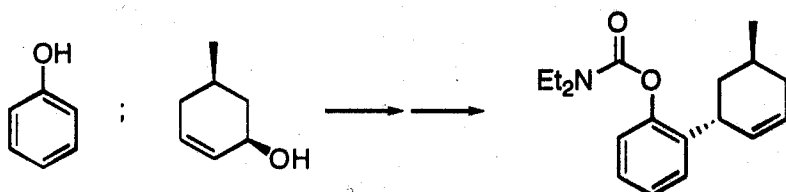
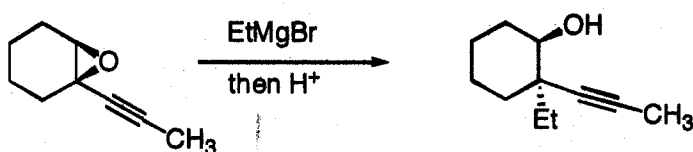


1. Provide a multistep synthesis using the indicated materials and any other starting materials



SEE NEXT
PAGE

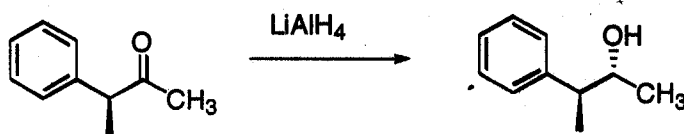
2. Determine the type of selectivity DIASTERESELECTIVITY



stereospecific

or

stereoselective

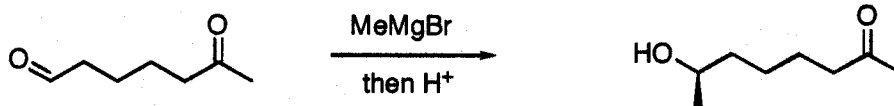


stereospecific

or

stereoselective

3. Circle all types of selectivity that apply (there may be more than one answer)

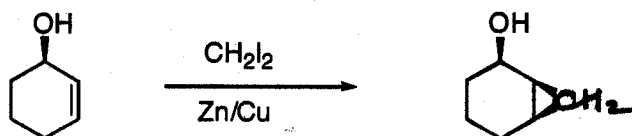


this reaction is:

chemoselective

regioselective

diastereoselective

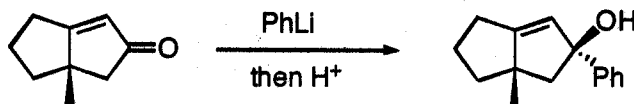


this reaction is:

chemoselective

regioselective

diastereoselective

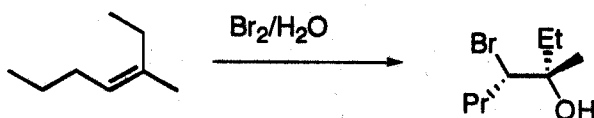


this reaction is:

chemoselective

regioselective

diastereoselective



this reaction is:

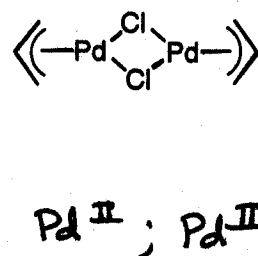
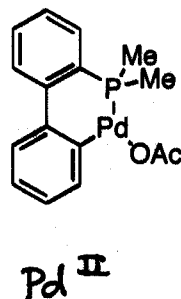
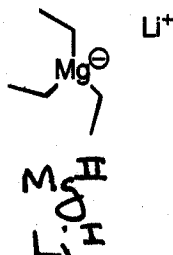
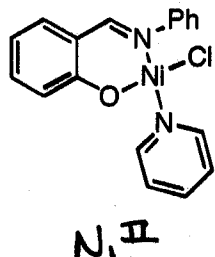
chemoselective

regioselective

diastereoselective

Key

4. Assign an oxidation state to each metal



5. Reading assignment from the Primary Literature

provide a brief synopsis (hand drawn structures) of a paper from the primary chemical literature. ~ Organic Letters and Tetrahedron Letters are the most appropriate sources for papers. Select an article that describes a new type of synthetic methodology. In addition to outlining the main idea of the paper, I ask that you make a list at the bottom of "reactions/concepts learned by reading this paper".

6) Complete the online tutorial for conducting a cited reference search using the Web of Science database. Using any one of the references for this week, conduct a cited reference search. Write down the 3 most recent references that cite the work.

Answer to #1

