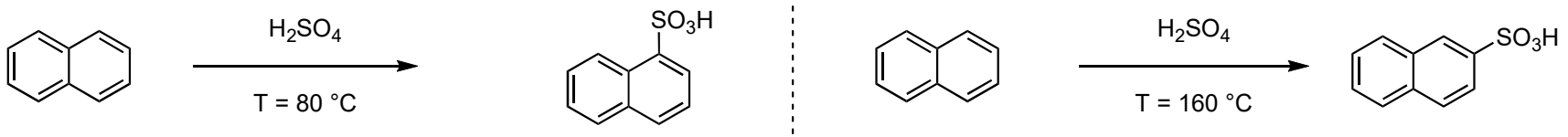
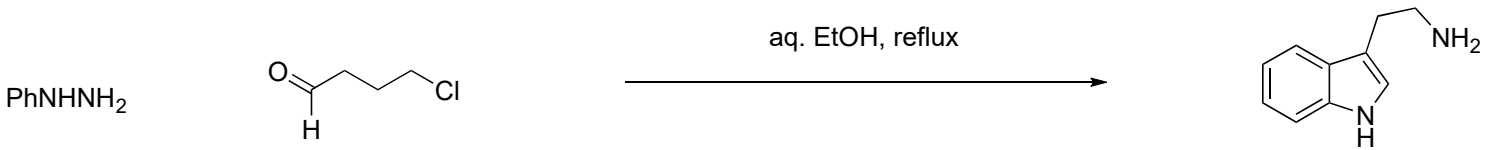
Draw a reaction coordinate diagram to make sense of these datas

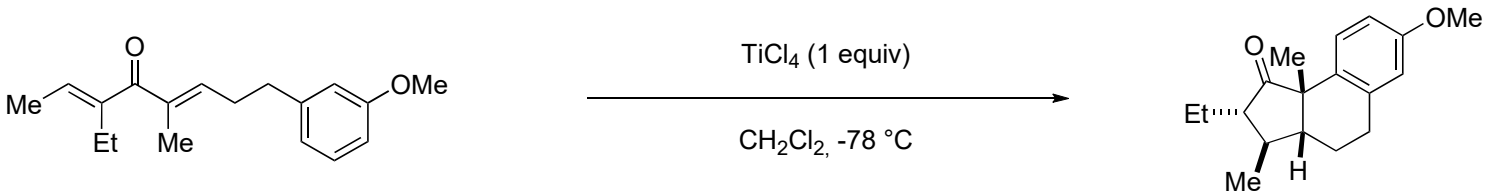


Provide a reasonable mechanism for the following transformations. Rationalize the stereochemistry when necessary

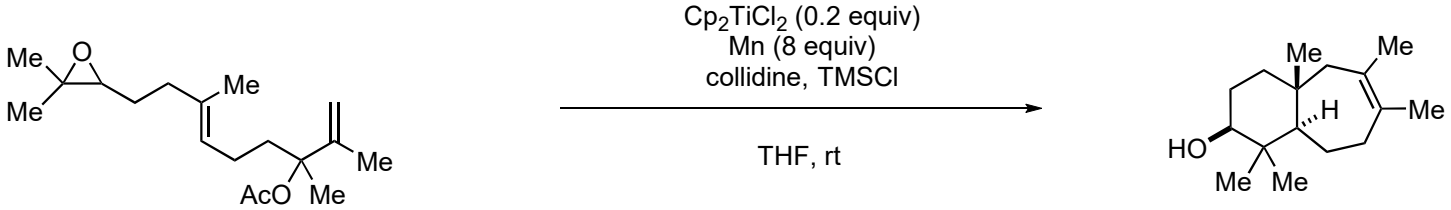
A



B



C



Note : the collidine / Me_3SiCl combo allow to form Cp_2TiCl_2 from $Cp_2Ti(H)Cl$ or $Cp_2Ti(OAc)Cl$.