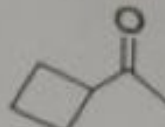
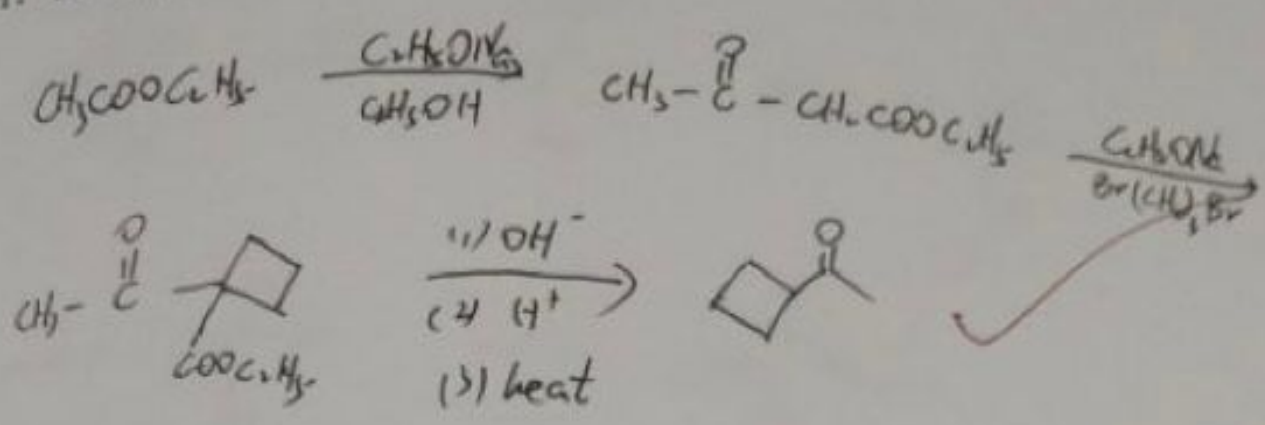
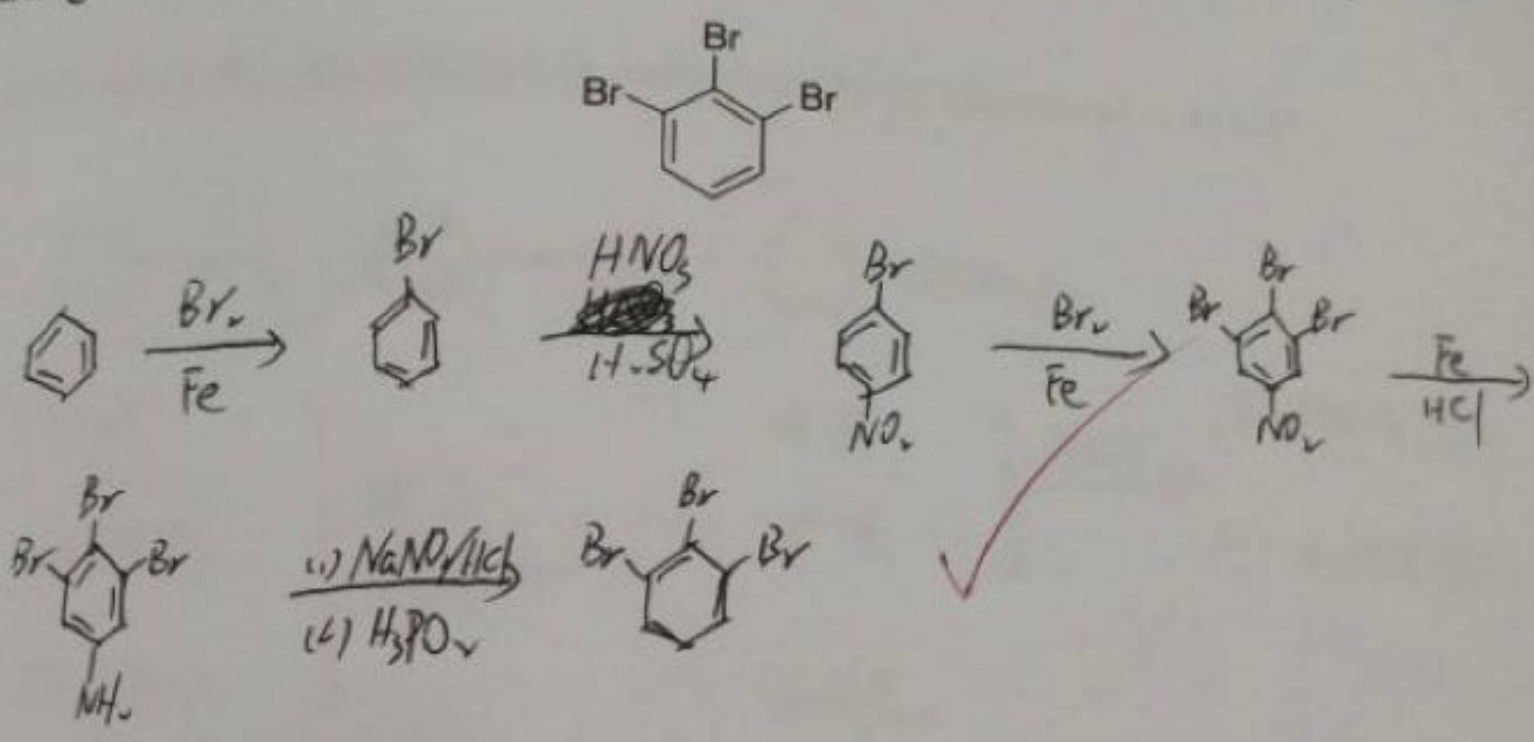


