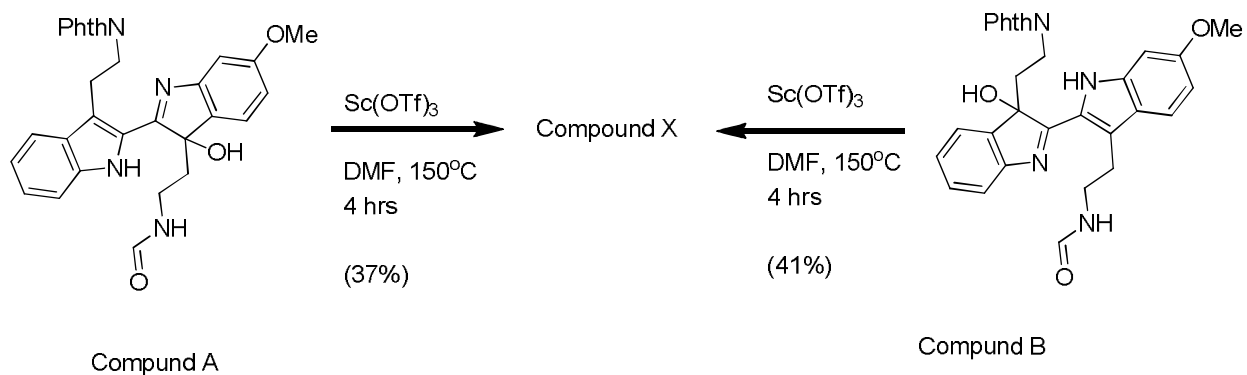


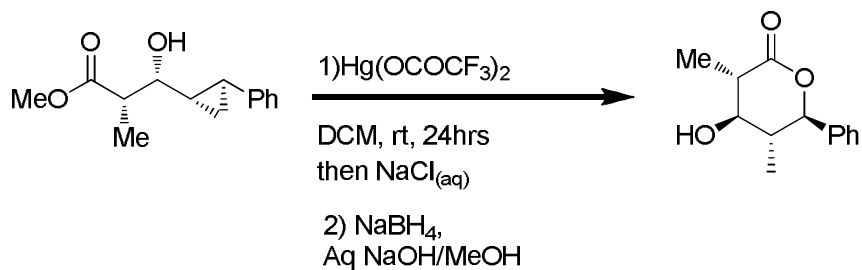
June 22 Group Meeting Problems

1)



Recently some chemists in Texas got an unexpected rearrangement when they subjected A to Scandium Triflate. They got the same compound when subjecting B to the same conditions. Identify compound X and propose a mechanistic pathway from A (harder) and B (easy).

2)



Propose a mechanism for step 1 above. What is the purpose of step 2?