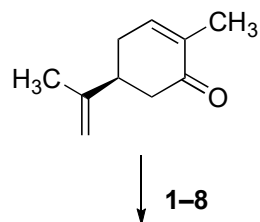
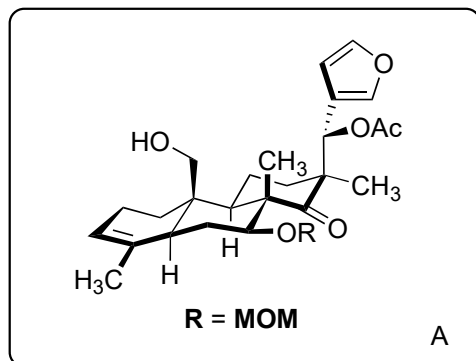


Total Synthesis of (-)-Deoxylimonin

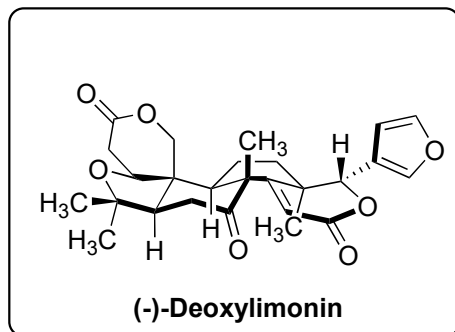
Leanna M. Gharbaoui, Jungmin Eun, Yizhou Zhao, and Timothy R. Newhouse, *J. Am. Chem. Soc.* 2026, XXX



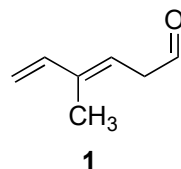
1-8



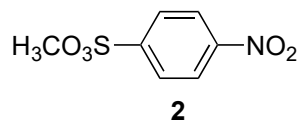
9-18



- 1) NaClO, KH_2PO_4 then NaHCO_3
- 2) TESCOI, py
- 3) LDA, MeI
- 4) LDA, **1**
- 5) MOMBr, $(i\text{Pr})_2\text{NEt}$
- 6) L-Selectride then ZnBr_2 and 3-furaldehyde
- 7) Ac_2O , DMAP, py then PCC
- 8) Δ then NaBH_4 , $\text{CeCl}_3 \cdot 7\text{H}_2\text{O}$



- 9) TBSOTf, py
- 10) LiHMDS then SOCl_2
- 11) $\text{K}_2\text{Os}(\text{OH})_4$ then NaIO_4
- 12) $\text{HC}(\text{OMe})_3$
- 13) LiHMDS, $\text{Ph}_3\text{P}=\text{CH}_2$
- 14) TBAF, *p*-TsOH
- 15) PCC
- 16) LiHMDS, PhSeBr then H_2O_2
- 17) **2**, $\text{Fe}(\text{acac})_3$, PhSiH_3



- 18) H_2SO_4 , CrO_3

