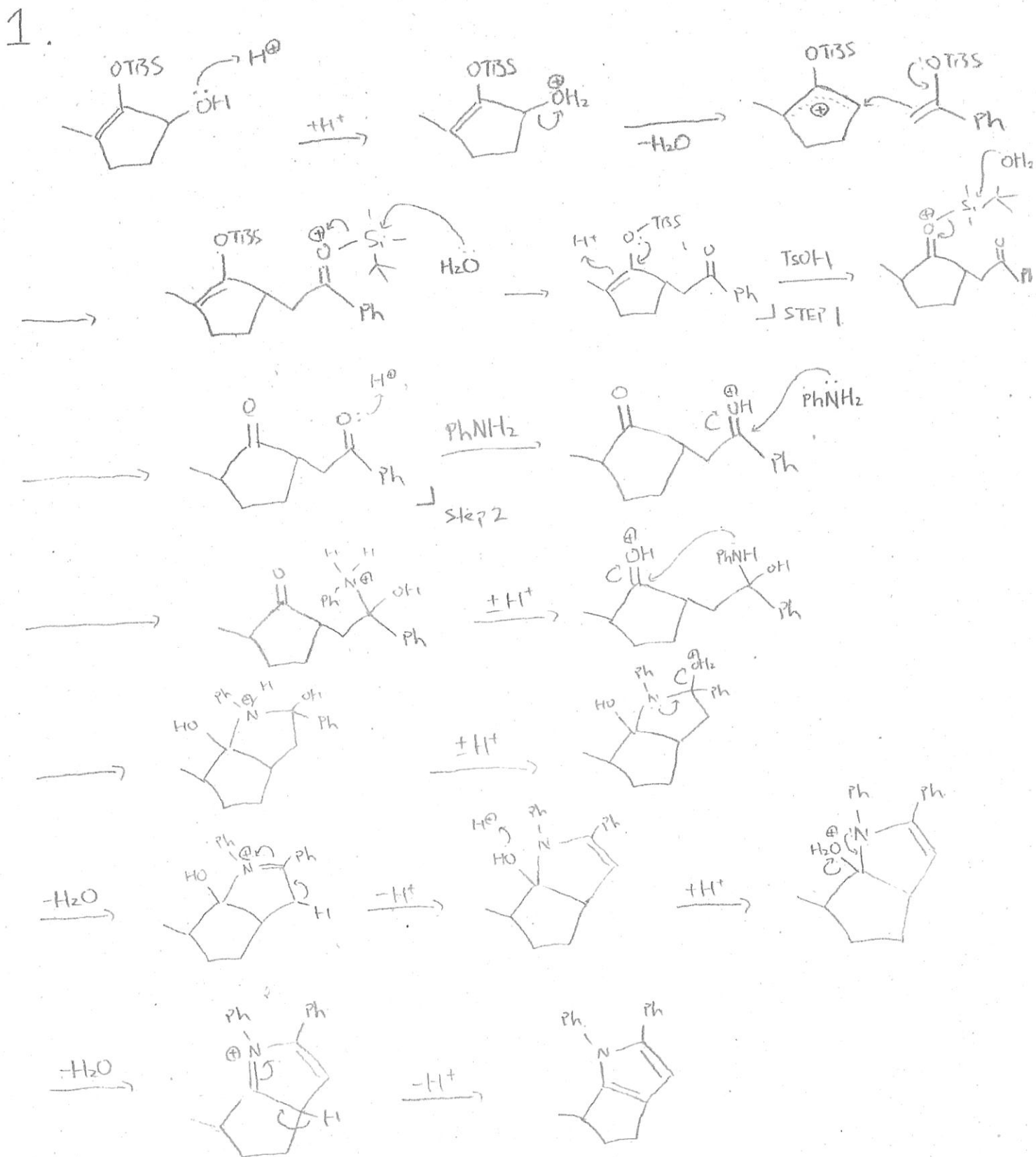
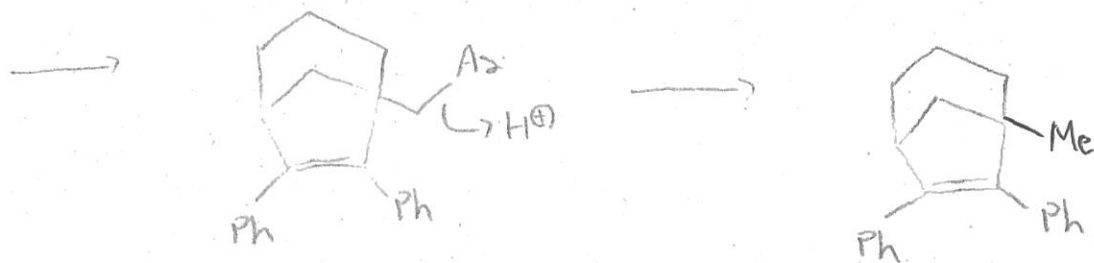
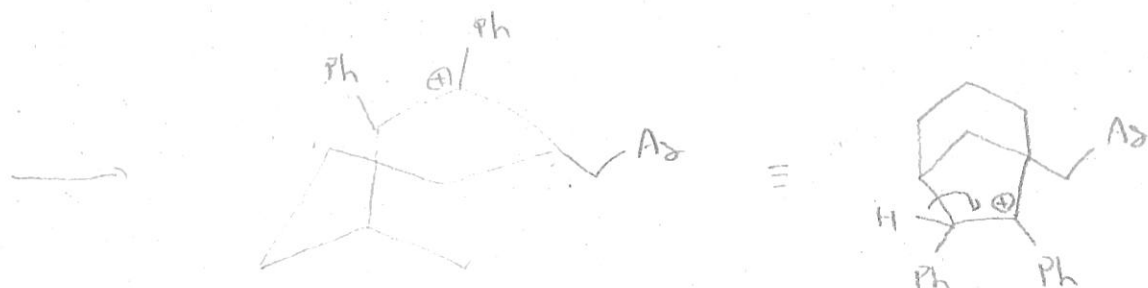
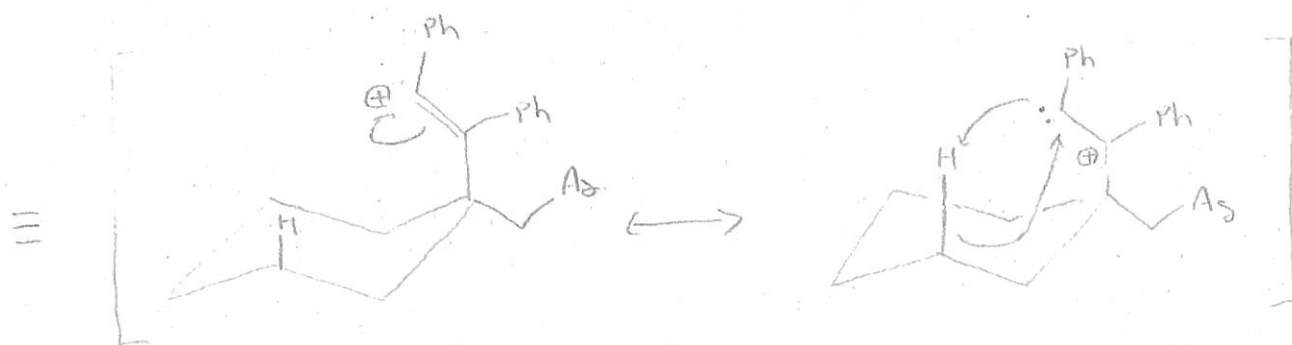
