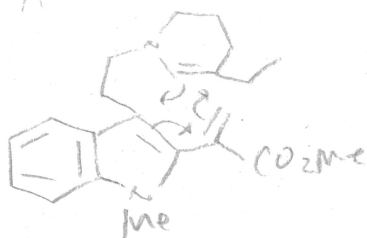
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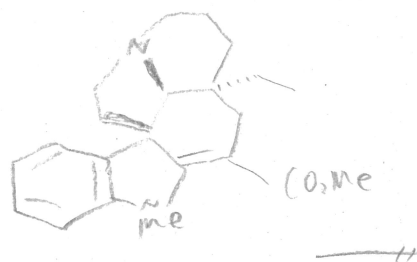
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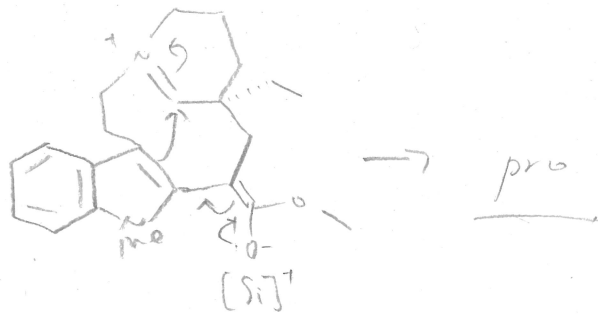
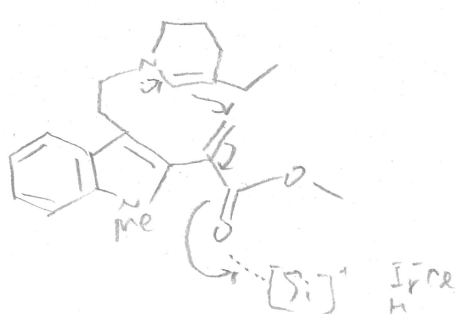
major product
ii) path A



Diels-Alder reaction

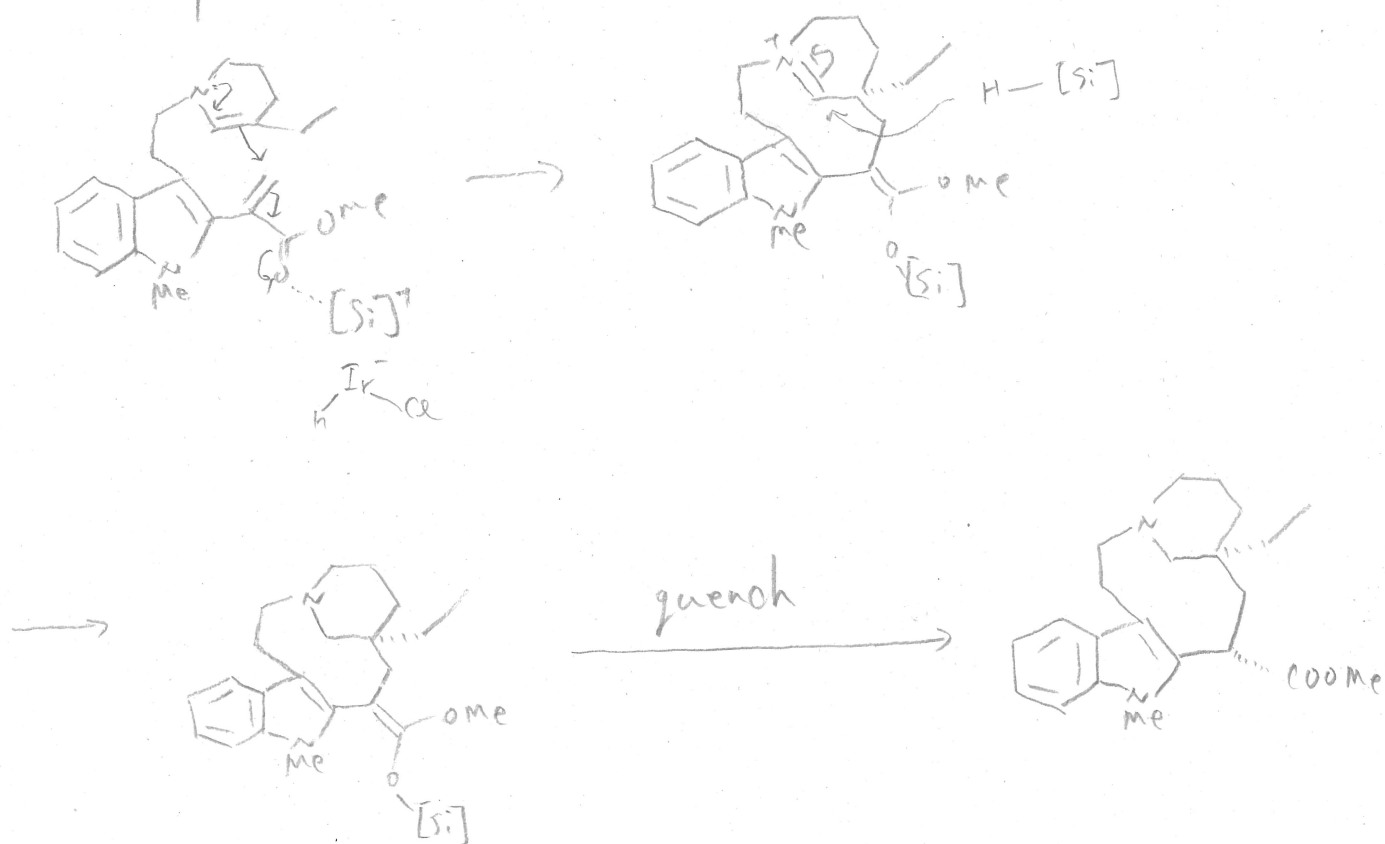


ii) path B



1

minor product





Keys to the Problems (05/26/2018)

