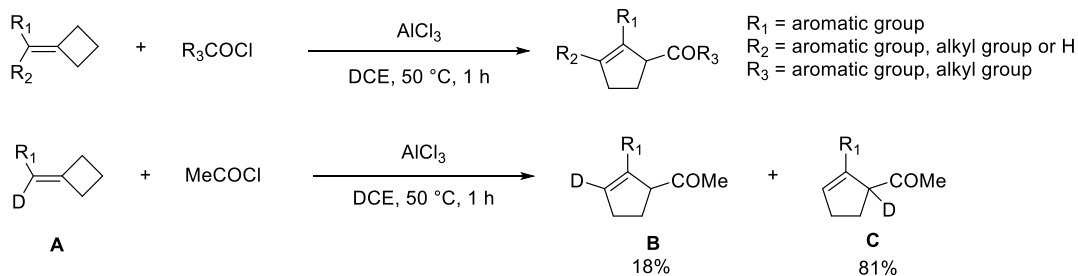
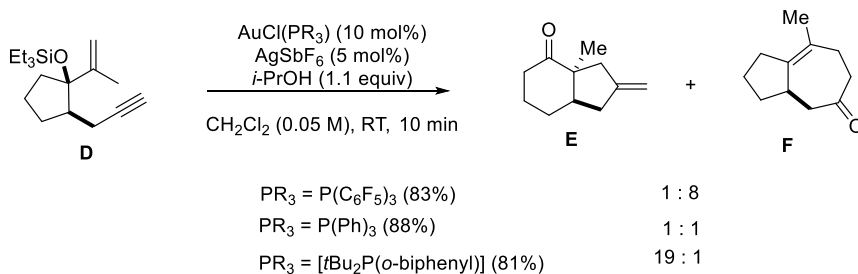


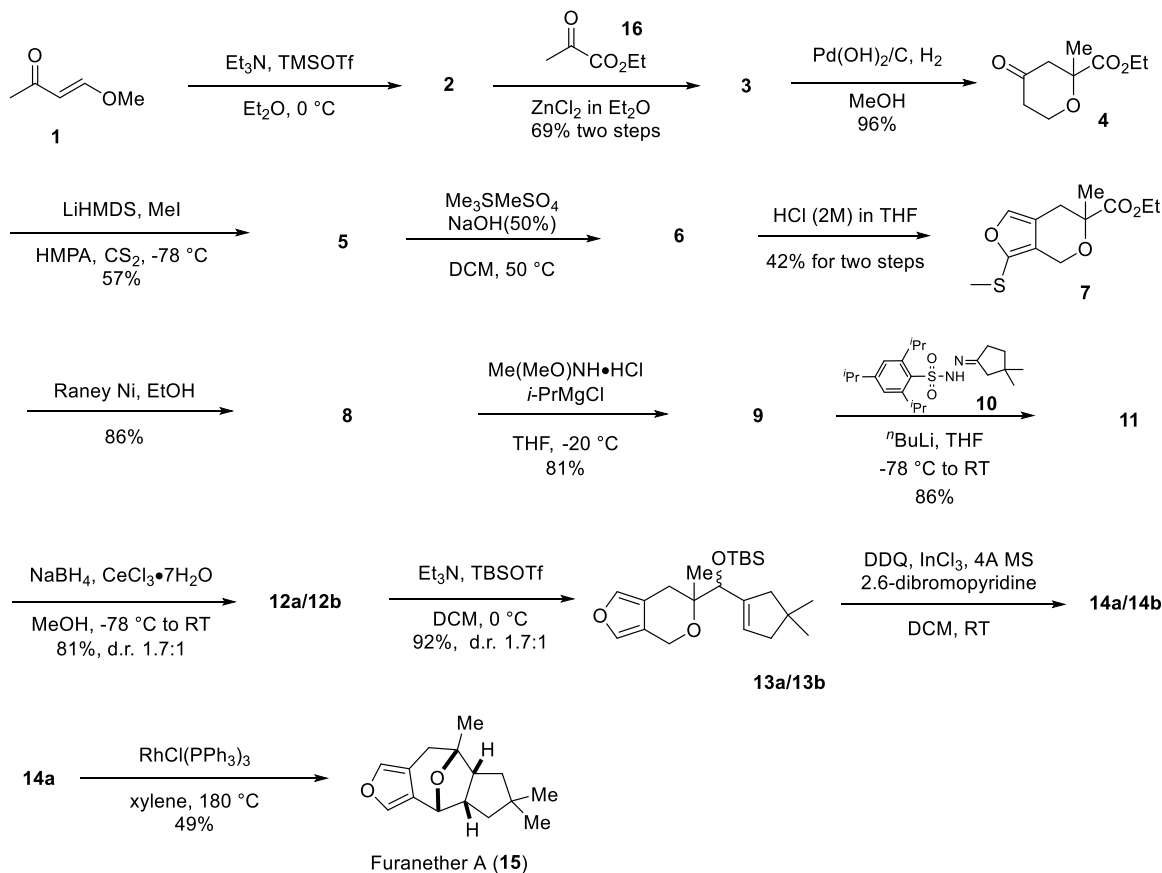
1. Please provide a plausible mechanism for the deuterium reaction (*Org. Lett.* **2008**, *10*, 2239-2242)



2. Please provide a plausible mechanism for the reaction (*Org. Lett.* **2008**, *10*, 2605)



3. Please provide the missing structures and describe a plausible mechanism for the reaction from **13** to **14** (*Org. Lett.* **2021**, *23*, 8843-8846)



4. Please provide the missing structures

