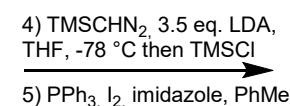
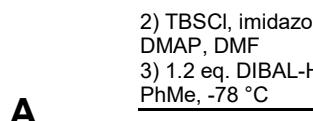
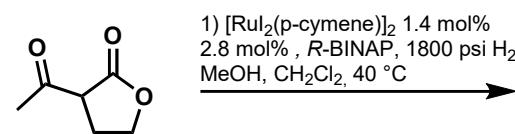
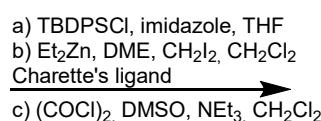
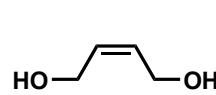


(-)-Pseudolaric Acid B

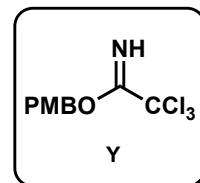
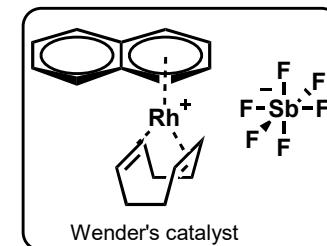
30.05.18



C



D



- 6.1) MePPPh_3Br , PhLi , LiBr , THF
6.2) C, 0 °C; then PhLi , LiBr
6.3) D, -78 °C; then PhLi , LiBr
warm up to r.t.
6.4) 1.2 eq. HCl , -78 °C; then
1.3 eq. KOtBu , warm up to r.t.
7) K_2CO_3 , MeOH

E

- 8) 11 mol % Wender's cat.,
DCE
- Provide a mechanism for
this transformation!

F

- 9) 6 eq. TBAF, MS 3A,
 THF

G

- 10) TESCl , imidazole,
DMAP, DMF
11) mCPBA , NaHCO_3 ,
 CH_2Cl_2 , -20 °C
12) 7 eq. LDA, THF , 0 °C

H

- 13) DDQ, pH 7 buffer
 CH_2Cl_2
14) MnO_2 , KCN , AcOH ,
 MeOH

I

- 15) TBAF, AcOH , THF
16) CDI, THF
17) Ph_2Se_2 , NaBH_4 , DMF
18) Y, 2 mol% $\text{Sc}(\text{OTf})_3$,
 PhMe , 0 °C

J

- 19) Bu_3SnH , ACHN ,
 PhH , 70 °C then DBU

K

- 20) KOTMS , PhMe , 120 °C;
then Me_2SO_4 , buffer, 100 °C
21) DMP, NaHCO_3 , CH_2Cl_2
22) DDQ, pH 7 buffer, CH_2Cl_2