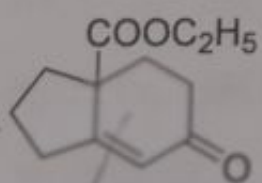
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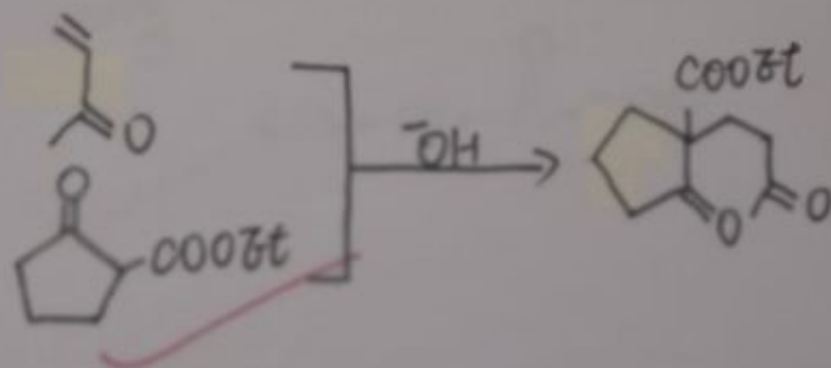
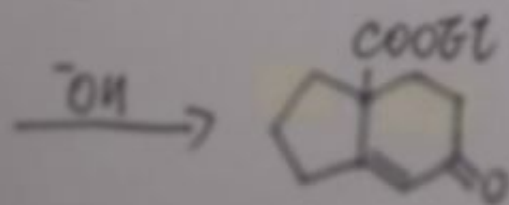
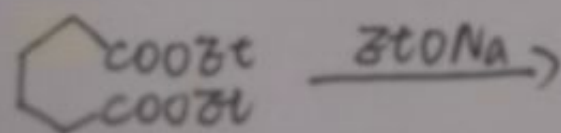
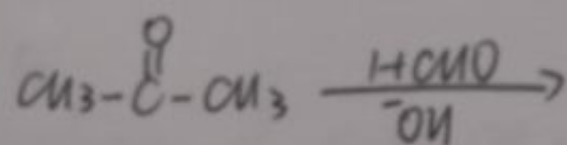
1. 由  $\text{CH}_3\text{COOC}_2\text{H}_5$  合成 



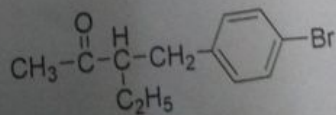
2. Preparation of the compound shown below using benzene as the starting materials.



