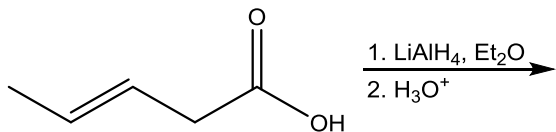


Carboxylic Acids 3

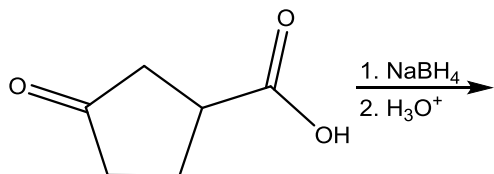
Hell-Vollhard-Zelinsky, Amide/Peptide Synthesis, Reduction of Carboxylic Acids

Ex. 1: Predict the major product for the following:

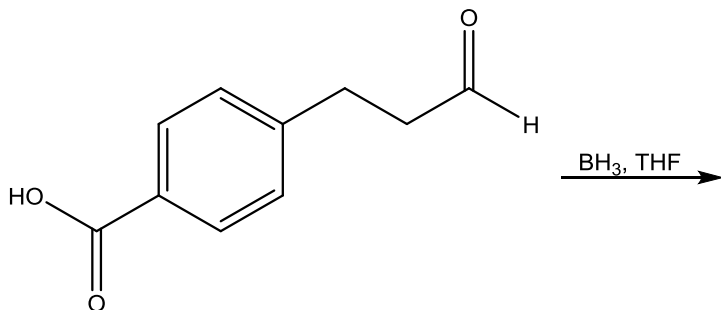
a)



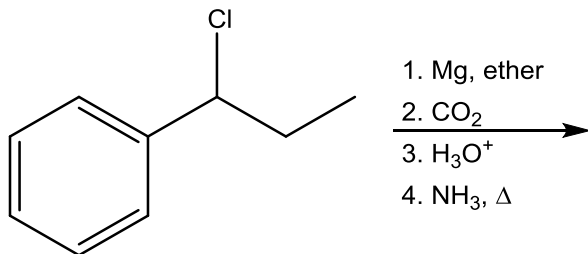
b)



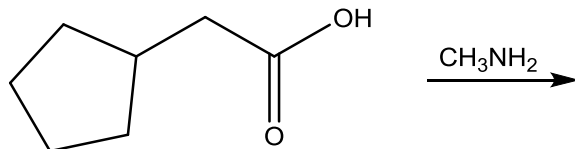
c)



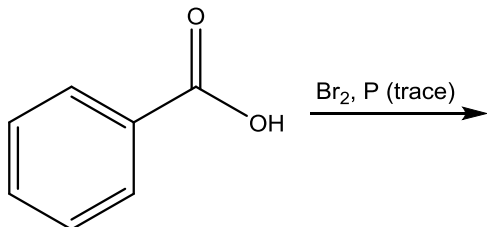
d)



e)

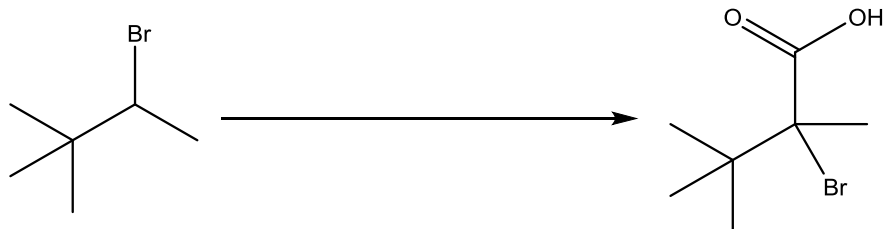


f)

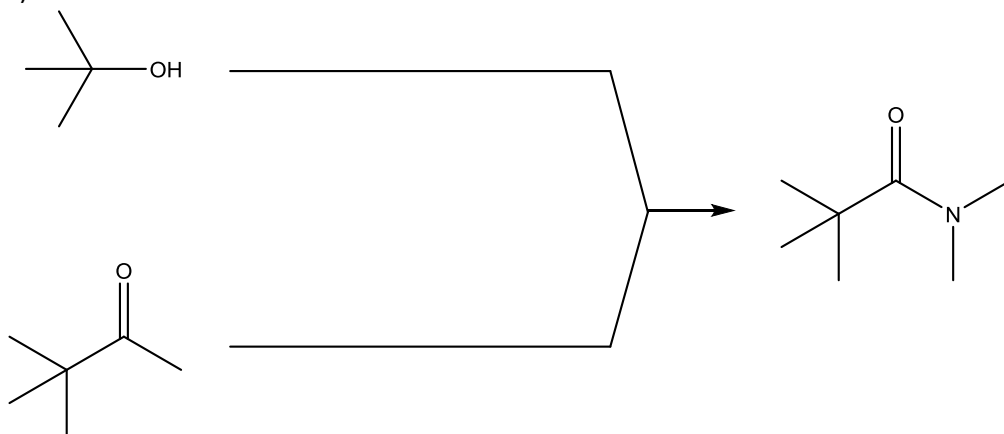


Ex. 2: Propose a synthesis for the following transformation:

a)

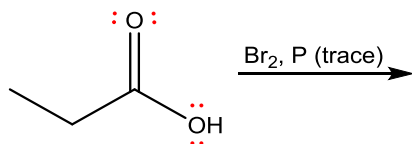


b)



Ex. 3: Predict the product and propose a mechanism for the following transformations:

a)



b)

