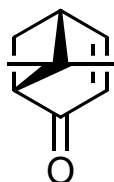


# Synthesis Challenge # 58

AG Wegner

02.02.2017



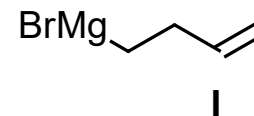
A



- 1) **I**, CuI, THF, -30°C  
2) LDA, Then PhNTf<sub>2</sub>  
3) [Pd], CO, MeOH

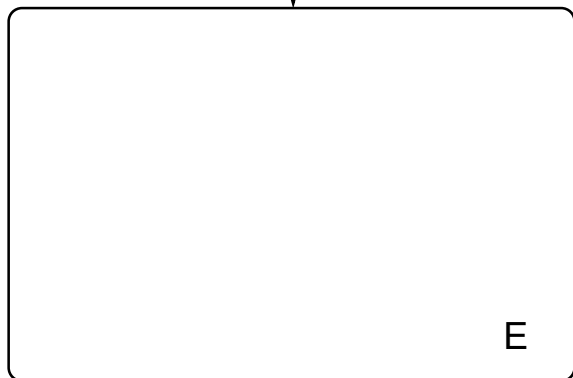
- 4) 9-BBN, then H<sub>2</sub>O<sub>2</sub>  
5) Swern-Oxidation

- 6) cat. ACCN, (TMS)<sub>2</sub>SiH,  
toluene, 100°C



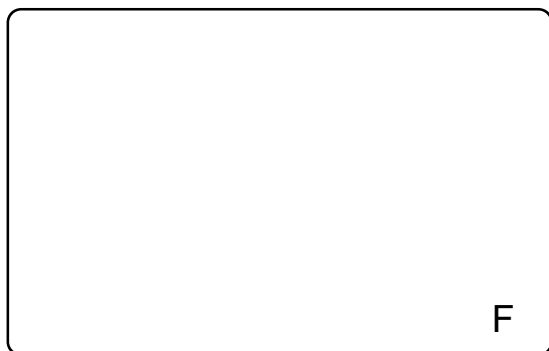
ACCN = 1,1'-azobis(cyclohexyl)-  
carbonitrile

7-9



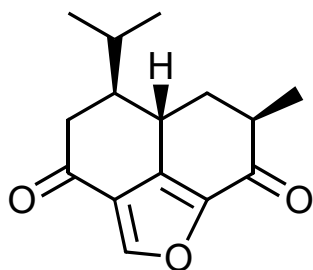
- 7)  $\text{LiAlH}_4$
- 8) TBSCl, TEA
- 9) *m*CPBA

10-11



- 10) DMP,  $\text{CH}_2\text{Cl}_2$ , then TsOH
- 11) Swern Oxidation

12-14



- 12) NBS, AIBN
- 13) Swern Oxidation
- 14) LiHMDS, THF,  $-78^\circ\text{C}$ , then MeI