4. 设计  的合成

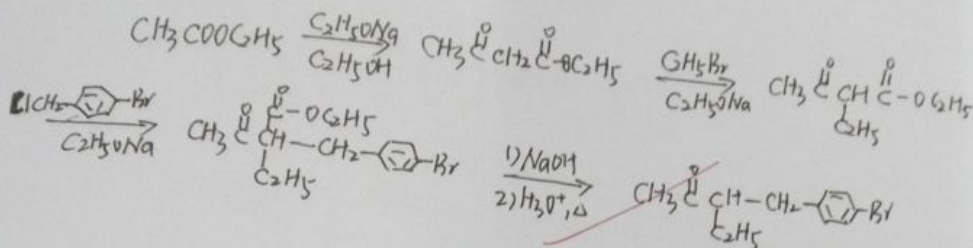


四、由指定原料合成(本题 20 分)

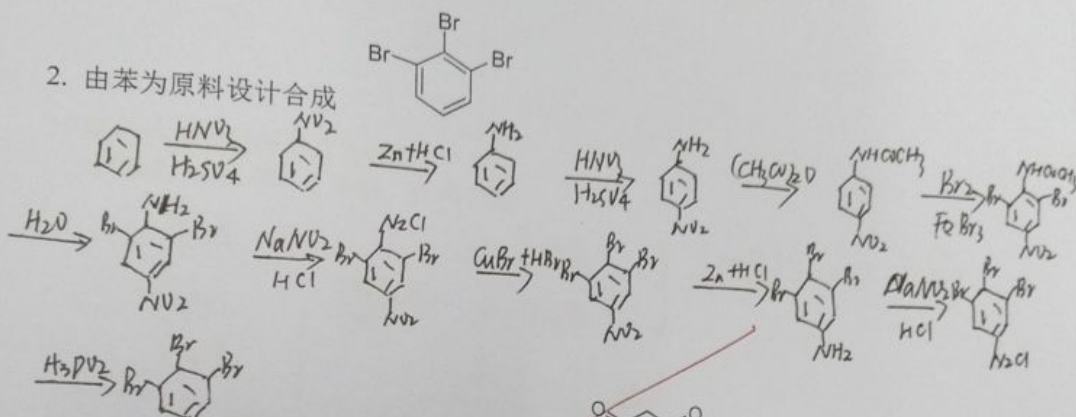


1. 由  $\text{CH}_3\text{COOC}_2\text{H}_5$  合成

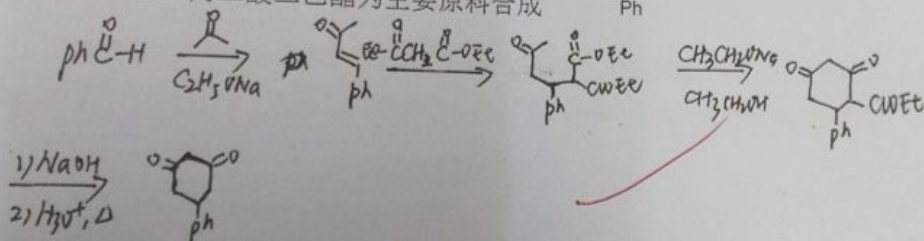
第 3 页 共 7 页



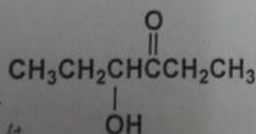
2. 由苯为原料设计合成



