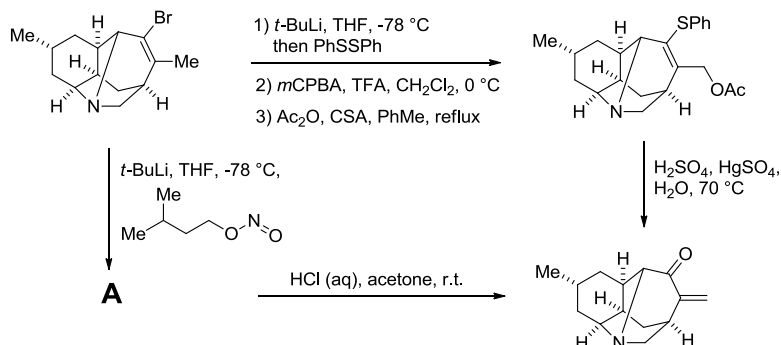
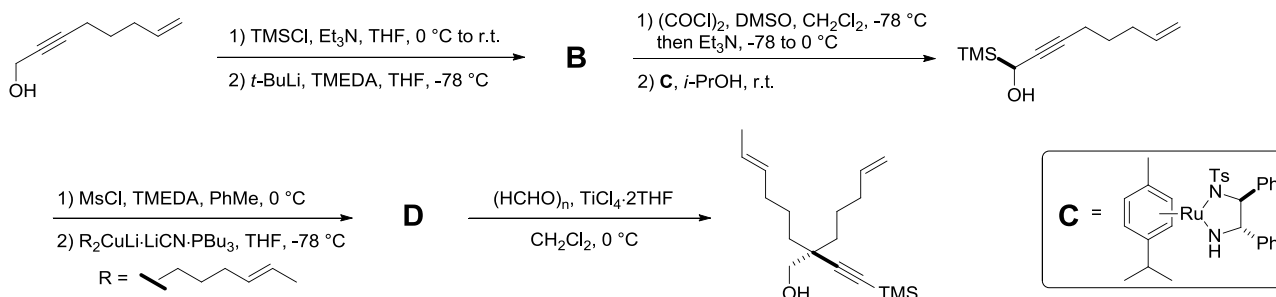


Provide reagents, mechanisms and intermediates where appropriate.

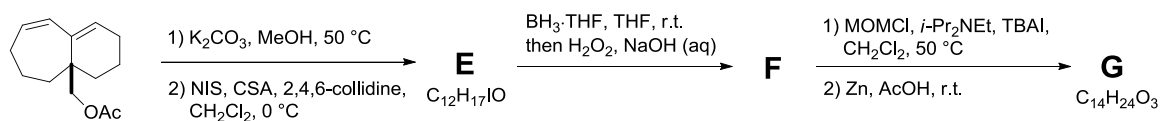
1) *J. Am. Chem. Soc.* **2010**, *133*, p.418.



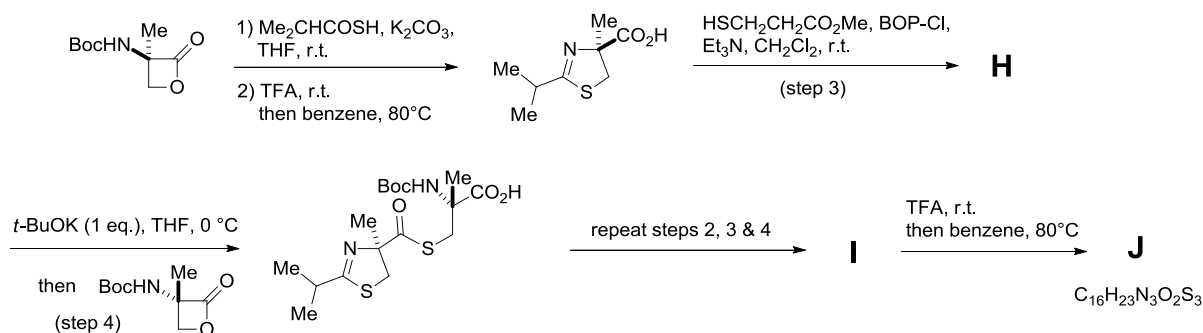
2) *Org. Lett.* **2011**, *13*, p.4446; Noyori reduction *J. Am. Chem. Soc.* **1997**, *119*, p.8738 & *Angew. Chem. Int. Ed.* **1997**, *36*, p.285; Chirality transfer *Synthesis* **1998** p.509.



3) Same as Q 2



4) *J. Am. Chem. Soc.* **1993**, *115*, p.8449



5) Same as Q 4

