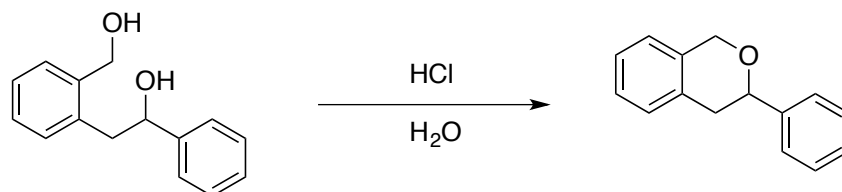
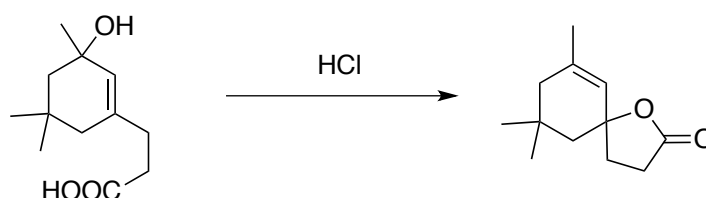


Group problem set 1

1. Propose at least two different detailed mechanisms for the reaction below, discuss their relative strengths and weaknesses and decide on the most likely pathway. Is the reaction acid catalyzed?



2. Propose a detailed mechanism for the transformation. The logic of each step must be made clear and alternative options must be discussed briefly.



3. Propose a detailed mechanism for the transformation. The logic of each step must be made clear and alternative options must be discussed briefly.

