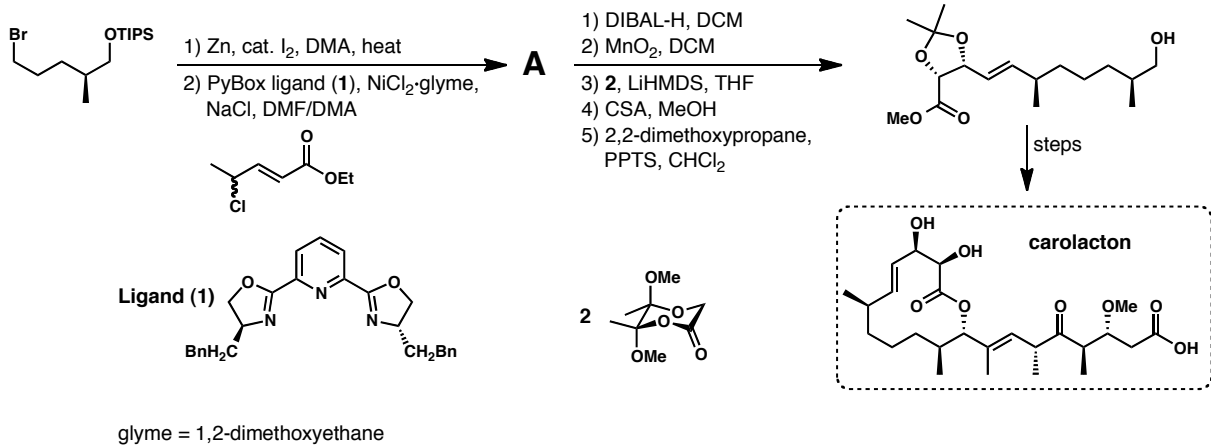


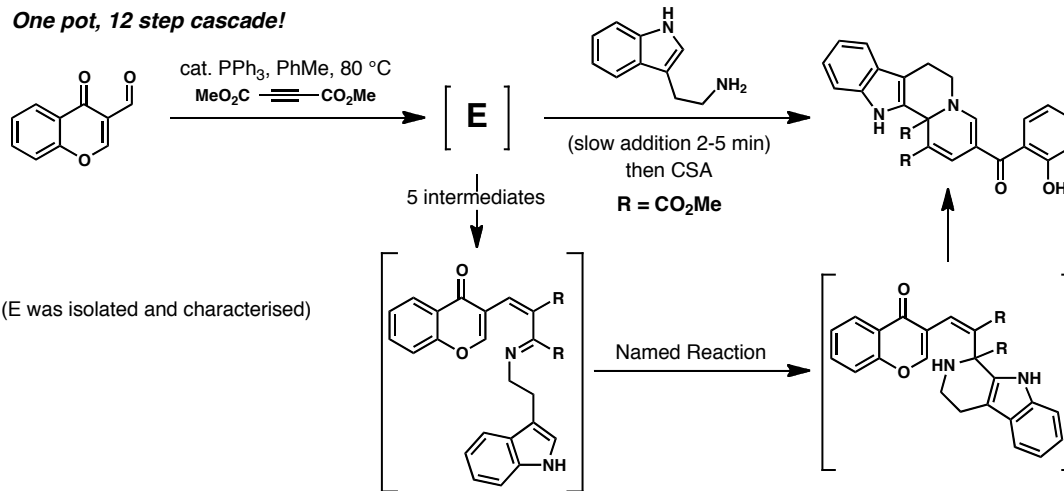
Complete the following synthetic problems giving reagents, structures and mechanisms where required.

1.



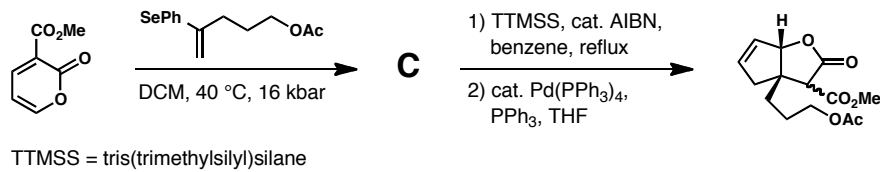
Angew Chem Int, 2012, p1063

2.



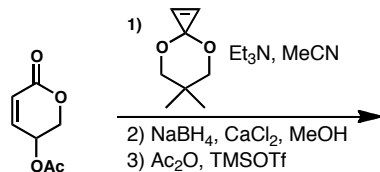
Nature Chem Bio, 2011, p179

3.



Org Biomol Chem, 2006, p1464

4.



Org Lett, 2002, p3091

5.