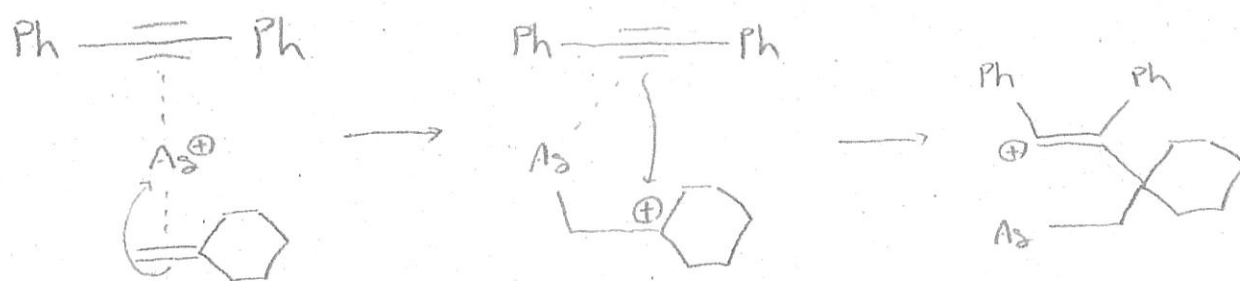
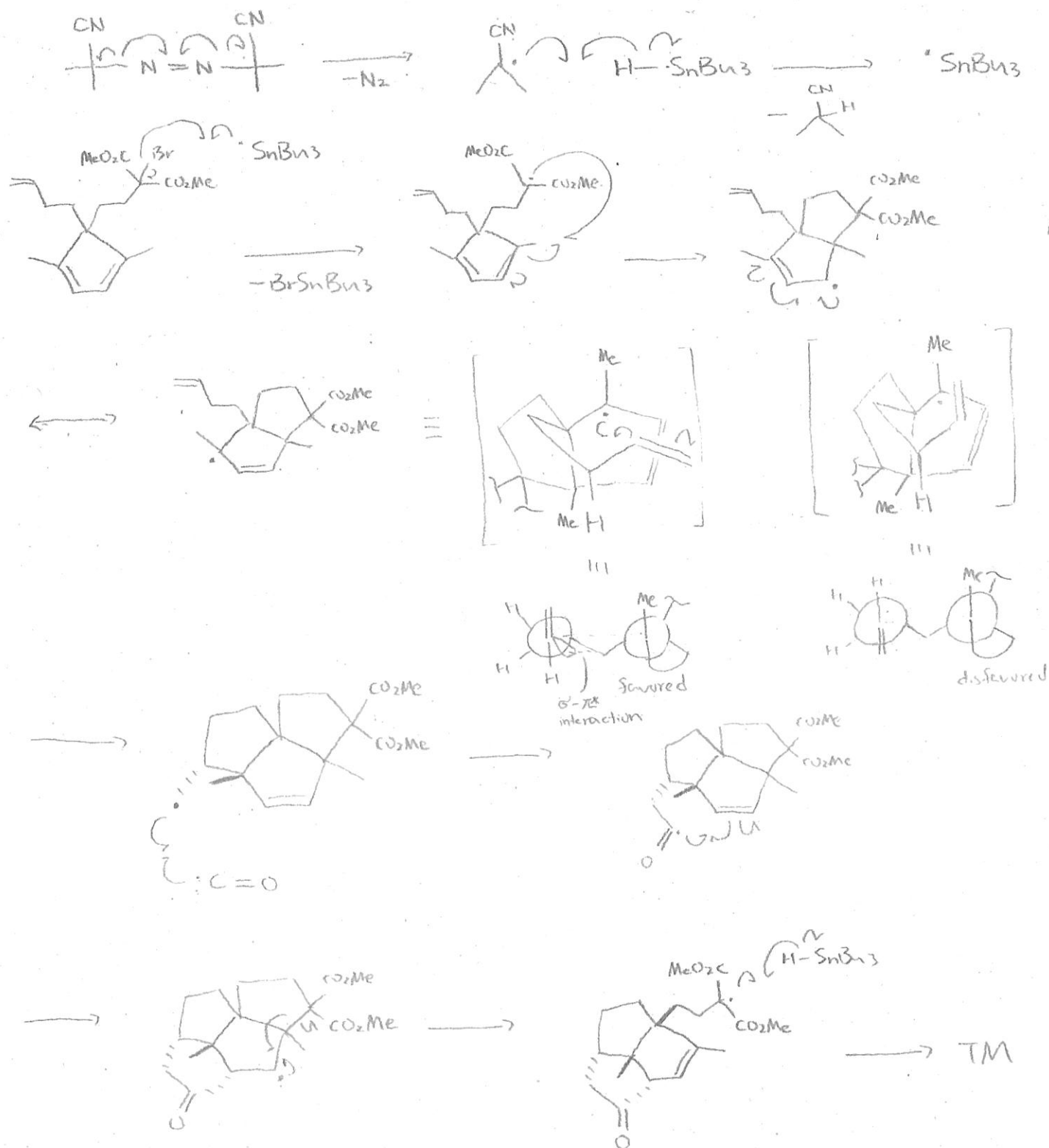




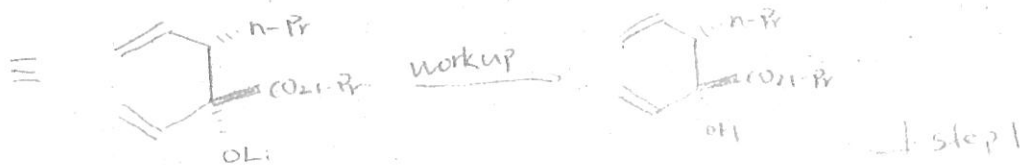
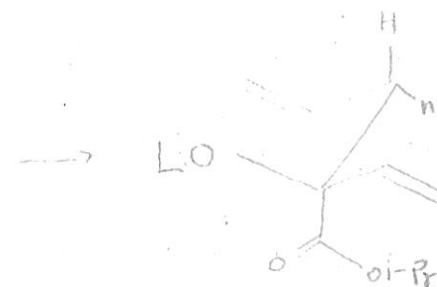
