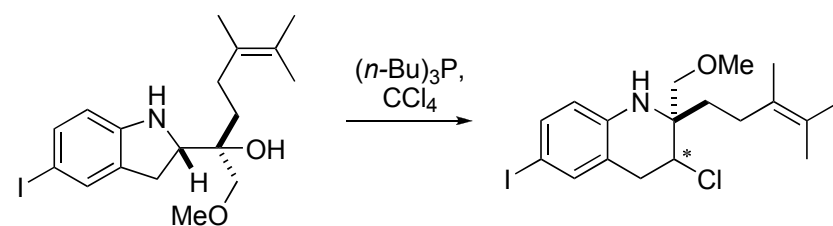
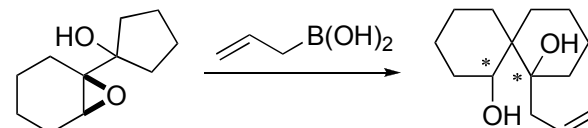
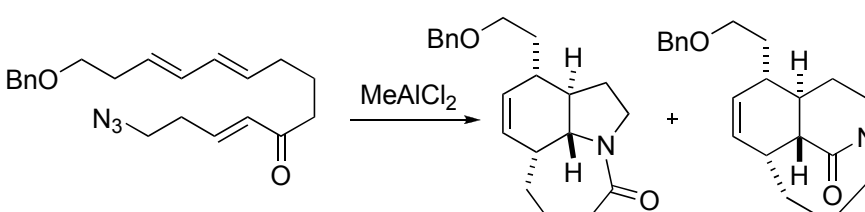


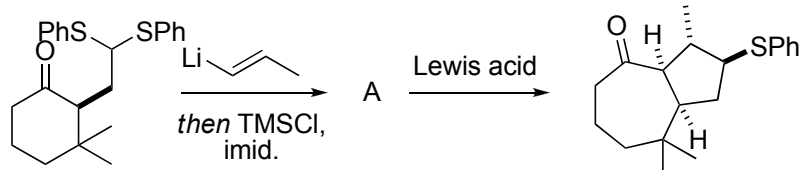
Problems 29/01/10

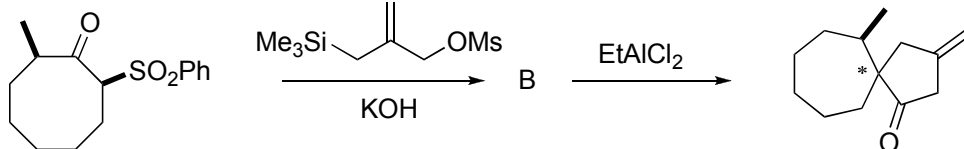
Mechanisms and stereochemistry at designated centres

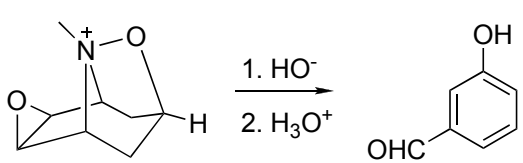
- 

1. CC(C)C(O)C1CNc2ccc(I)cc2C1OC.CC(C)C1CNc2ccc(I)cc2C1OC>>CC(C)C(OC)C1CNc2ccc(I)cc2C1Cl
- 

2. C1CCC2(C1)O2.O=C(O)C=C>>C1CCC2(C1)O(O)C2.C=C
- 

3. CCCCC(=O)C#N.CCOC(=O)CCCCC(=O)C#N>>C1CC2(C1)N(C2)C(=O)C#N.CCOC(=O)CCCCC(=O)C#N
- 

4. CC1(C)C(=O)C(SPh)C1C2(C)CC2>>A>>CC1(C)C(=O)C(SPh)C1C2(C)CC2
- 

5. CC1(C)C(=O)C(S(=O)(=O)Ph)C1C2(C)CC2>>B>>CC1(C)C(=O)C=C1C2(C)CC2
- 

6. C12OC1N2C3C(C1)CC3>>C12OC1N2C3C(C1)CC3