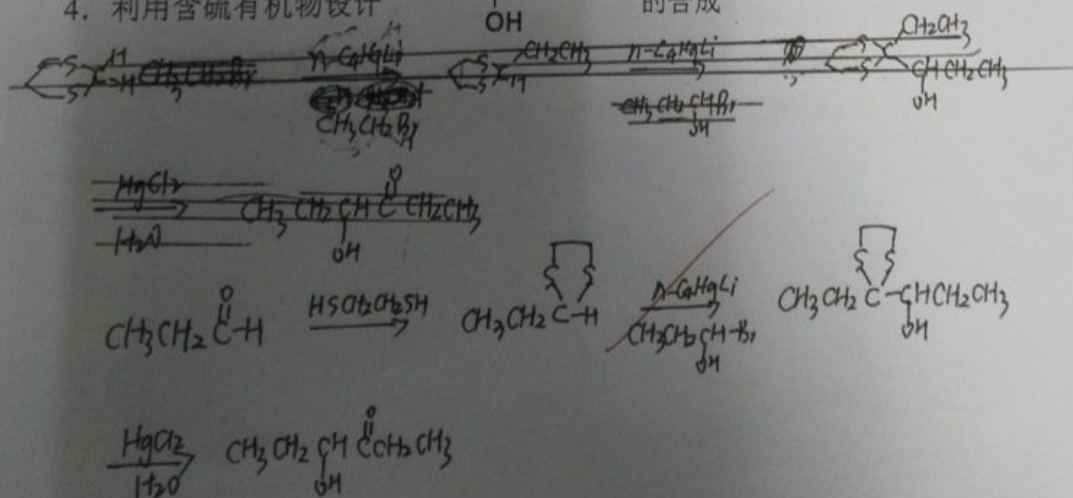
3. 以苯甲醛、丙二酸二乙酯为主要原料合成

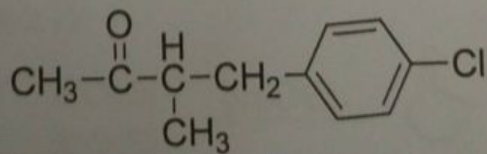


4. 利用含硫有机物设计

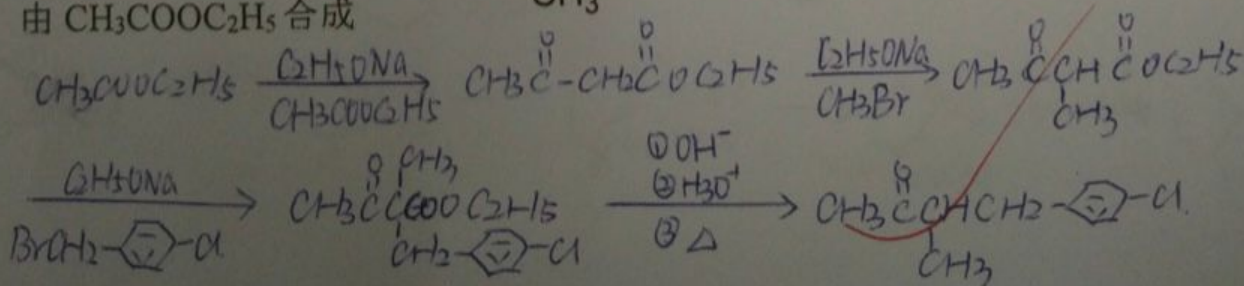


的合成



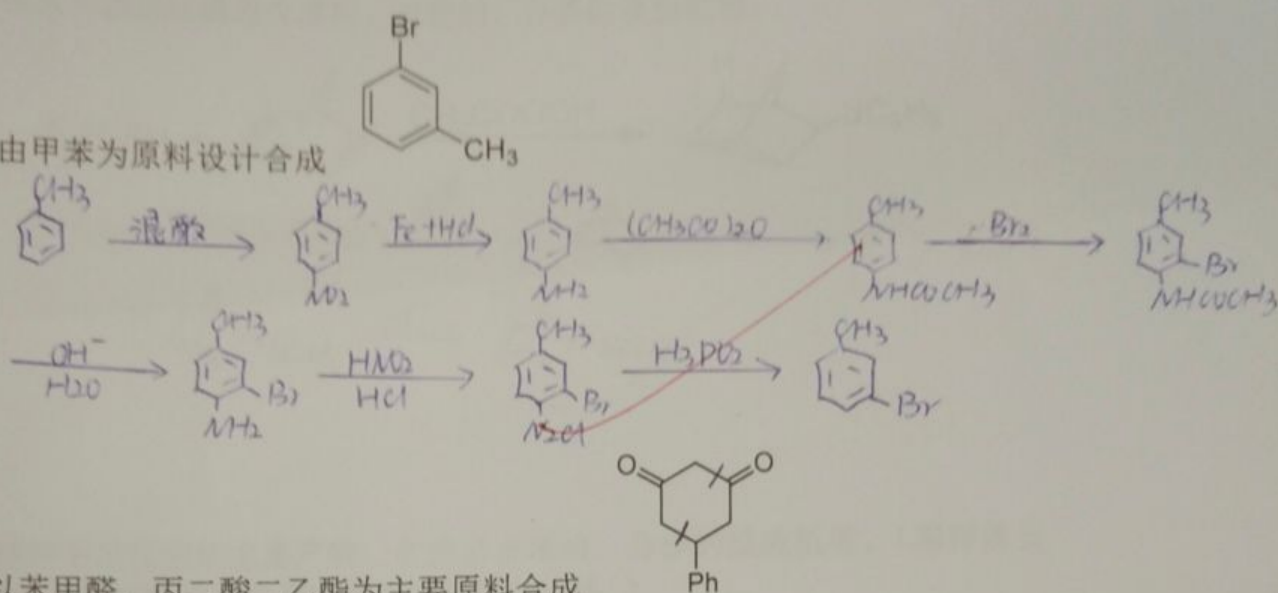


1. 由  $\text{CH}_3\text{COOC}_2\text{H}_5$  合成

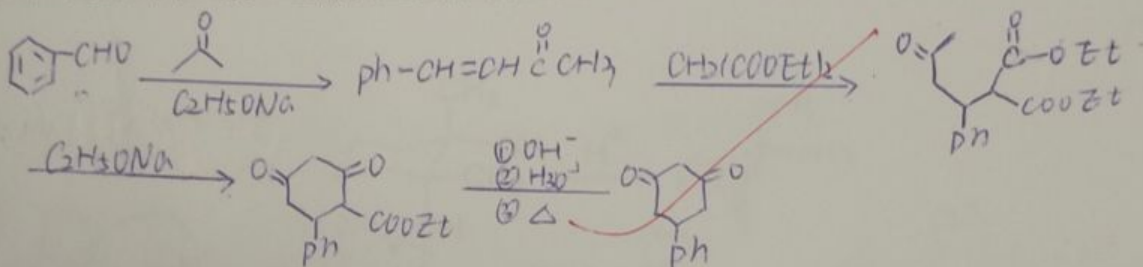


