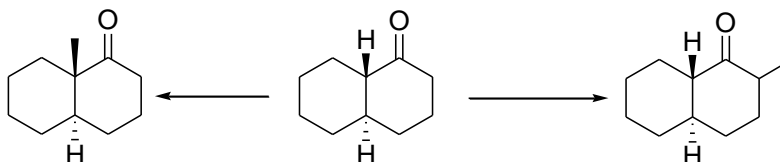
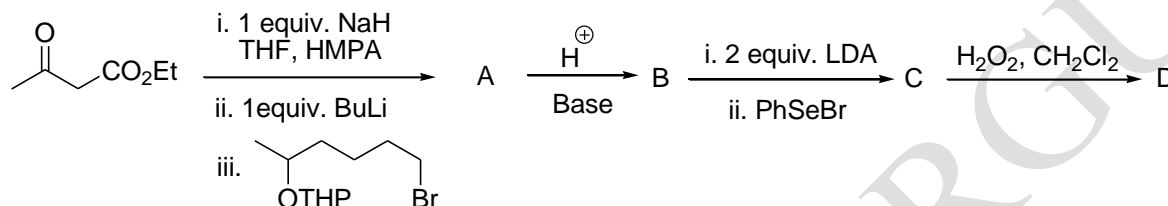


Series-1

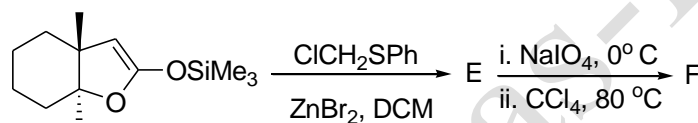
- Synthesize phenyl acetic acid *via* benzyne intermediate.
- Identify the proper reagents



- Predict the products with mechanism



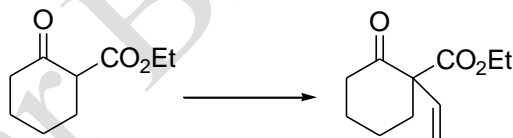
- Predict the products with mechanism



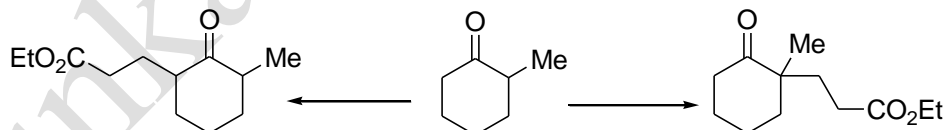
- Convert the following



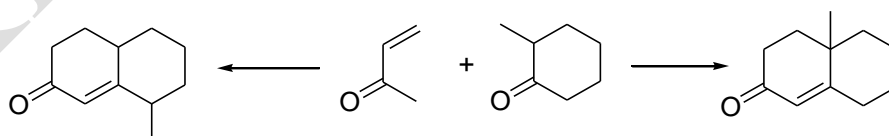
- Carry out the following conversion



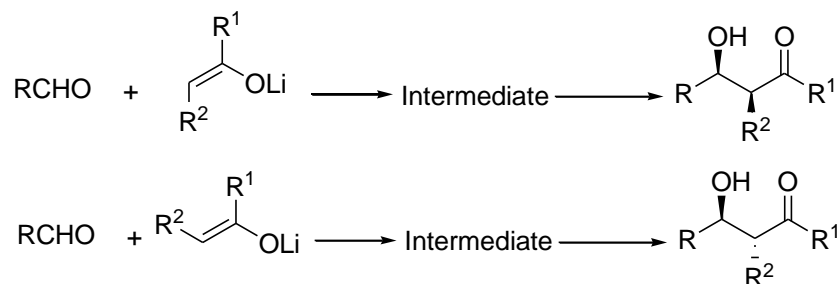
- Carry out the following conversion



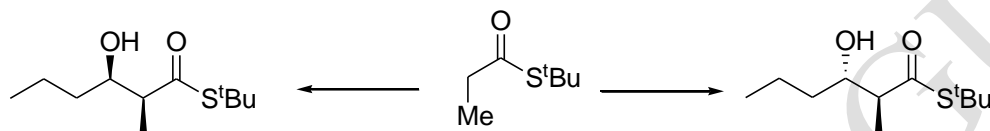
- Carry out the following conversion



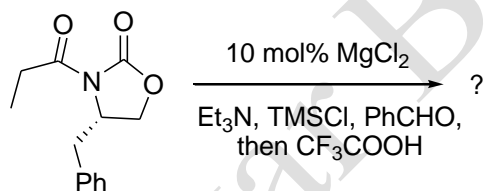
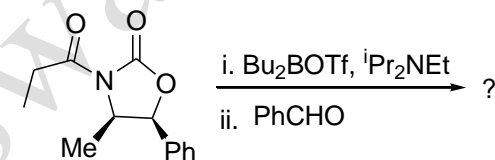
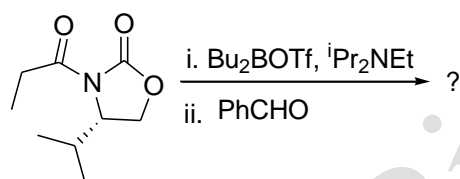
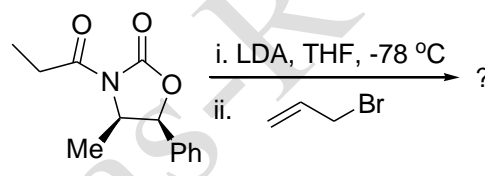
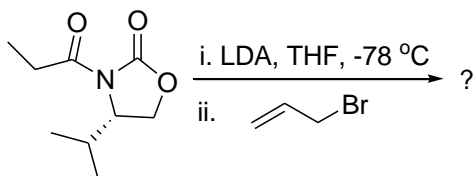
- Write down the intermediates of the following reactions



