

(1) Finish the Ester Lab if necessary (distill, GC, IR, weight, % yield.)

(2) Set Up the Benzoin Condensation Reaction. This is the first reaction in a multi-step synthesis that will be continued over the next three lab periods. The reaction can be heated for 1.5 hr OR left overnight (or more conveniently, over the week). You will allow the reaction mixture to sit over the week. Follow the procedure in Williamson, Chapter 53, "Thiamine-Catalyzed Benzoin Condensation", Macroscale Procedure. Once the reactants are combined and mixed well, DO NOT HEAT THE MIXTURE. Stopper the Erlenmeyer with a cork, set it into a beaker for safe-keeping, and place it into your drawer. You will work up the reaction at the next lab period.