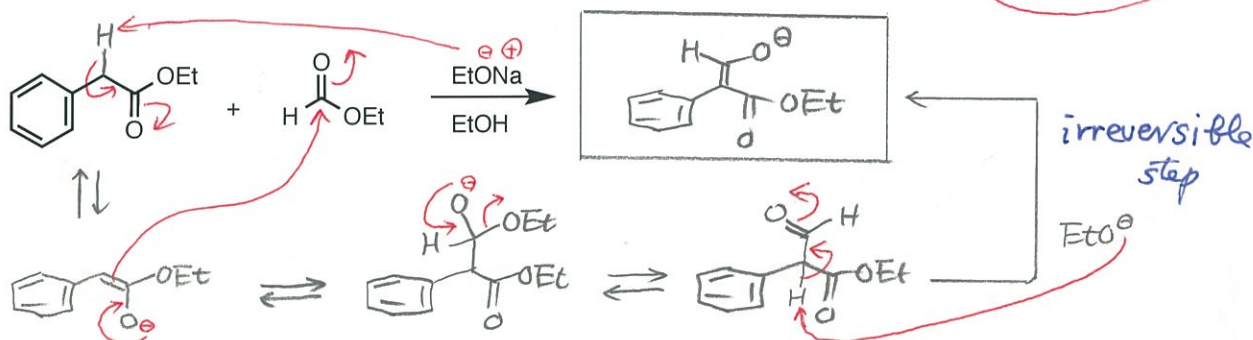
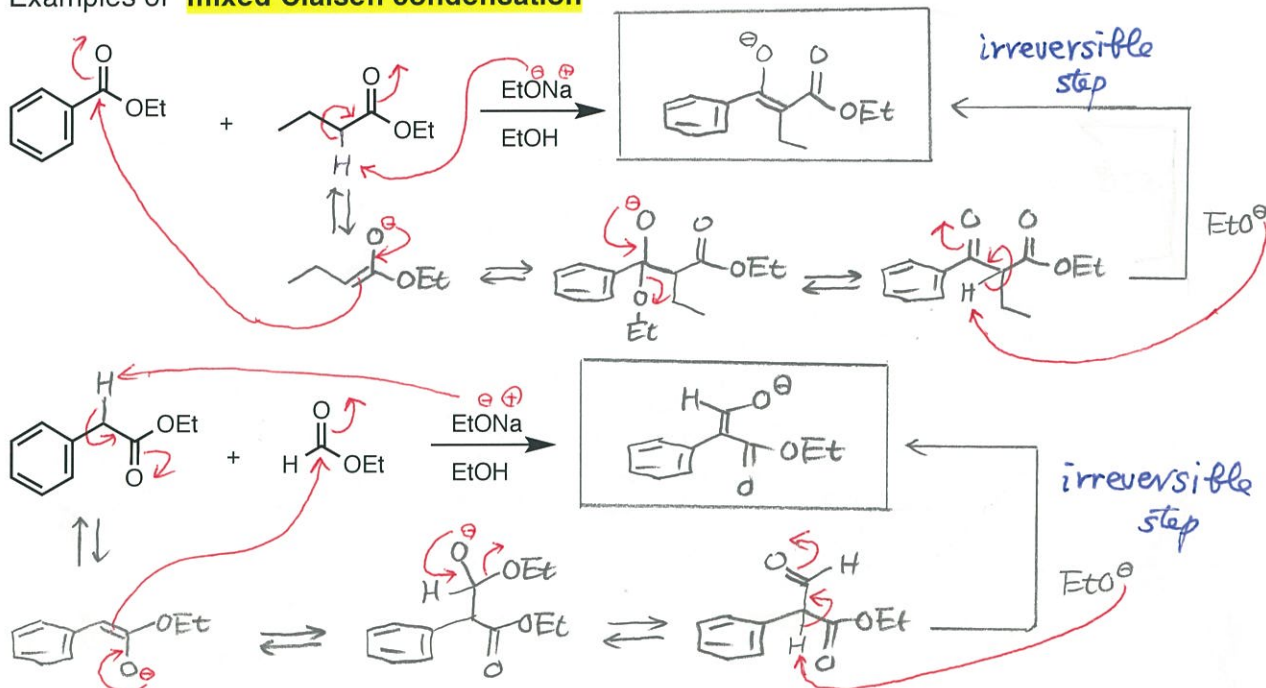


G-30 Bioorganic Chemistry 2016 Problems -1

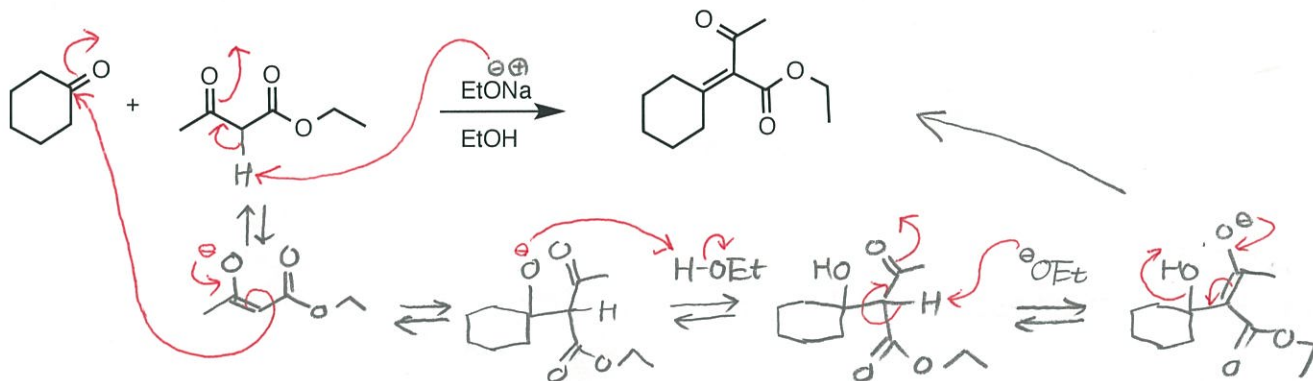
Examples of solutions

1. Write the structures and the mechanisms of the following reactions. cf p 1084 -

Examples of "mixed Claisen condensation"



2. Proposed the mechanism of the following reaction. "Knoevenagel reaction"



3. Suggest the synthetic routes for the following compounds by using the Claisen or Dieckmann condensation. by retrosynthetic analysis cf p 1088 -

