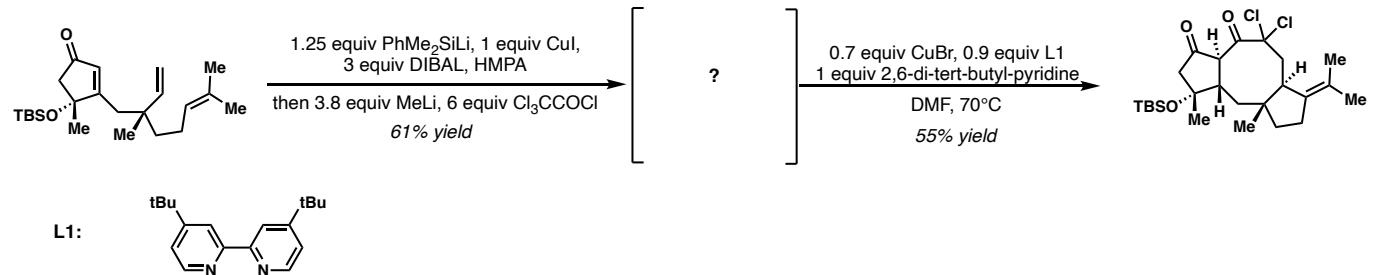


Problem 1/13/2023

1. Please provide the structure in the middle and provide the mechanism for the second step.  
(*Angew. Chem. Int. Ed.* **2020**, 59, 1532-1536)



2. Please provide the mechanism (*J. Am. Chem. Soc.* **2021**, 143, 10576-10581)

