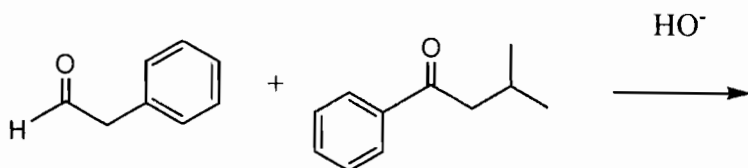
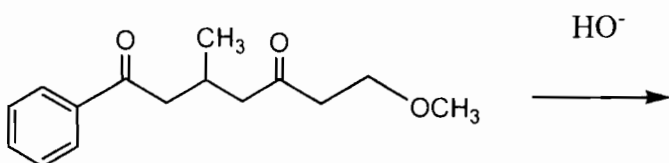


**CHEM 236 Problem set chap 18.**

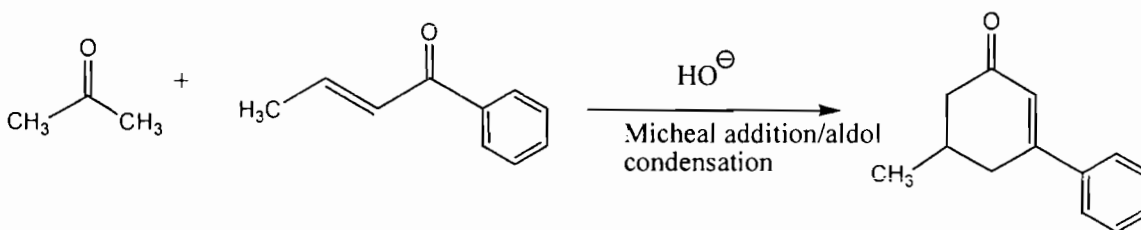
1. An aldol condensation occurs between these two carbonyl groups. Draw all possible products.



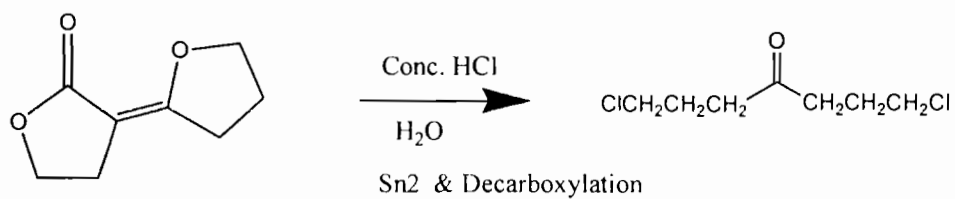
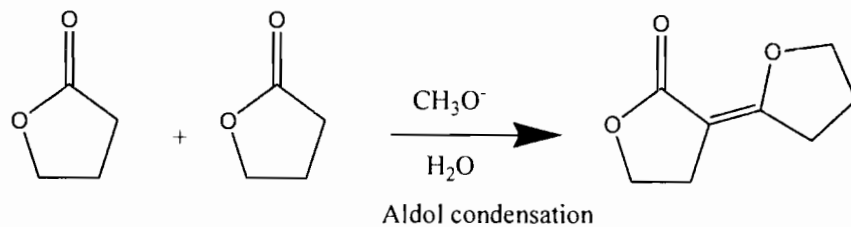
2. Draw the cyclic product and mechanism for the intermolecular Aldol reaction shown below.



3. Draw the mechanism for the reaction below.



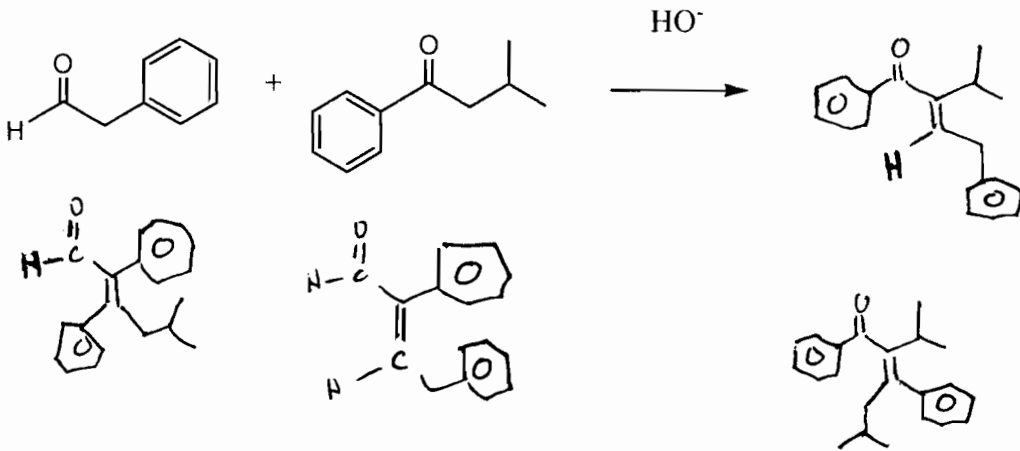
4. Draw the mechanisms for the each of the 2 steps in the reaction sequence below (this is challenging). The first step is an Aldol condensation. The second involves first an Sn2 attack by Cl<sup>-</sup>.



