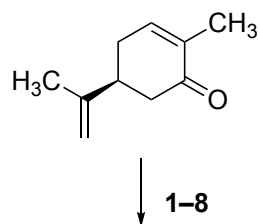
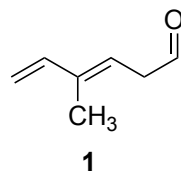


Total Synthesis of (-)-Deoxylimonin

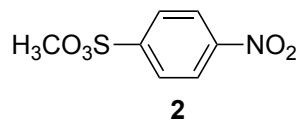
Leanna M. Gharbaoui, Jungmin Eun, Yizhou Zhao, and Timothy R. Newhouse, *J. Am. Chem. Soc.* 2026, XXX



- 1) NaClO, KH₂PO₄ then NaHCO₃
- 2) TESCl, py
- 3) LDA, MeI
- 4) LDA, **1**
- 5) MOMBr, (iPr)₂NEt
- 6) L-Selectride then ZnBr₂ and 3-furaldehyde
- 7) Ac₂O, DMAP, py then PCC
- 8) Δ then NaBH₄, CeCl₃·7H₂O



- 9) TBSOTf, py
- 10) LiHMDS then SOCl₂
- 11) K₂Os(OH)₄ then NaIO₄
- 12) HC(OMe)₃
- 13) LiHMDS, Ph₃P=CH₂
- 14) TBAF, *p*-TsOH
- 15) PCC
- 16) LiHMDS, PhSeBr then H₂O₂
- 17) **2**, Fe(acac)₃, PhSiH₃



- 18) H₂SO₄, CrO₃