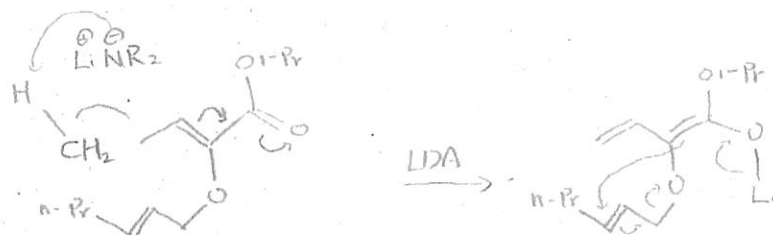
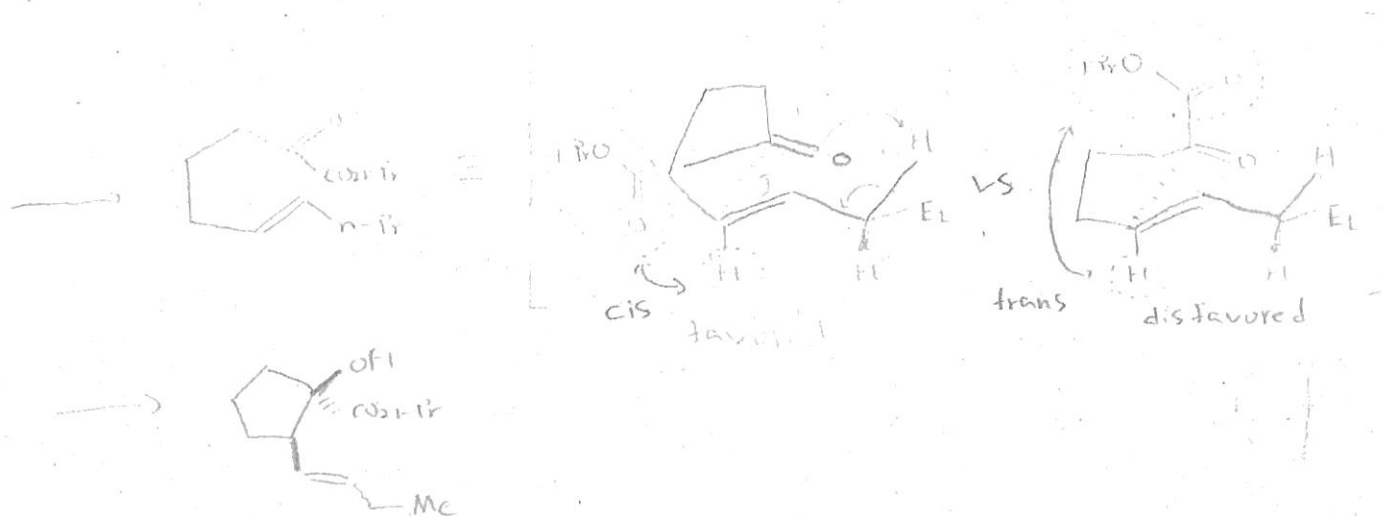
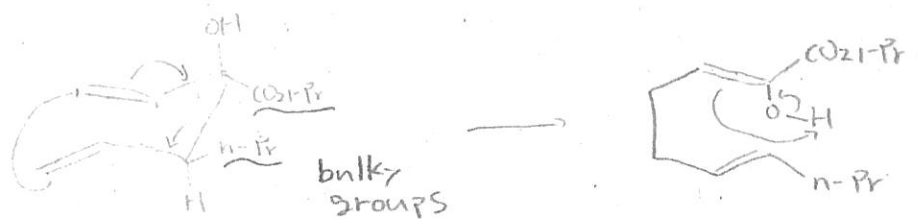
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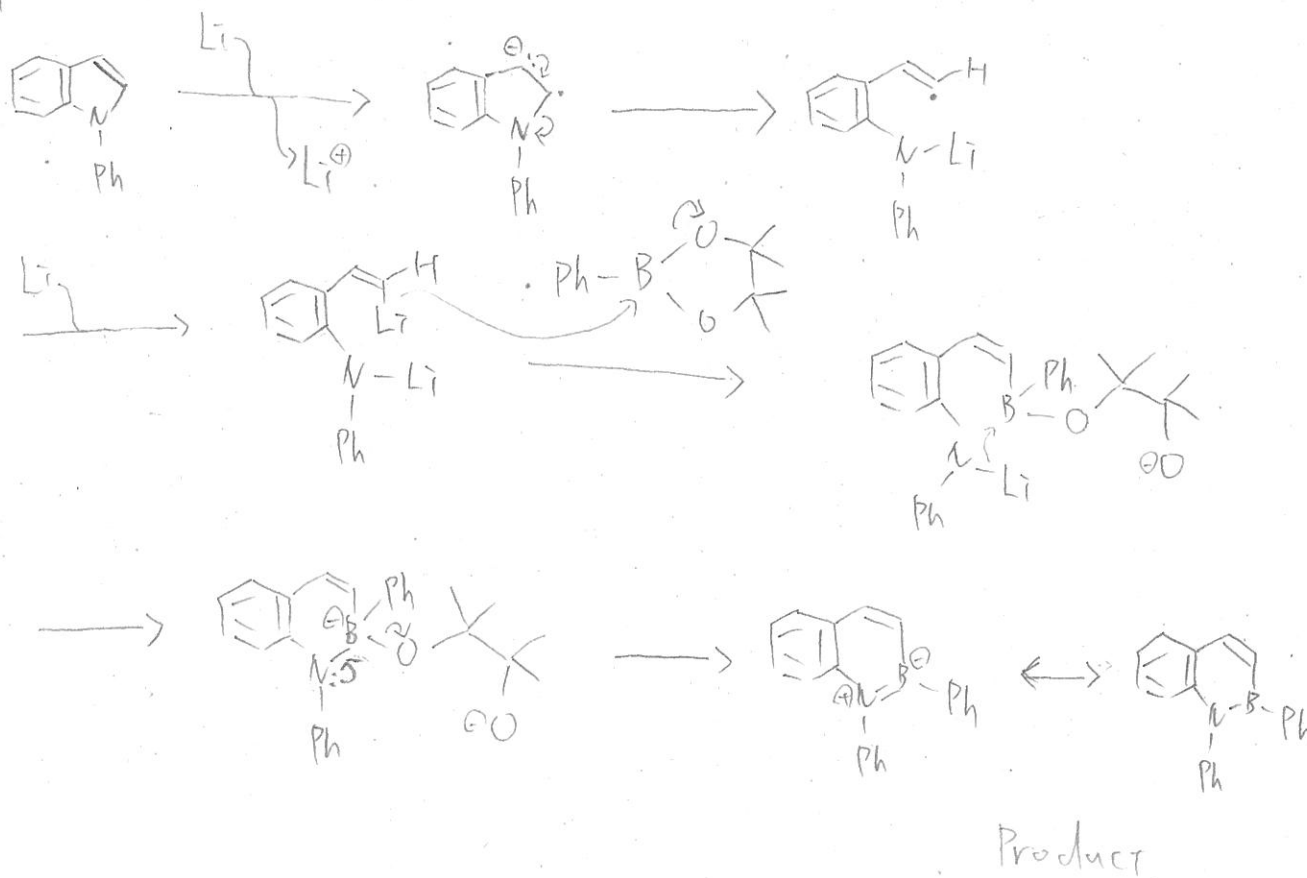
