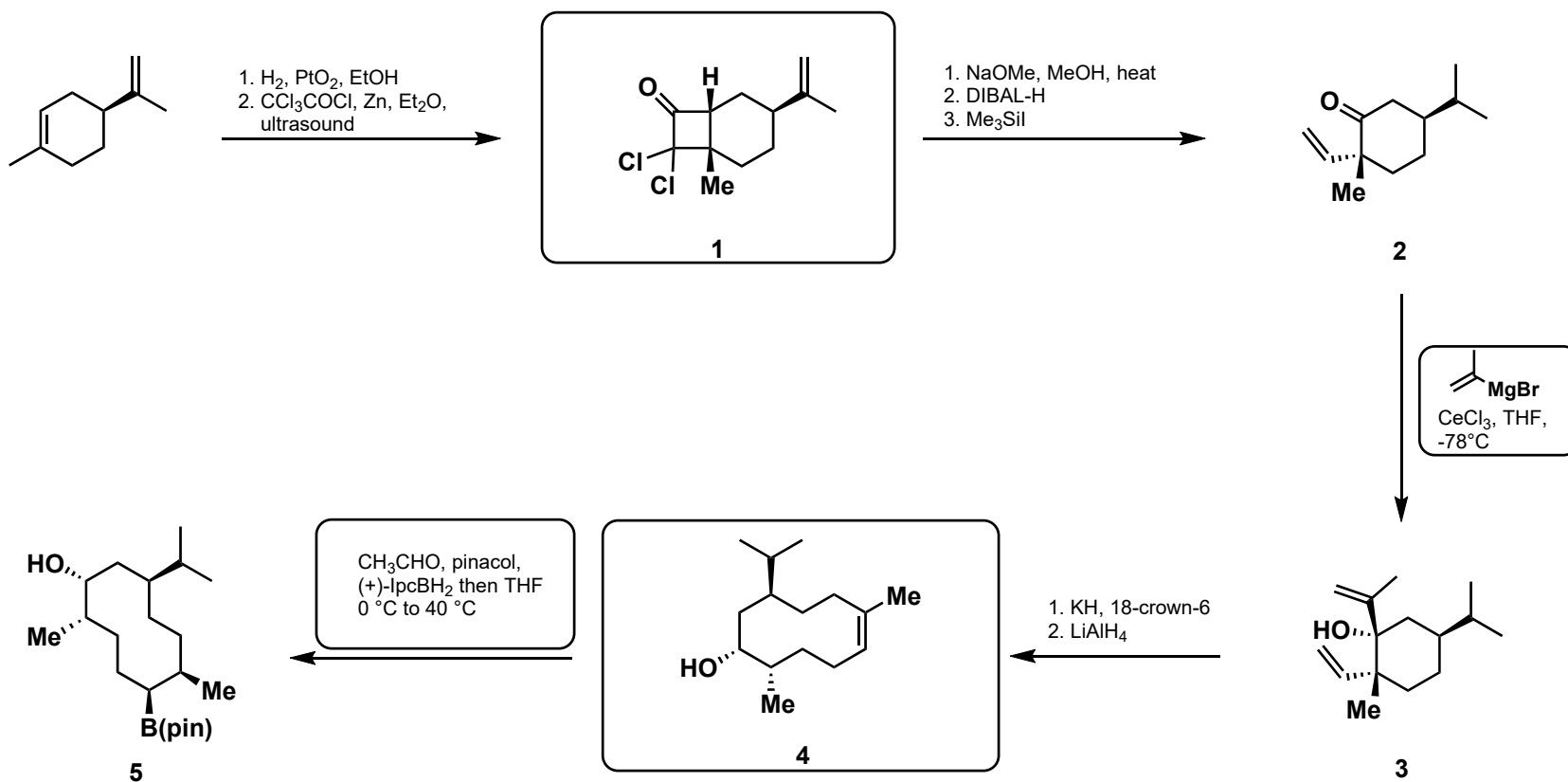
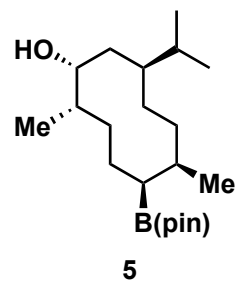


# Scalable Total Synthesis of (–)-Vinigrol

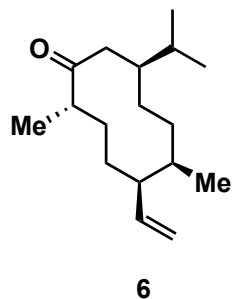
Xuerong Yu, Lianghong Xiao, Zechun Wang, Tuoping Luo,

*J. Am. Chem. Soc.* **2019**, *141*, 3440–13443.

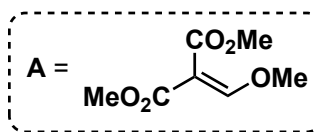
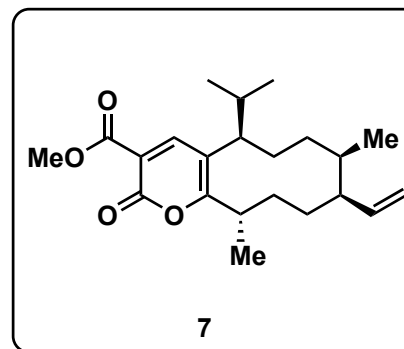




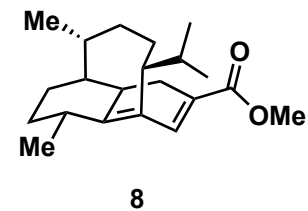
1.  $\text{CH}_2=\text{CHLi}$  then  $\text{I}_2$   
 2. DMP, pyridine, DCM



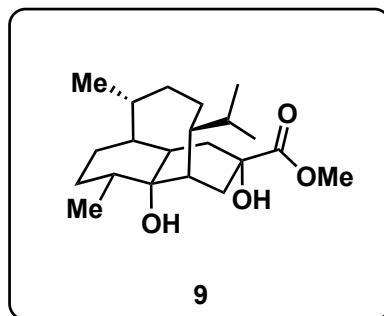
1. LDA, **A**  
 2. DBU, 40°C



1) DBU, 100°C  
 2) *o*-DCB, mW,  
 200 °C



1.  $^1\text{O}_2$ , 0 °C  
 2.  $\text{H}_2$ , Pd/C, MeOH



1. Burgess reagent  
 2. DIBAL-H  
 3.  $^1\text{O}_2$ , then  $\text{PMe}_3$

