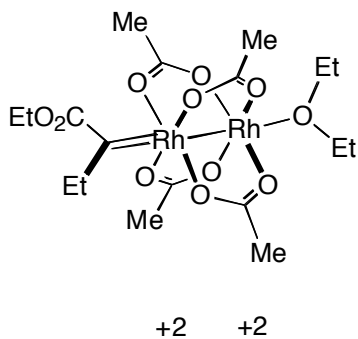
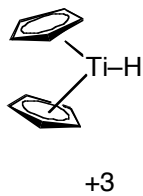
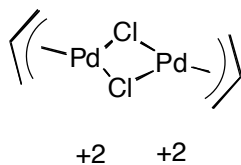
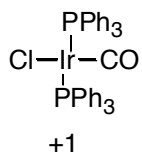
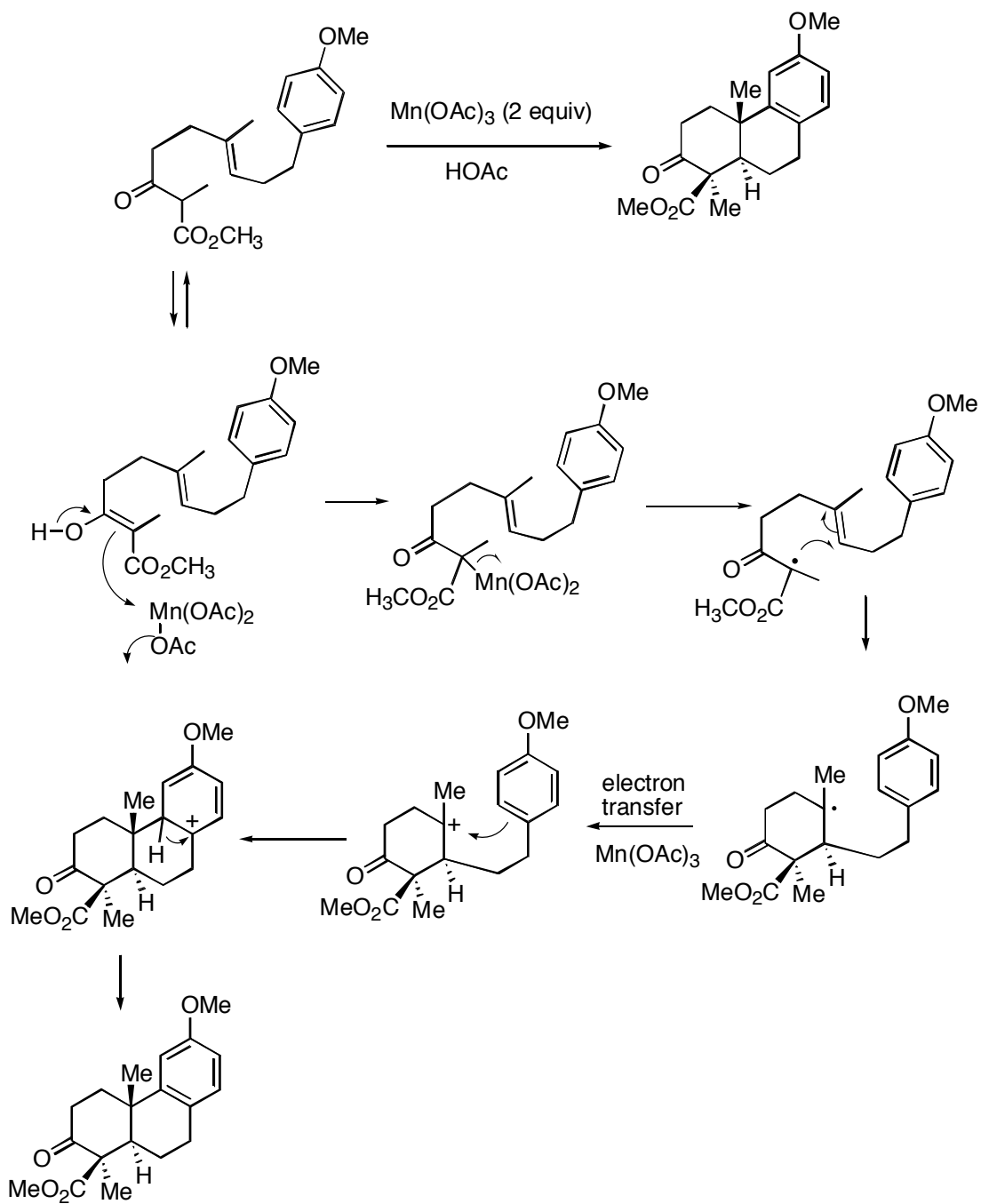


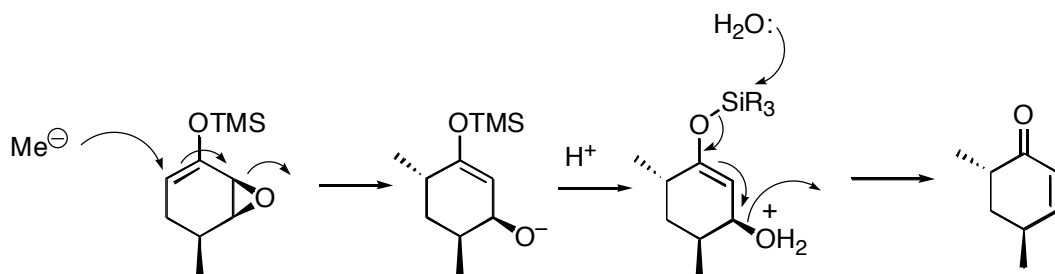
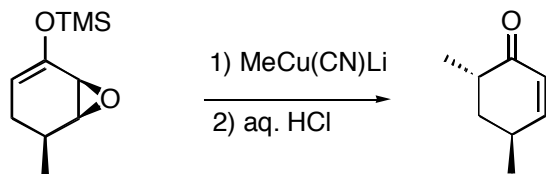
5) Assign metal oxidation states



2) Write an arrow pushing mechanism



3) Write an arrow pushing mechanism



4)  $\text{CuI}$  forms a copper acetylide, which transmetalates with  $\text{ArPd}$ . The reaction is catalytic because  $\text{CuI}$  is regenerated