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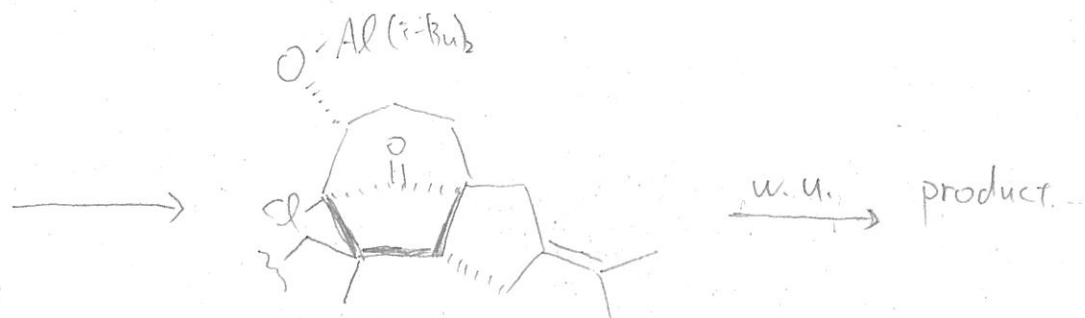
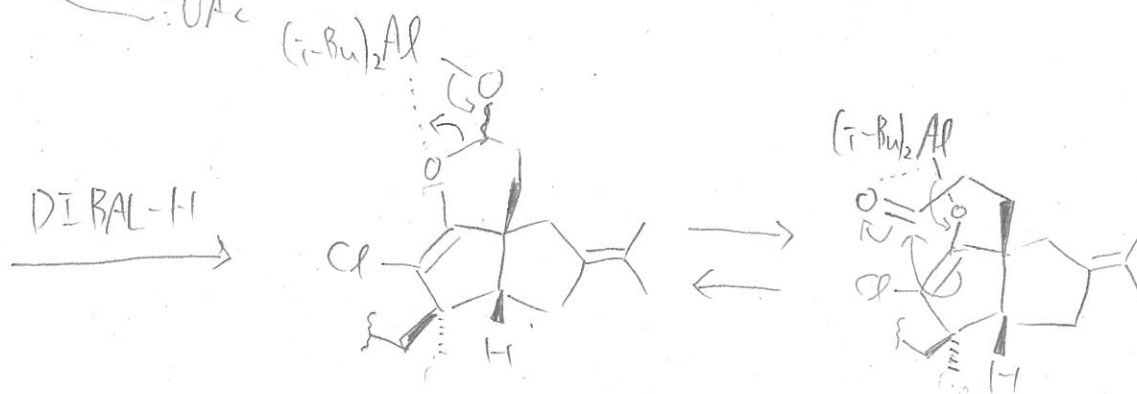
