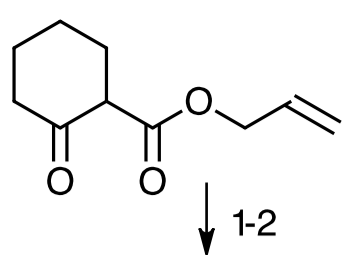
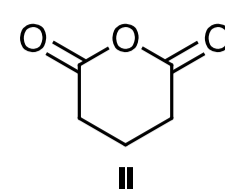
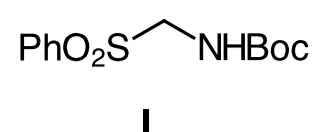


Synthesis Challenge #86
AG Wegner
4.6.2020



↓ 1-2 A

- 1) **I**, CsCO₃, CH₂Cl₂
- 2) **II**, B(OH)₃, xylenes, Dean-Stark, reflux



↓ 3-4

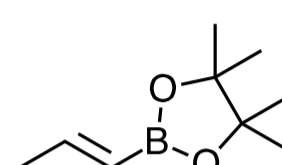
- 3) Pd₂(dba)₃ (2,5 mol%), (S)-(CF₃)₃-tBuPHOX (6 mol%), toluene
- 4) CH(OEt)₃, *p*-TsOH·H₂O (2 mol%), EtOH

↓ 5-6

- 5) LiEt₃BH, CH₂Cl₂, then EtOAc
- 6) BF₃·OEt₂, CH₂Cl₂, -78°C

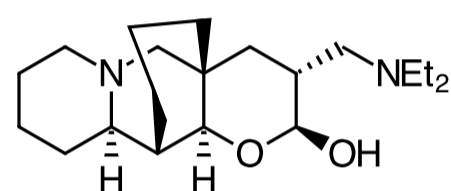
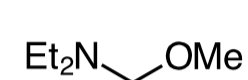
↓ 7-9

- 7) L-Selectride, THF, then LiAlH₄
- 8) **III**, Hoveyda-Grubbs II, THF
- 9) NaBO₃·4 H₂O, H₂O/THF



↓ 10

- 10) **IV**, 1.2/1 2N HCl/THF



Please, draw the product in a beautiful 3D drawing