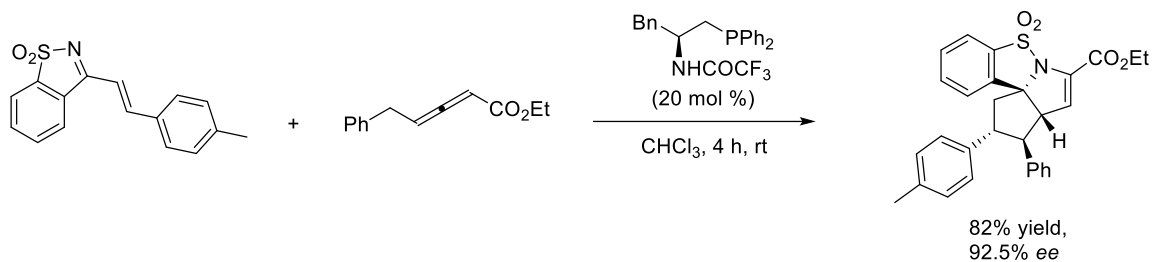
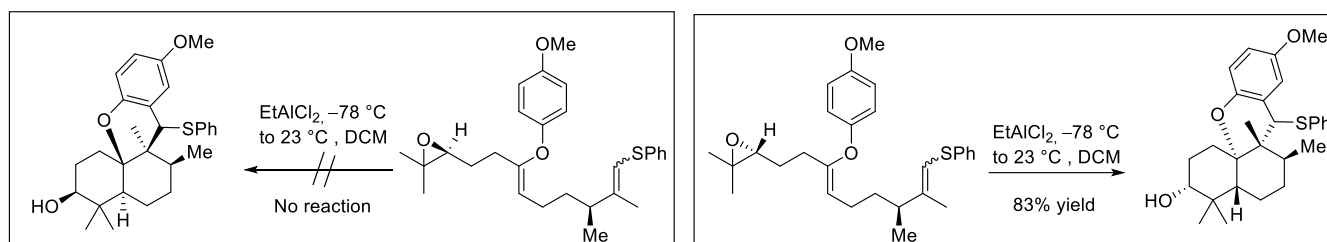


## Group Problems– 24<sup>th</sup> Jan 2017

1. Please provide a mechanism for the following transformation



2. Explain the following cascade transformations with mechanisms



3. Please identify the structures of intermediates A, B and C, and give mechanisms and stereochemistry of the resulting products