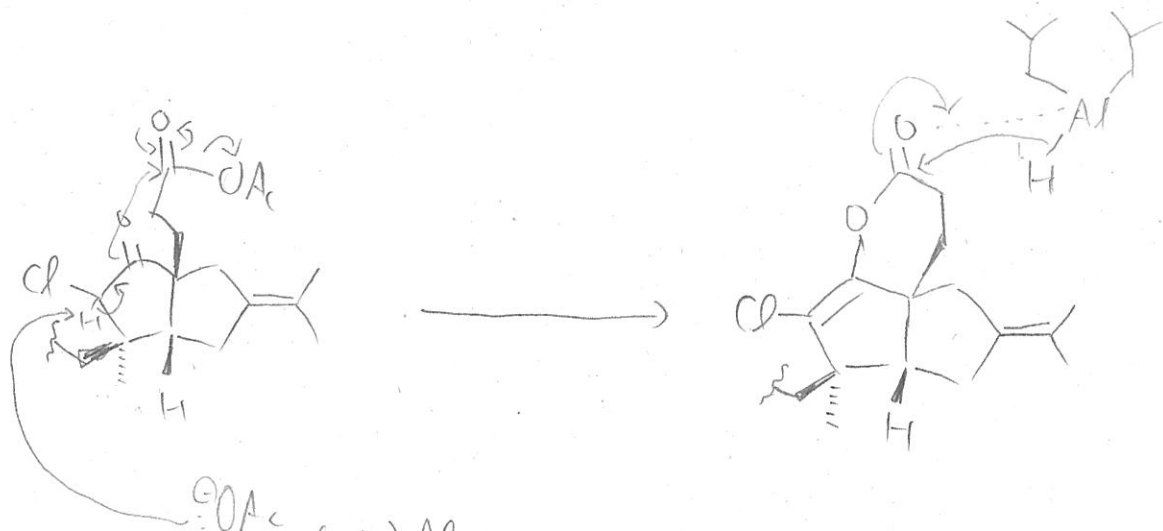
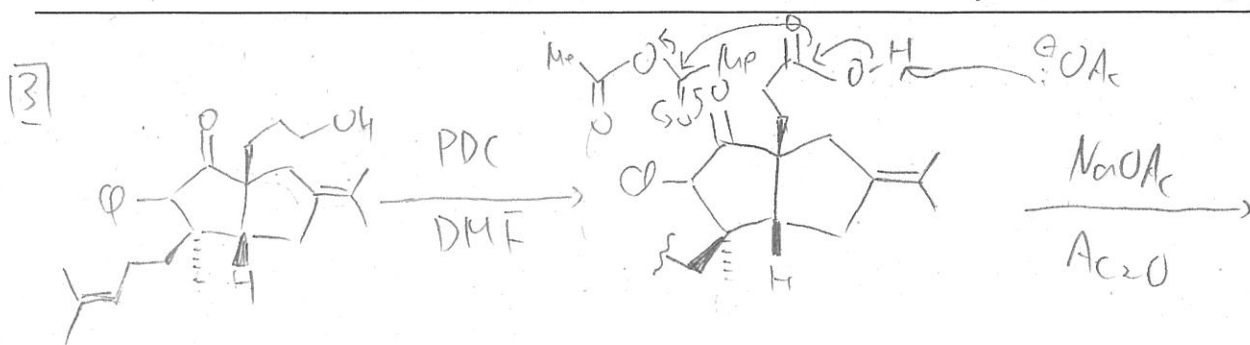


4.


 decane
180°C


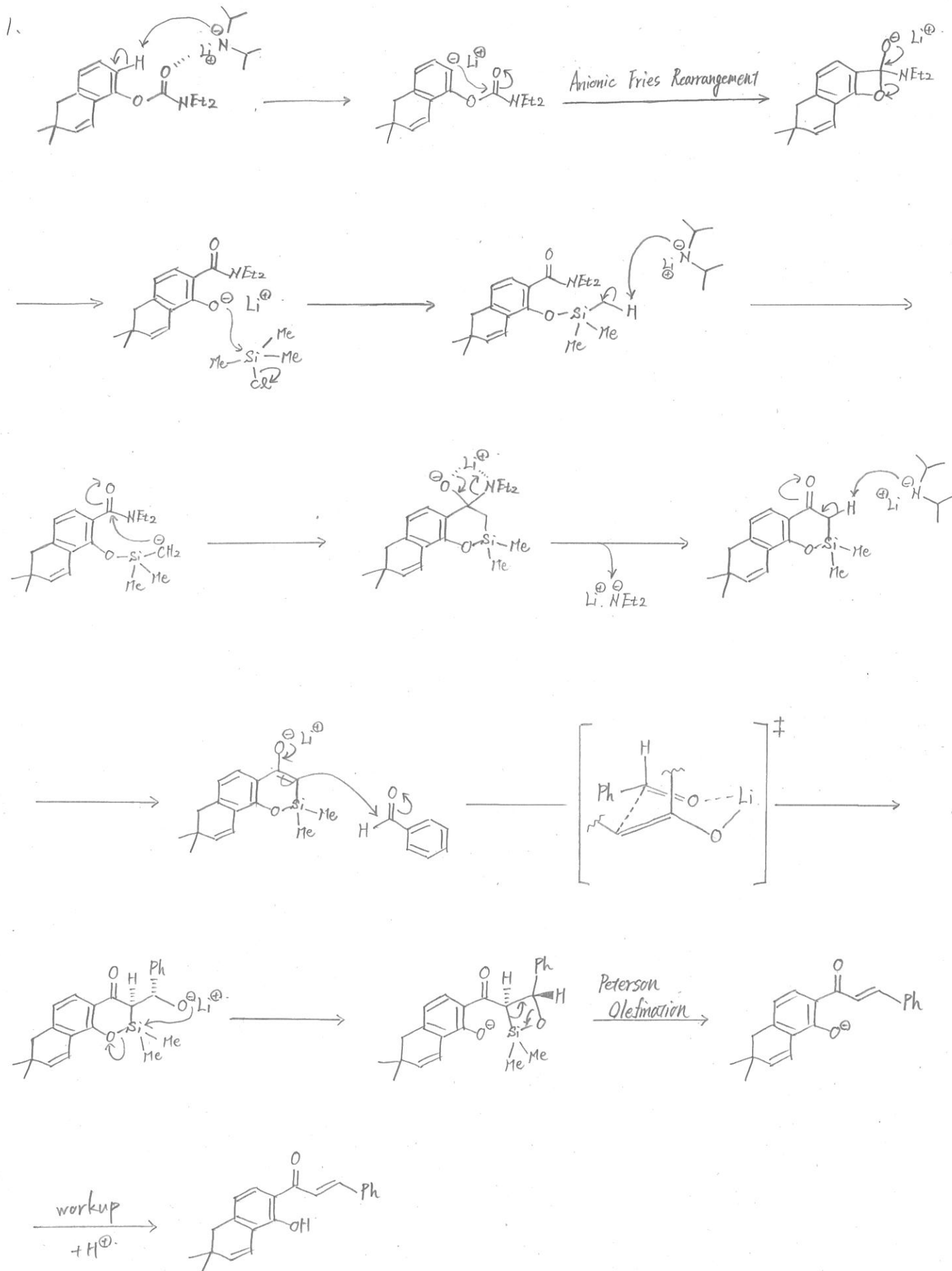
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