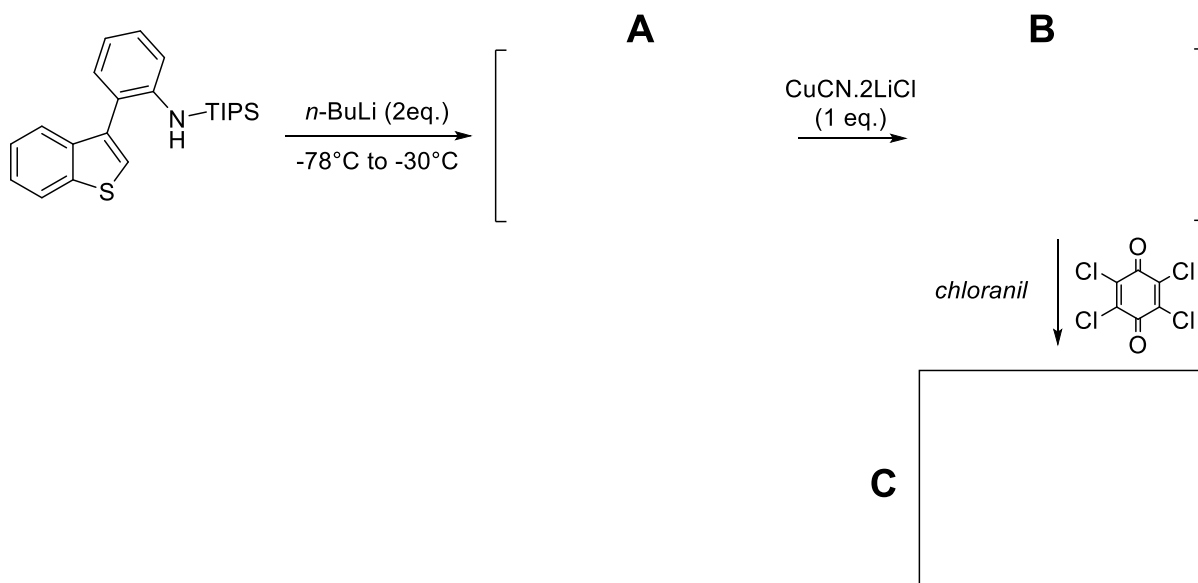


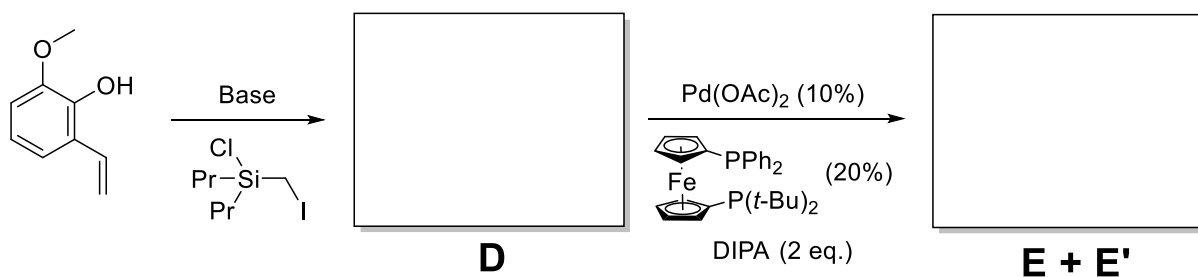
Problem Set #4 – Modern Synthetic Methods

