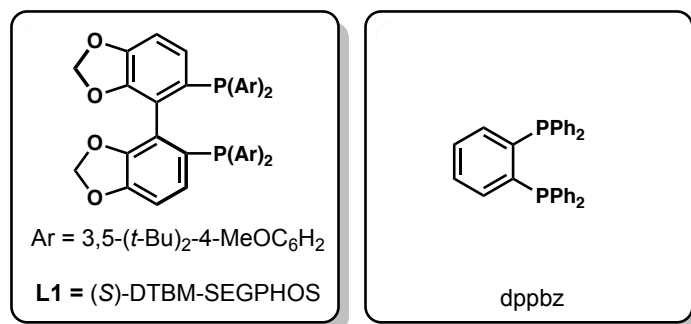
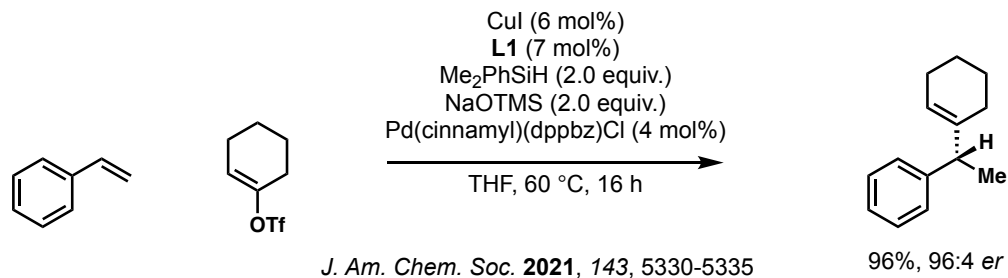
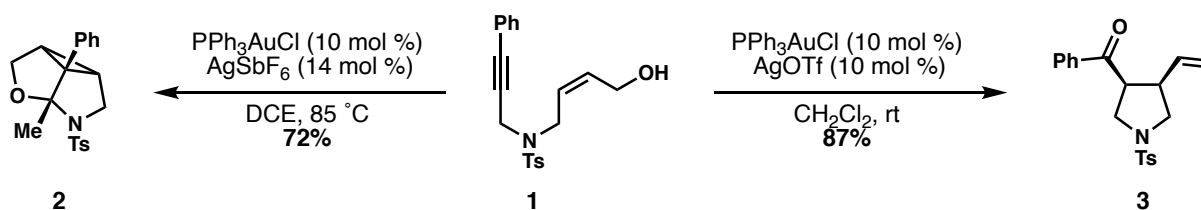


1. Propose a mechanism for the following transformation.



2. Two research groups found that alkynyl allylic alcohols (**1**) undergo cyclization to provide two different products by altering the identity of the silver additive, solvent, and temperature. Propose mechanisms for both transformations.

Hint: The mechanisms do not share a common intermediate.



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