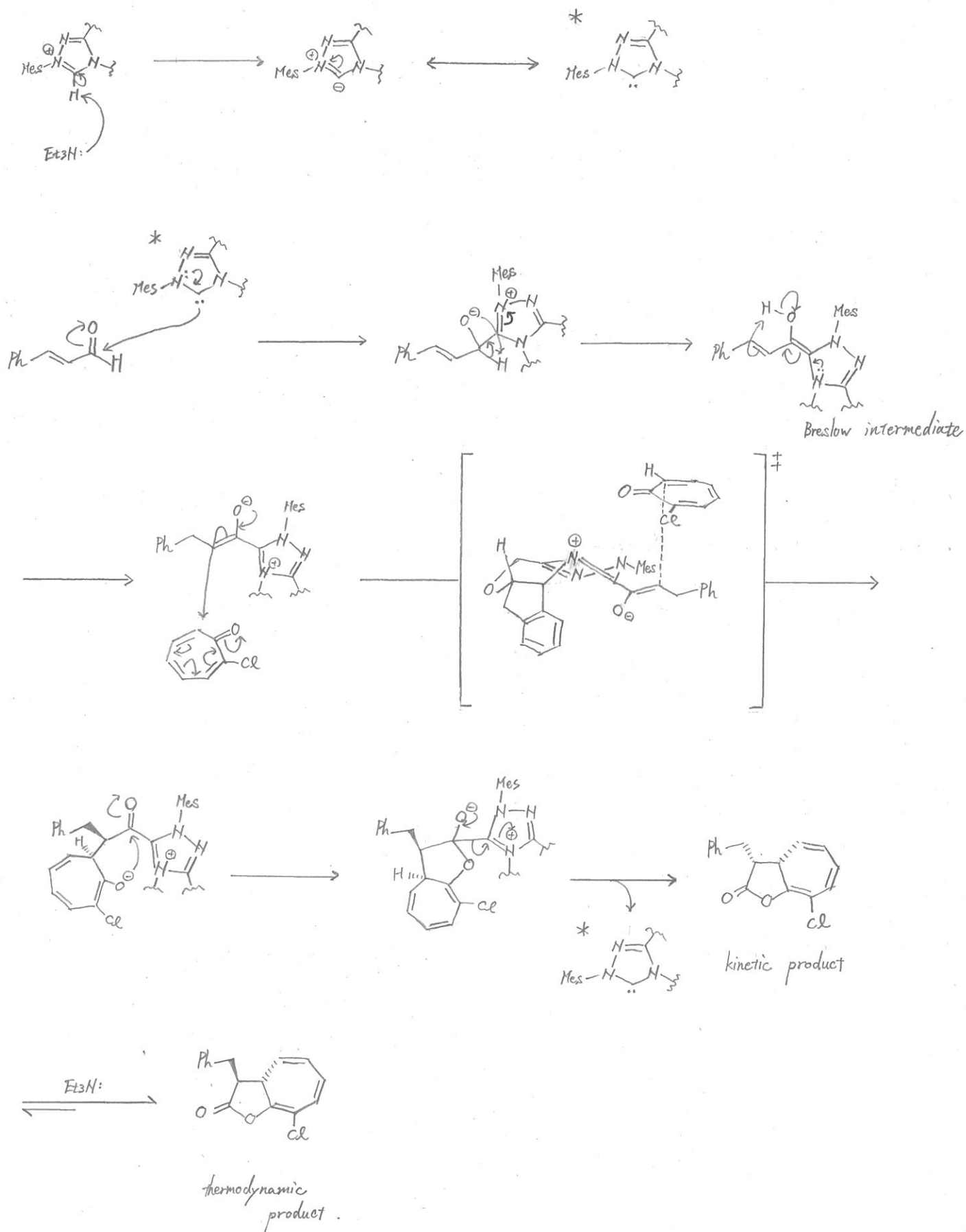




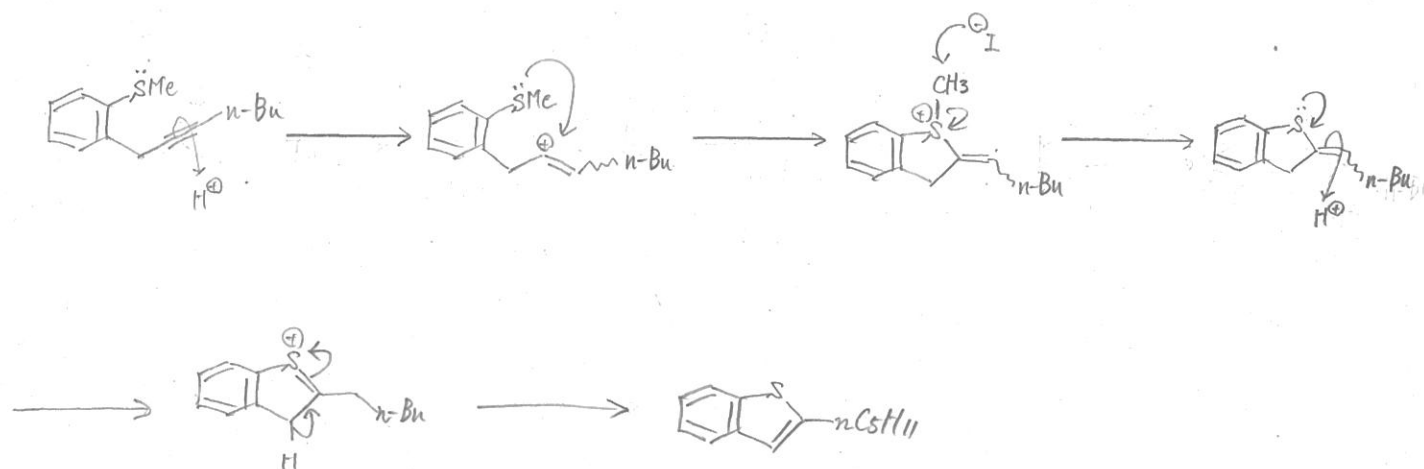
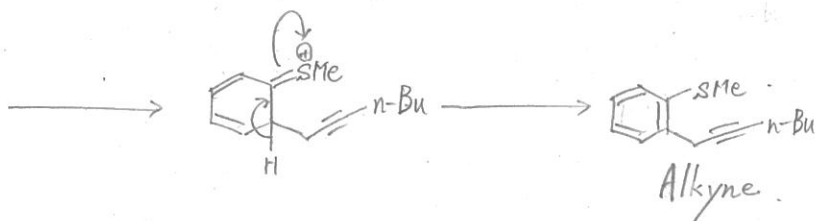
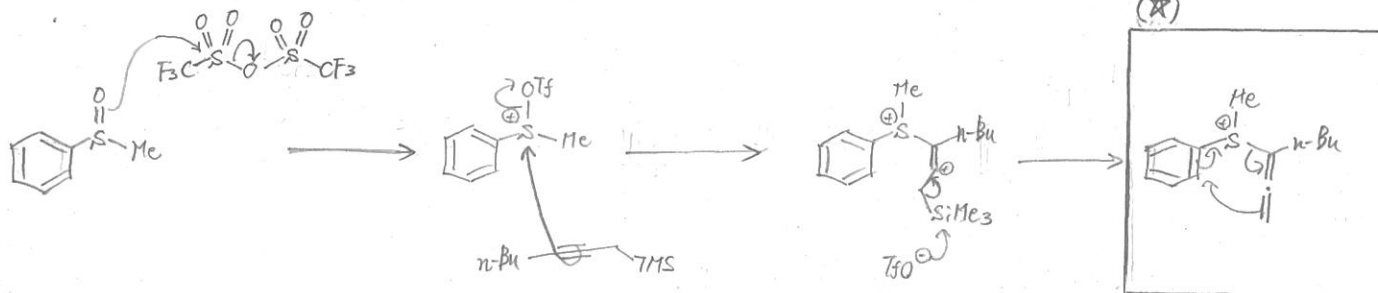