10.07.2015

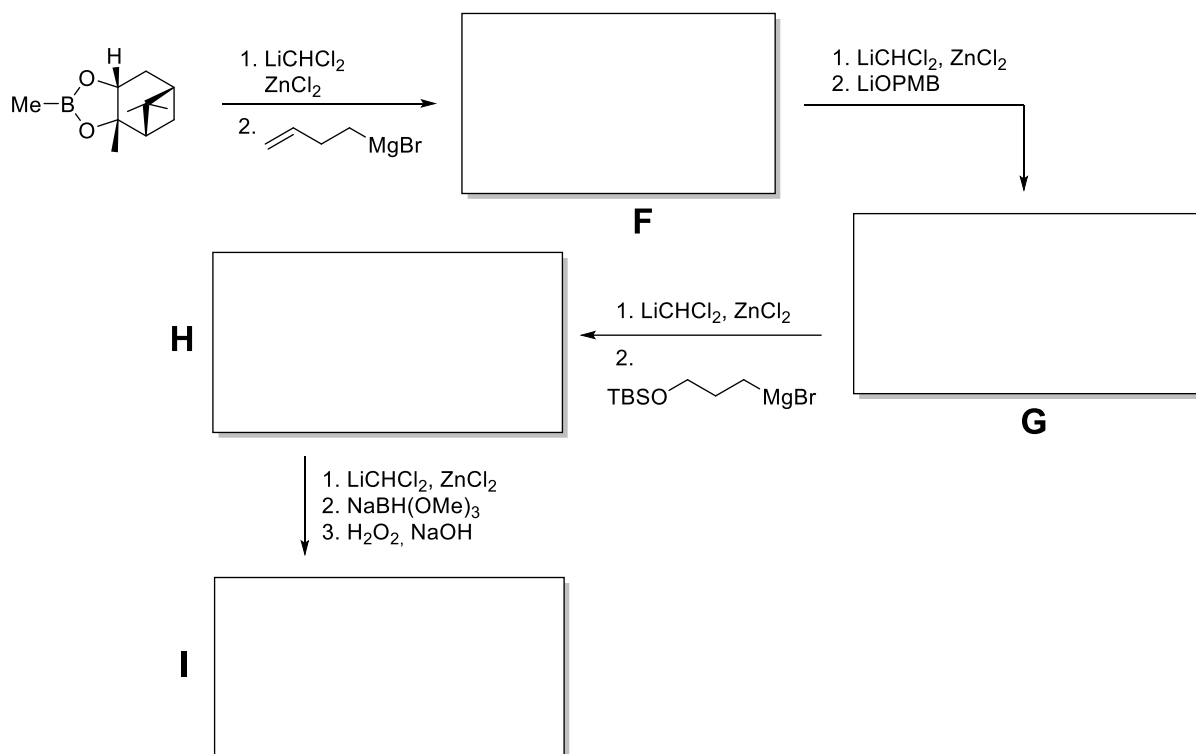
1) Describe intermediates **A** and **B**. Find the final product **C**.



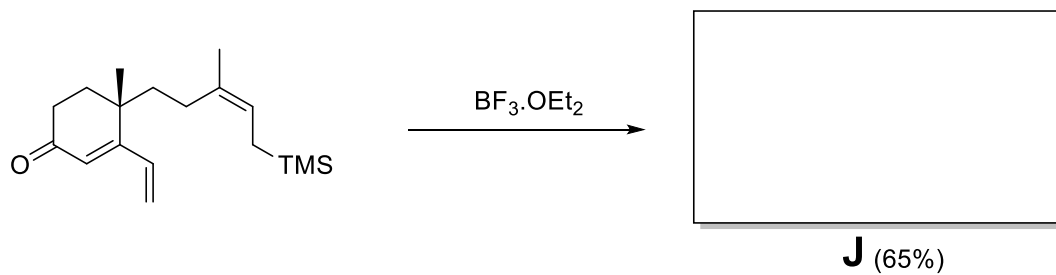
2) Find structures **D** and **E**. In second transformation, different isomers can be formed ($\text{E} + \text{E}'$). The major compound doesn't possess exocyclic double bond.



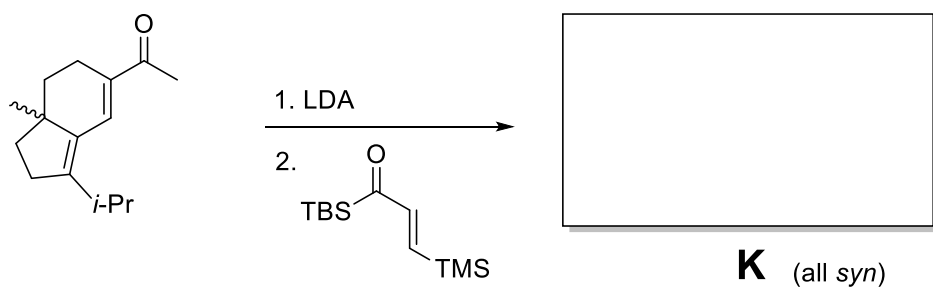
3) Find structures F, G, H and I, knowing that the final relative configuration is "all syn".



