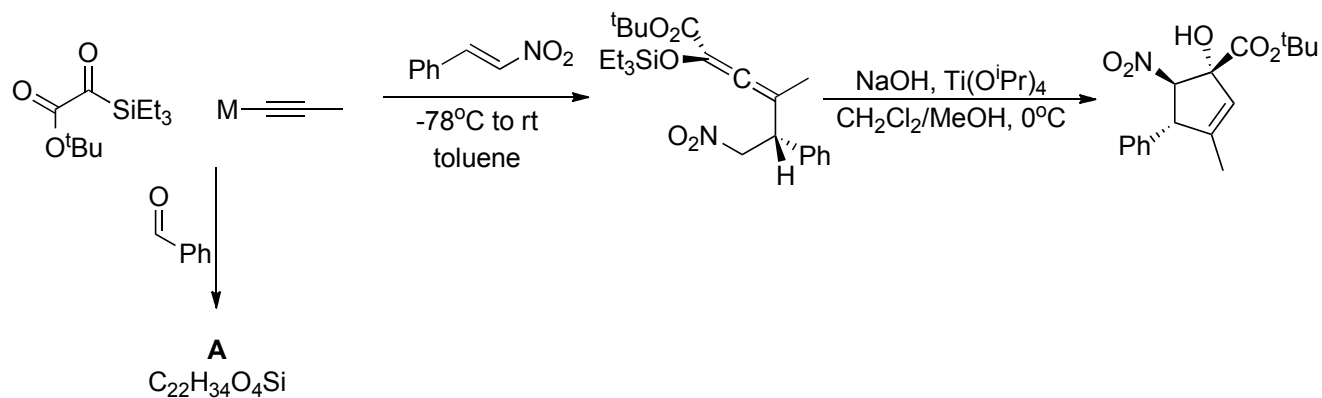
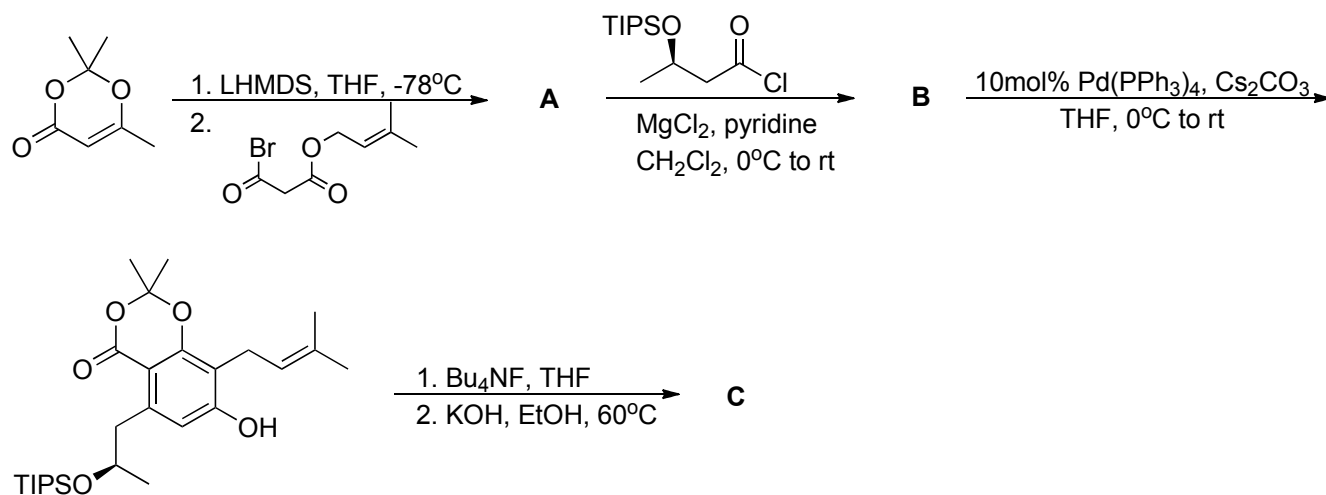


Group Problems; 24/01/2012

1. Please provide mechanisms for these transformations and suggest the structure of **A**.



2. Please suggest the structures of intermediates **A-B**, product **C** and mechanisms.



3. Please suggest reagents and mechanisms for the transformations **a-d**, and predict the relative stereochemical outcome for the last step.