3

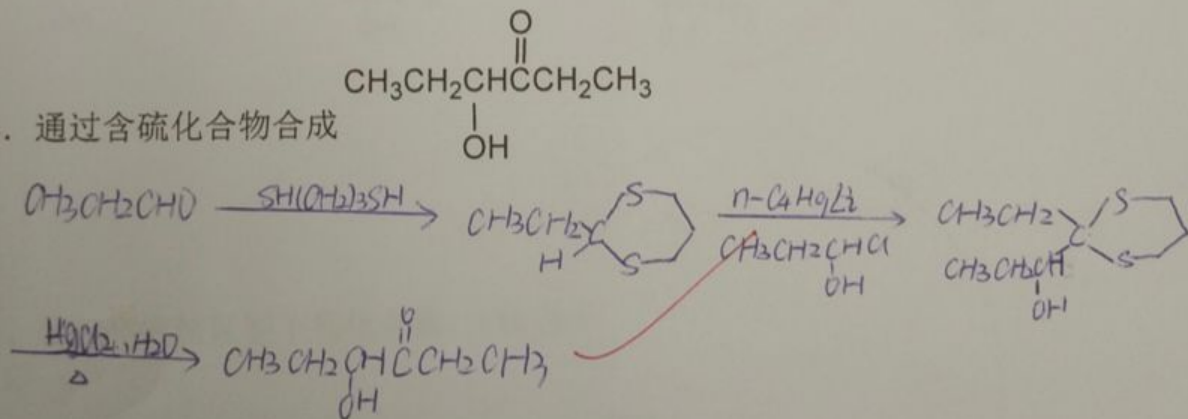
2. 由甲苯为原料设计合成



3. 以苯甲醛、丙二酸二乙酯为主要原料合成

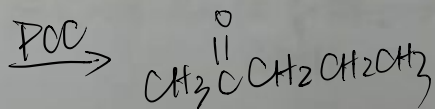
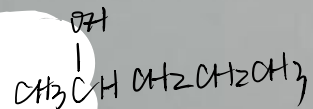
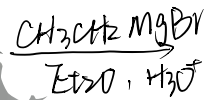
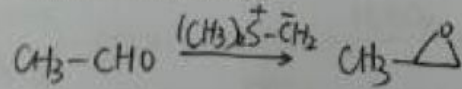
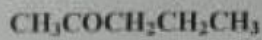


