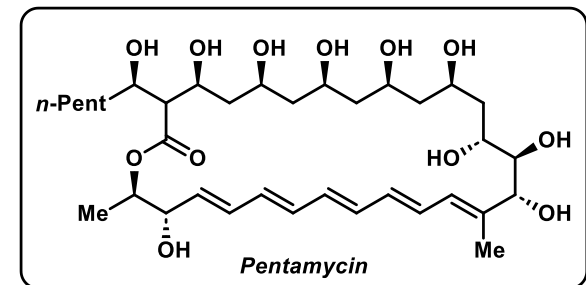
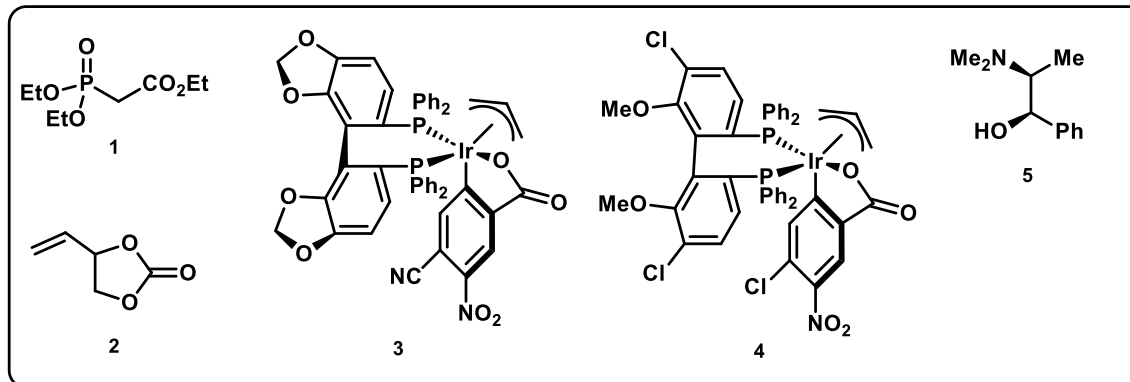
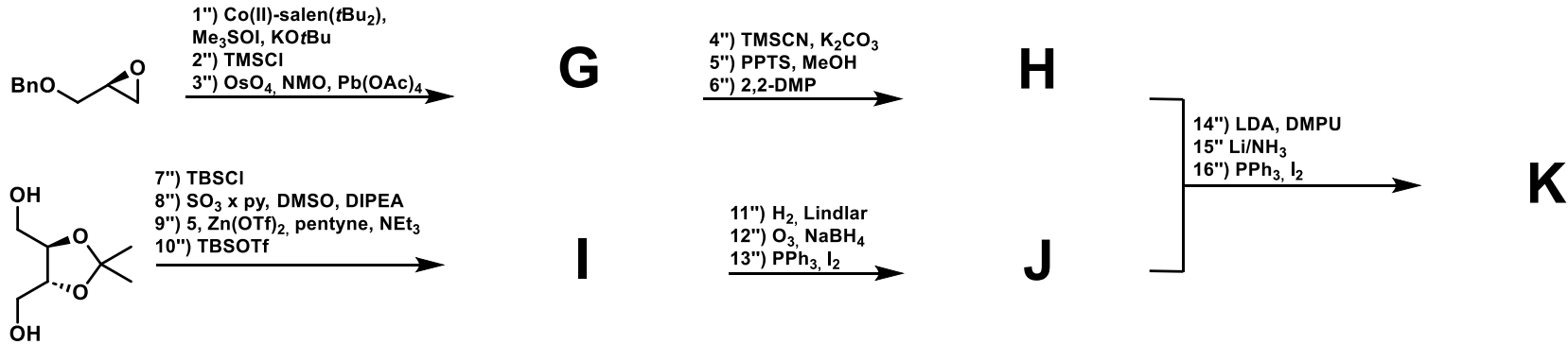
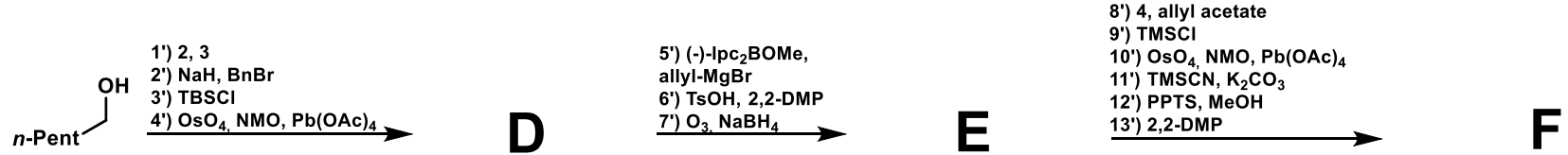
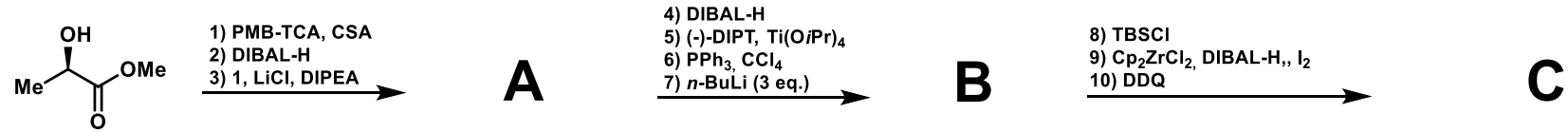
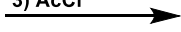


Total Synthesis of Pentamycin



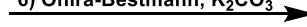
F + K

- 1) LDA, DMPU
- 2) Li/NH₃
- 3) AcCl



L

- 4) HF x py
- 5) SO₃ x Py, DMSO, DIPEA
- 6) Ohira-Bestmann, K₂CO₃

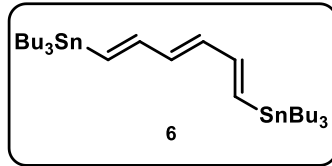


M

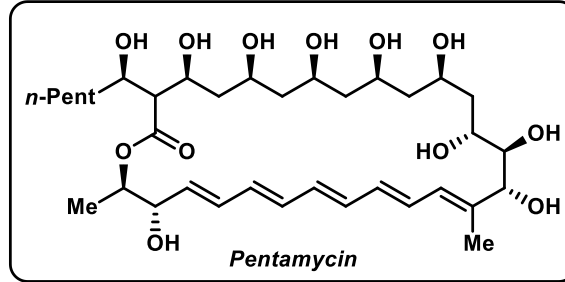
- 7) TESCl
- 8) CuCN, *n*BuLi, Bu₃SnH, then MeI, DMPU
- 9) I₂
- 10) HF x py
- 11) IBX
- 12) NaClO₂



N



How would you prepare compound 6?



- 13) TCBC, NEt₃
- 14) C, DMAP
- 15) TBAF
- 16) InCl₃
- 17) Pd(MeCN)₂Cl₂, DIPEA, 6

