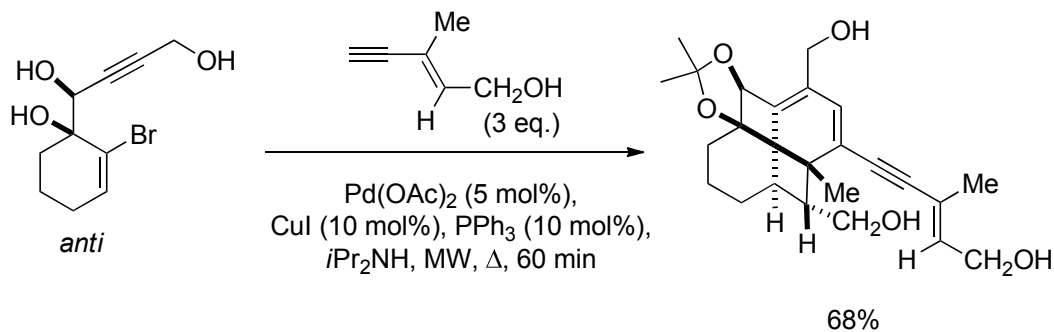
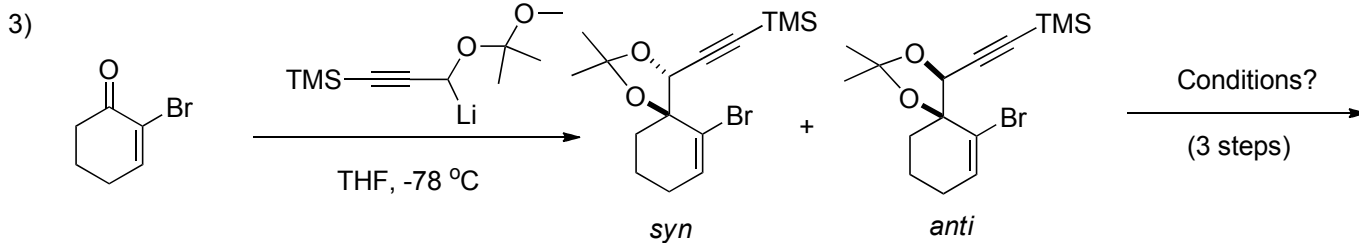
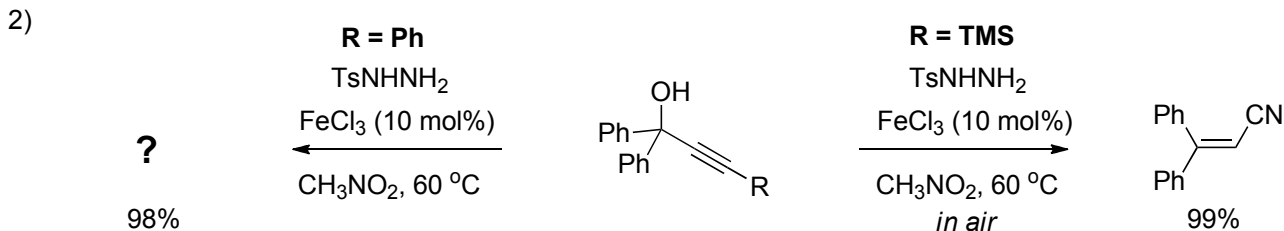
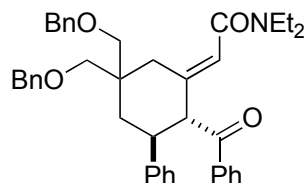
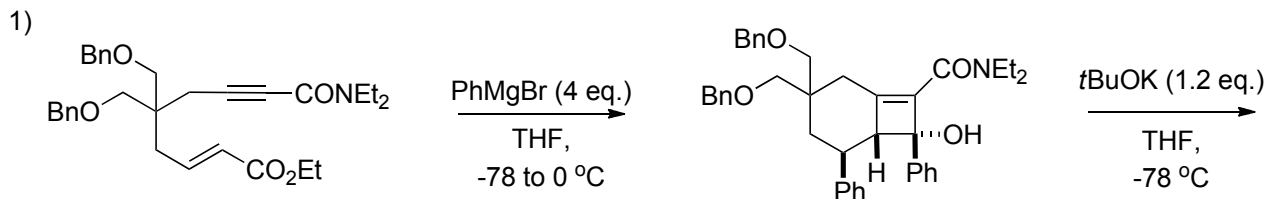


Group Problems 08/05/2012

Please provide mechanism, reagents and intermediates, and account for any stereochemical outcomes



Hint: Involves both a songashira and alkylation followed by electrocyclisations