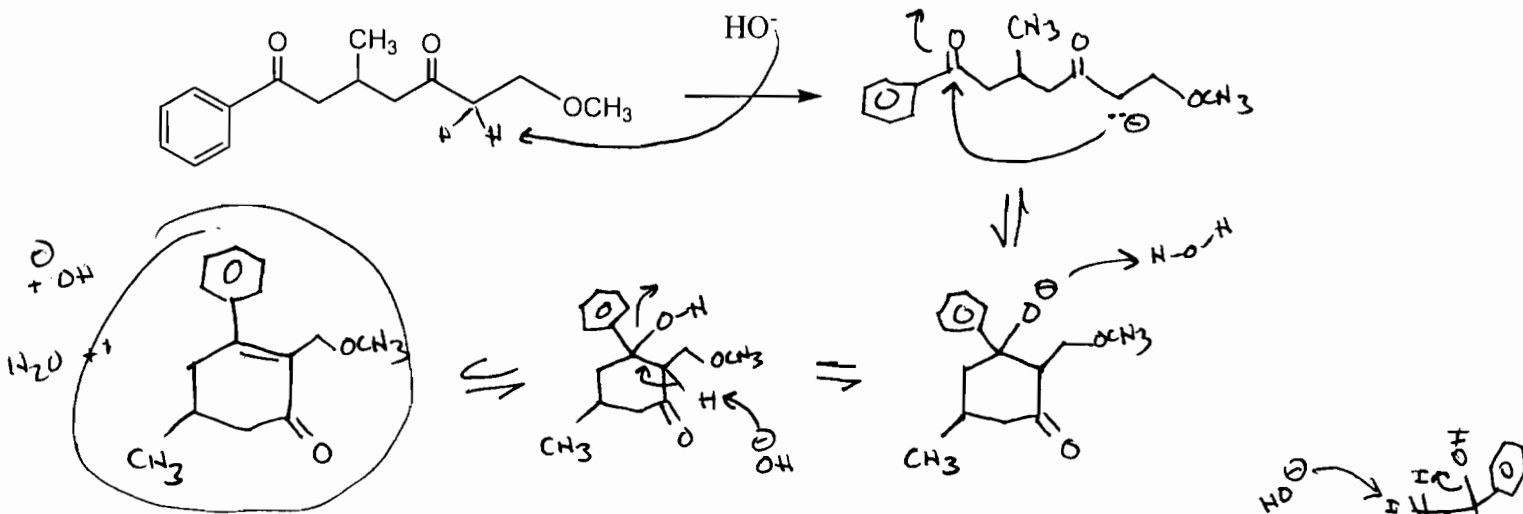
key

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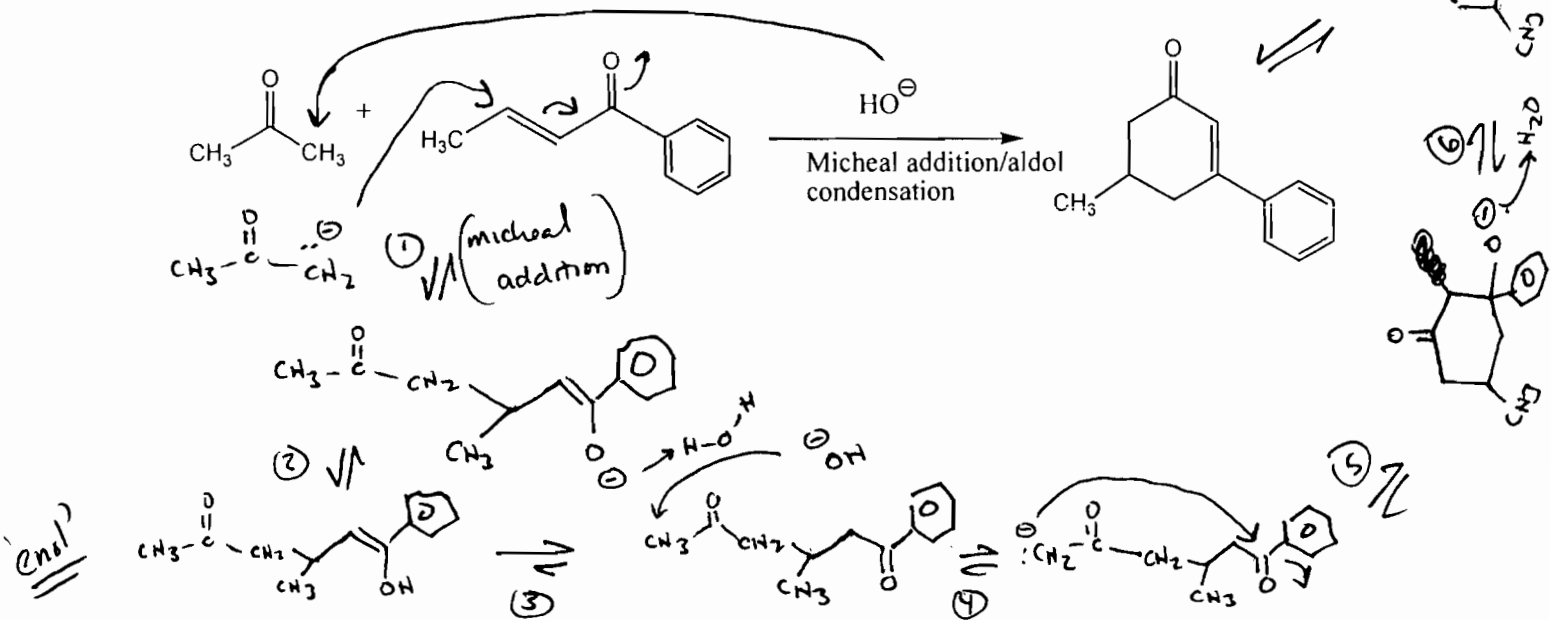
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