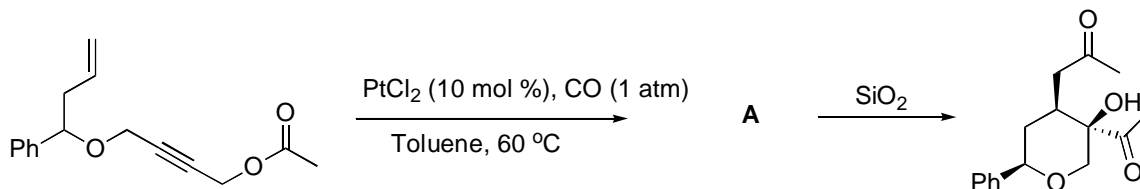


*Group Meeting – July 6, 2010*

1. Predict the structure of intermediate **A** obtained from the Pt (II)-catalyzed reaction, which upon silica gel gives rise to the final product shown. In addition, please propose a mechanism for this transformation.



*Hint:* CO does not participate directly in this transformation.

2. Propose a mechanism for the following transformation and propose a transition state to rationalize the stereochemical outcome.