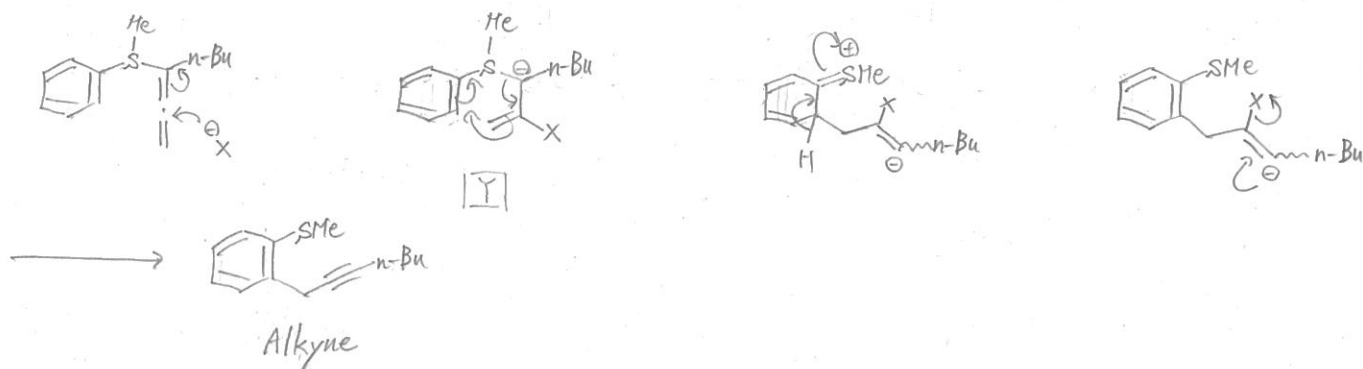
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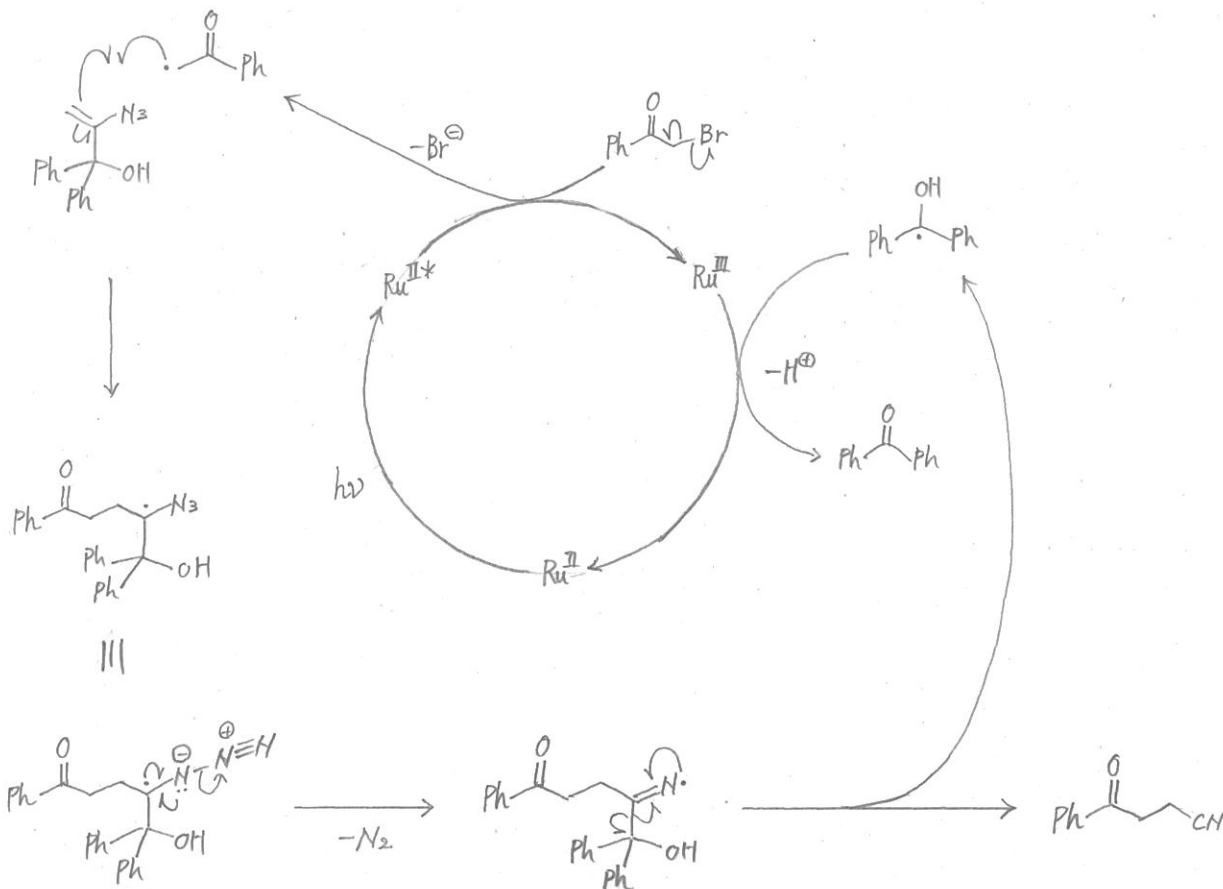
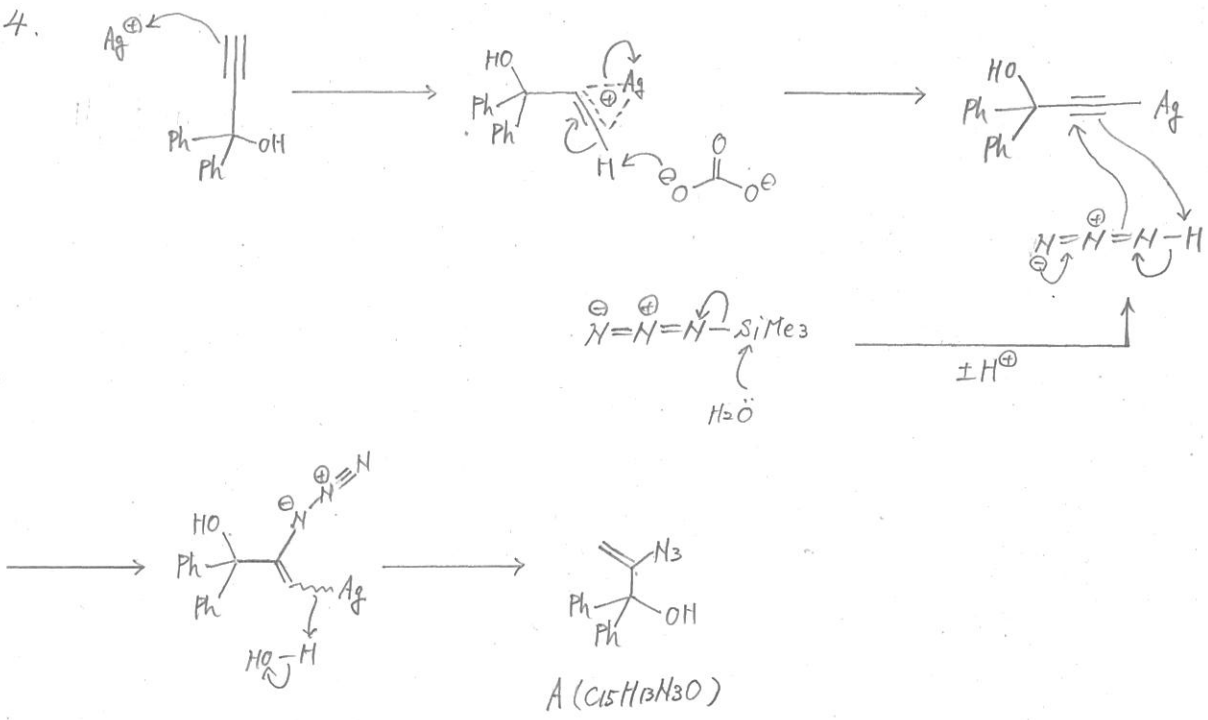
3.



(*) Another possible pathway (via [3,3]-sigmatropic rearrangement of ylide [Y])



X could be triflate although MeCN, sulfide or base can not be ruled out.



5.

