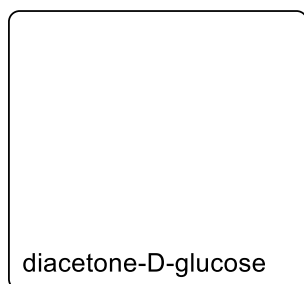
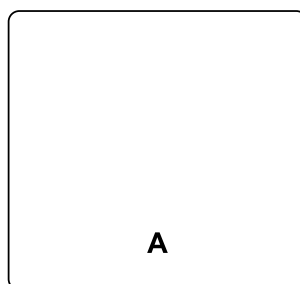


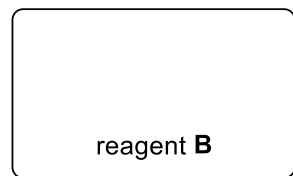
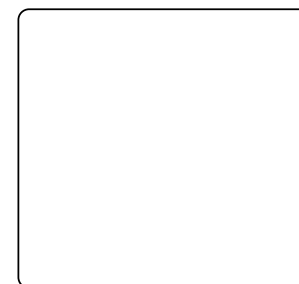
Total Synthesis of (E)-Ocellenyne and more...



- 1) Tf₂O, pyridine, DCM, rt, 1h
 - 2) TBABH₄, toluene, 80°C
 - 3) 75% AcOH
 - 4) PPh₃, DEAD, toluene, reflux
- step 4 - name?**

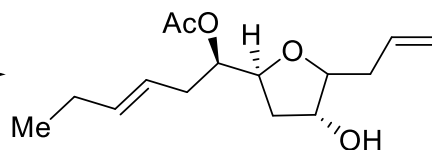


- 5) MgBr, THF, -20°C
 - 6) Ac₂O, DMAP, CH₂Cl₂, rt
 - 7) OsO₄ (cat.), NaIO₄, 2,6-lutidine, rt
- step 7 - name?**

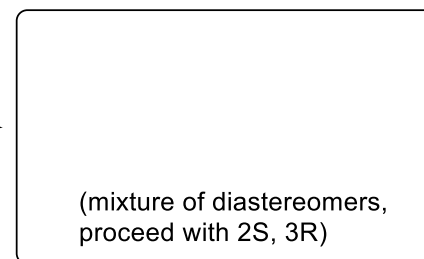


8) NaHMDS, THF, -78°C

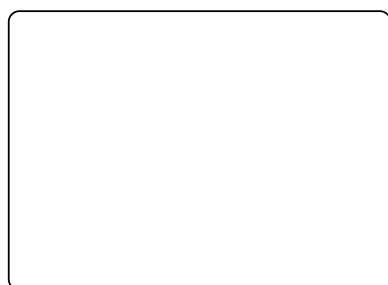
9) TMS
BF₃ • Et₂O, CH₂Cl₂, rt



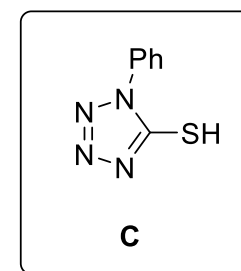
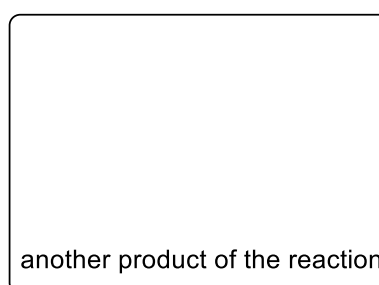
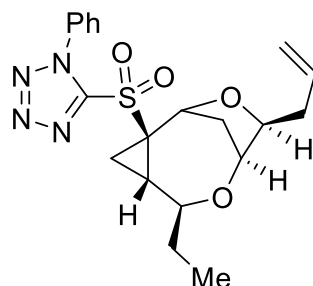
- 10) ?
- 11) K₂CO₃, MeOH, H₂O
- 12) NaH, DMF, rt
- 13) mCPBA, NaHCO₃, CH₂Cl₂
- 14) MgBr₂ • Et₂O, Et₂O
- 15) MsCl, Et₃N, CH₂Cl₂



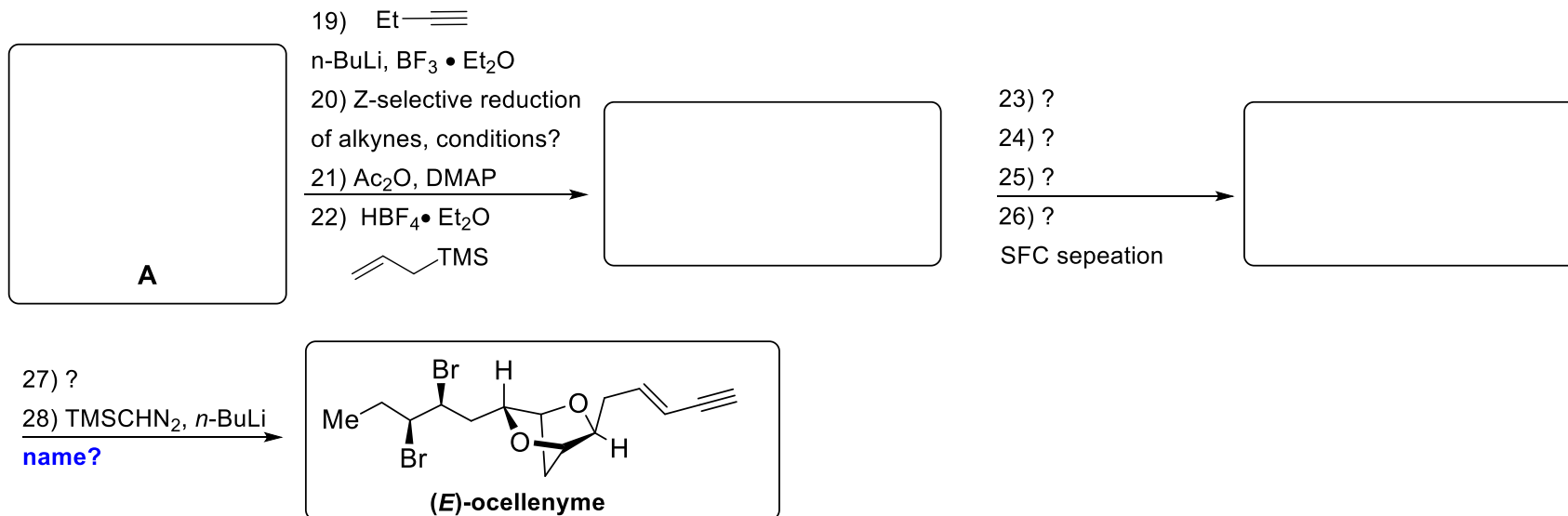
- 16) TiCl₄, AgAl(pfb)₄, CH₂Cl₂, -40°C, then **C** -78°C, 2h
 - 17) 30% aq. H₂O₂, Mo₇O₂₄(NH₄)₆ • 4H₂O
- step 16 mechanism?**



18) NaHMDS, THF, -78°C
mechanism?



Total Synthesis of (E)-Ocellenyne and more...



Bonus