4. 通过含硫化合物合成

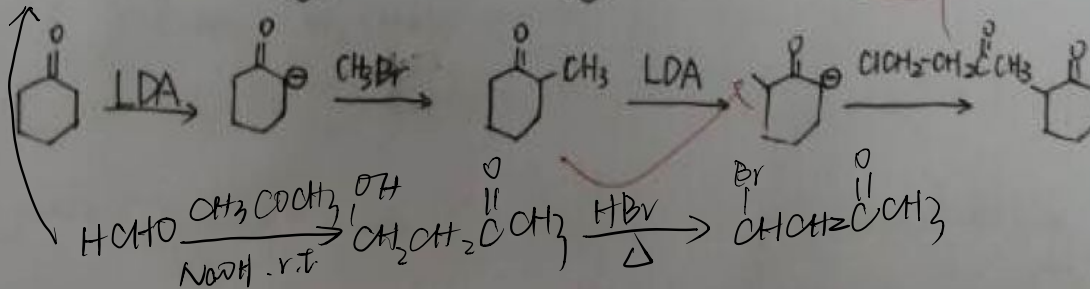
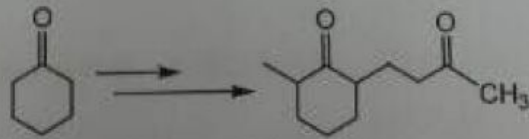




1. 由  $C_2$  以下 (含  $C_2$ ) 有机化合物为原料 并利用含硫有机物合成

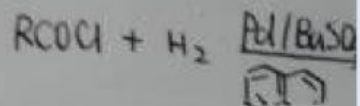


2. 实现下列转化:

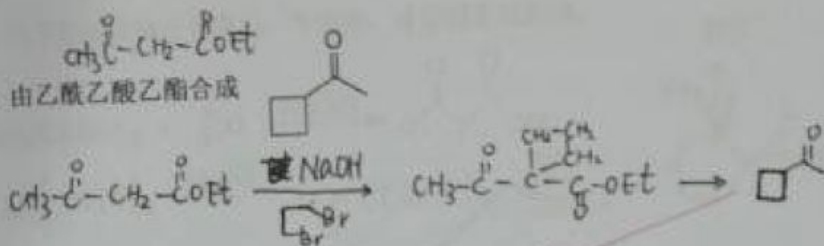


3

三. 9.



3. 由乙酸乙酯合成



4. 以苯甲醛、丙二酸二乙酯为主要原料合成