10. Carry out the following conversion



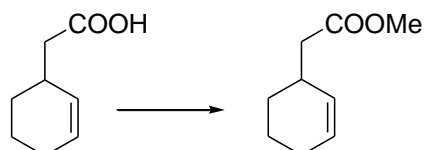
11. Write down the products



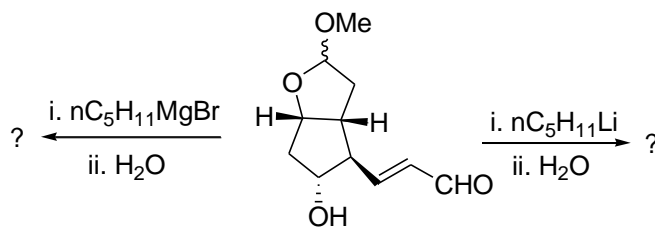
12. Predict the products with possible mechanism (give stereochemistry where applicable)



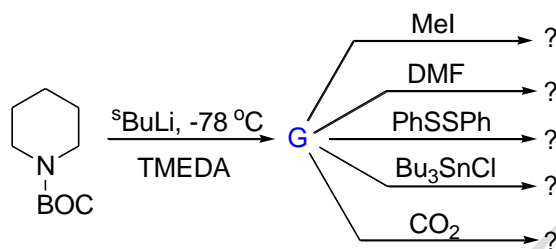
13. Convert the following



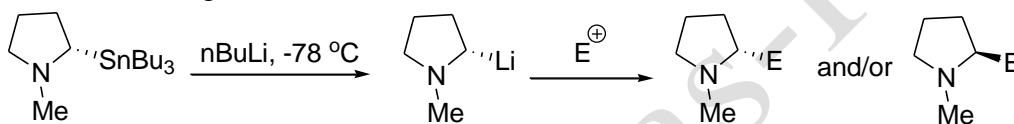
14. Predict the products with possible mechanism



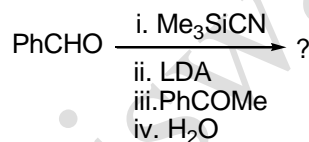
15. Identify the products



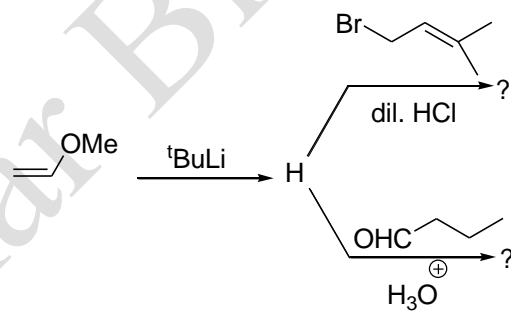
16. Explain the following observation



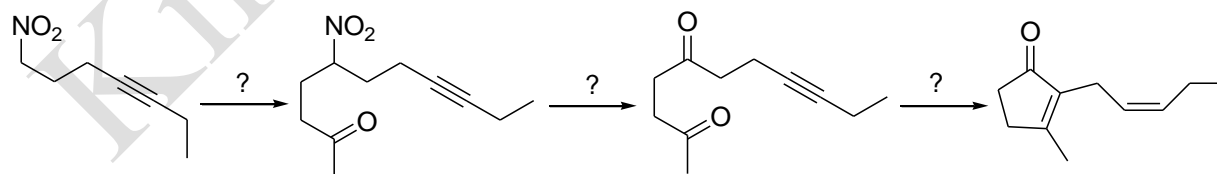
17. Predict the product



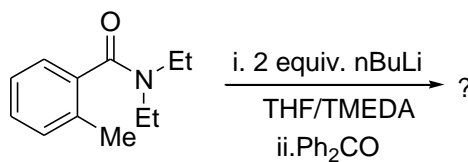
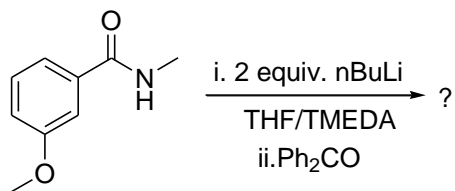
18. Identify the products



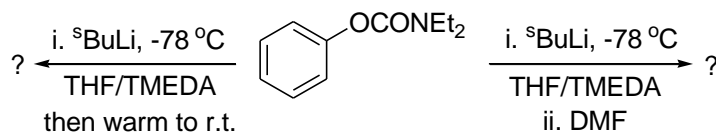
19. Identify the reagents



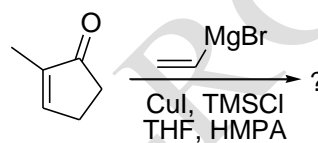
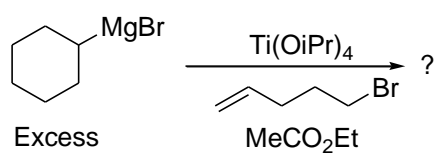
20. Predict the products



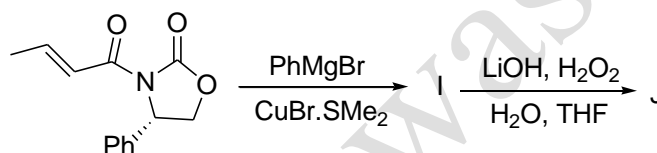
21. Predict the products



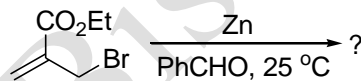
22. Predict the products



23. Identify the products



24. Predict the product



25. Identify the products