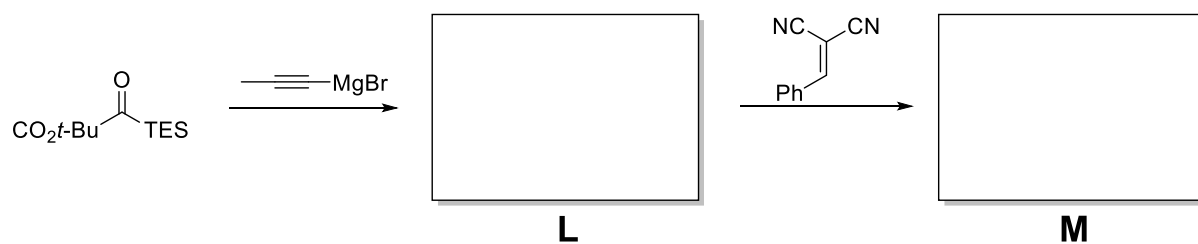
4) Find structure J knowing that the compound presents a *syn*-dimethyl configuration.



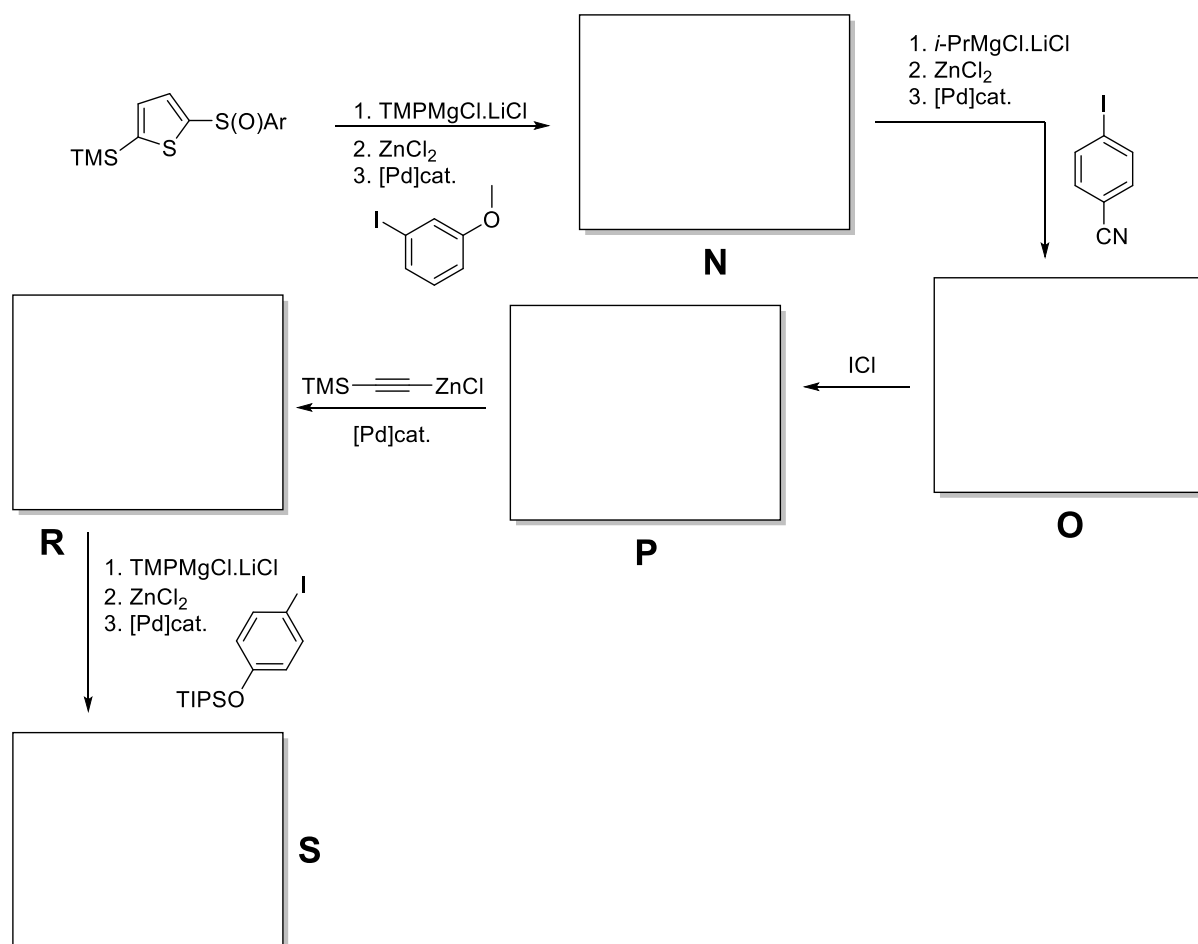
5) Find the tricyclic structure K.



6) Find the intermediate **L** and the final compound **M**.



7) Find structures **N**, **O**, **P**, **Q**, **R** and **S**.



8) Find T, U and V.

