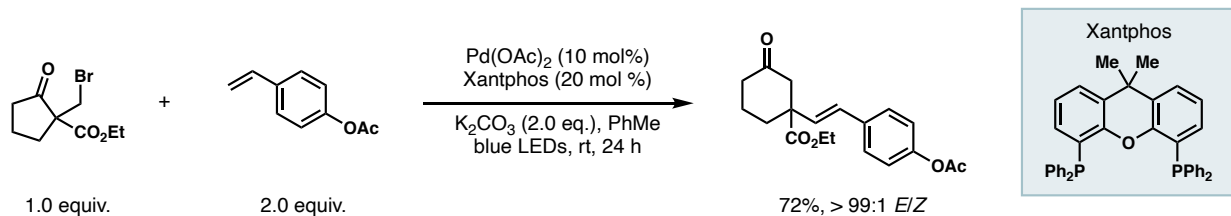
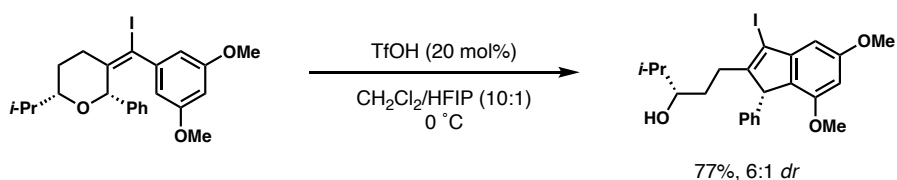


(1) Propose a mechanism and provide the name of the reaction.



(2) Propose a mechanism and provide the name of the reaction. Rationalize the stereochemical outcome.



(3) Propose a mechanism for the following transformation from a recent total synthesis of (-)-rhodomollanol.

