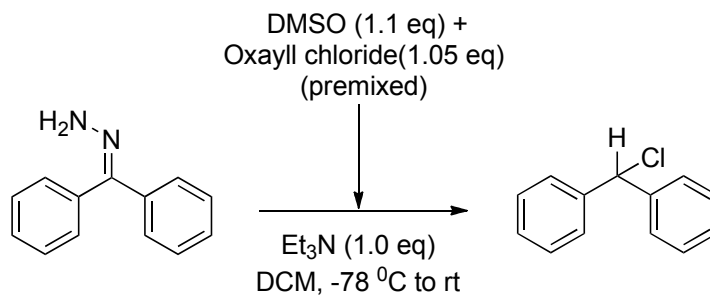
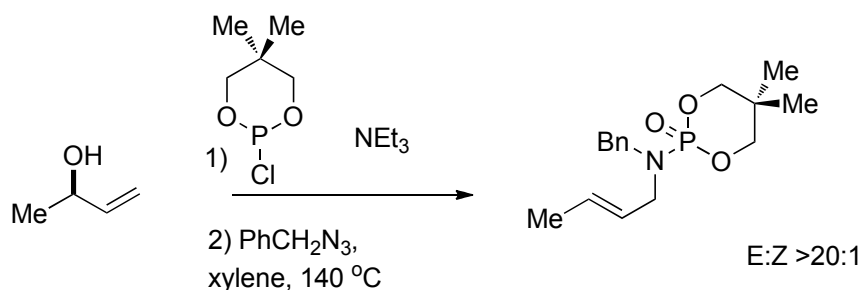


Group Problems; 7/11/2011

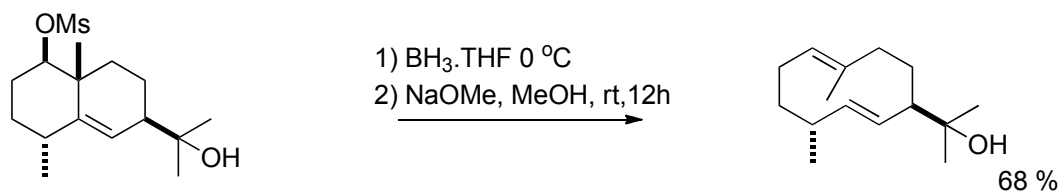
1. Please provide a mechanism for this transformation



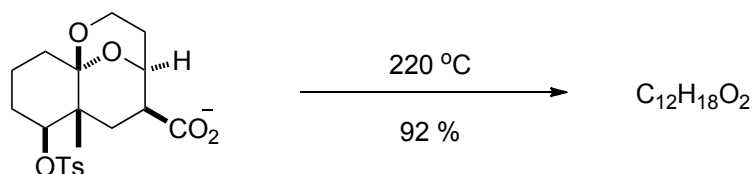
2. Please suggest a mechanism, which explains the olefin selectivity



3. Please suggest a mechanism, which also explains the geometry of the product



4. Please predict the structure of the product, including the stereochemistry of the double bonds.



5. Please provide a mechanism for this reaction, and predict the relative stereochemical outcome

