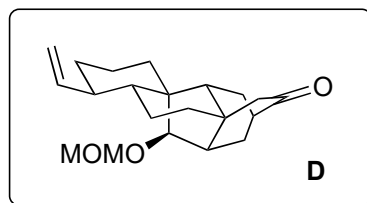
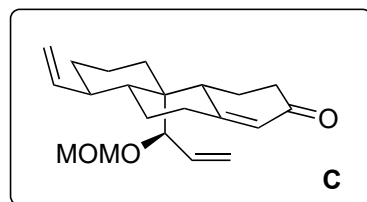
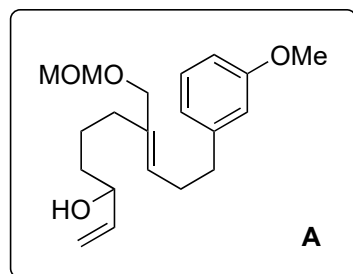
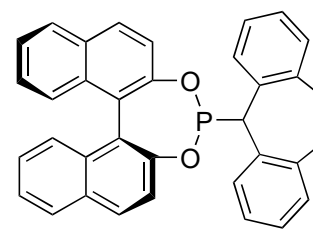


Total Synthesis of Septedine

Shupeng Zhou, Rui Guo, Peng Yang, Ang Li
J. Am. Chem. Soc. **2018**, ASAP.

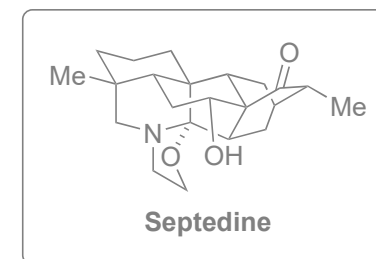


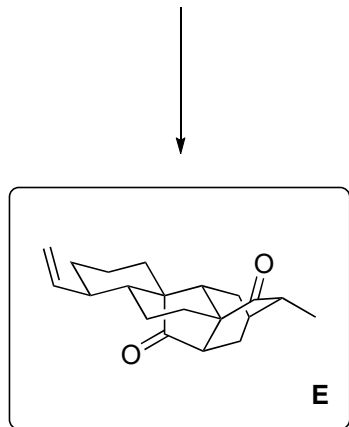
- 1) $[\text{Ir}(\text{cod})\text{Cl}]_2$, (S)-**B**, $\text{Zn}(\text{OTf})_2$
- 2) Na/NH_3
- 3) PPTS
- 4) PPTS ethylene glycol
- 5) TPAP, NMO
- 6) vinyl lithium *then*: MOMCl
- 7) HCl (aq.)



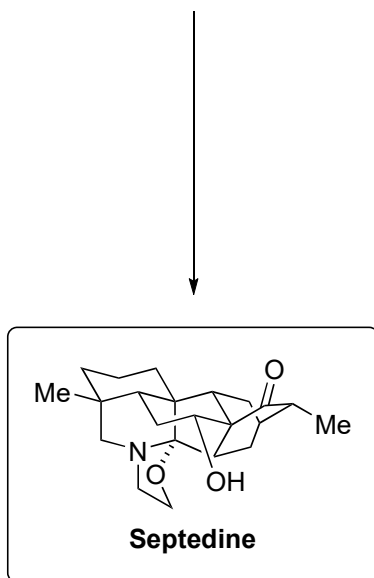
(S)-**B**

- 8) LiHMDS





- 9) HCl (aq.)
- 10) DMP
- 11) $\text{Ph}_3\text{P}=\text{CH}_2$
- 12) SeO_2 , *t*-BuOOH
- 13) Crabtree cat.



- 14) $\text{NH}_2\text{OMe HCl}$, pyridine
- 15) *m*-CPBA
- 16) $\text{Pd}(\text{OAc})_2$, $\text{PhI}(\text{OAc})_2$
- 17) H_5IO_6
- 18) *t*-BuOK, MeI
- 19) HClO_4 (aq.)
- 20) **F**, NaBH_4 , neat

