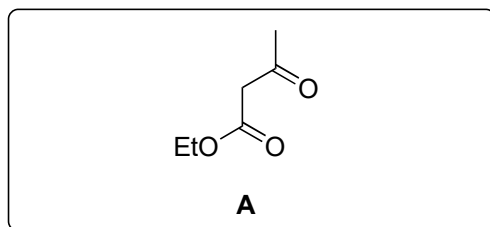
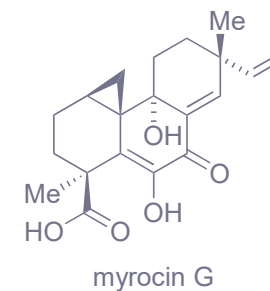


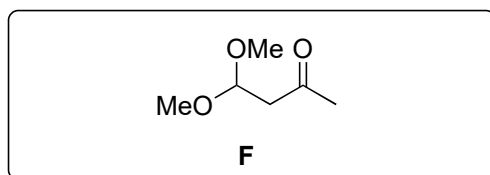
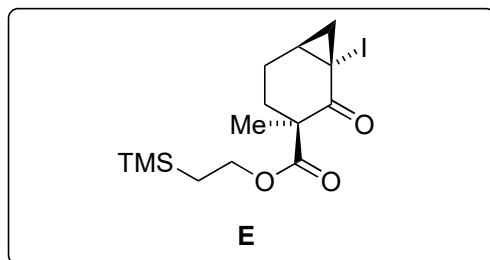
Synthesis of Myrocin G

Christos Economou, Martin Tomanik, and Seth B. Herzon

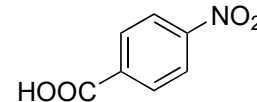
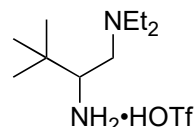
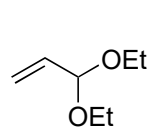
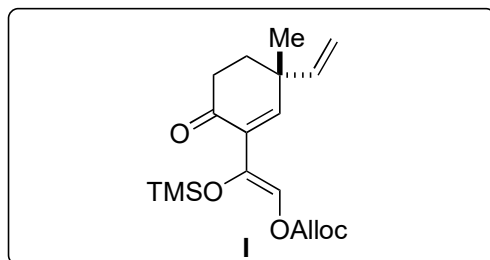
J. Am. Chem. Soc. **2018**, *140*, 16058



1'-5'

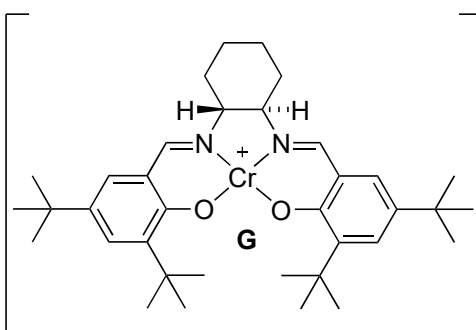


1-12

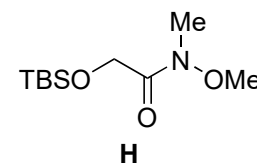


- 1') 2-(trimethylsilyl)ethan-1-ol, heat
- 2') MeI, K₂CO₃
- 3') B, C, D
- 4') I₂, pyridine
- 5') Me₃SOI, NaH

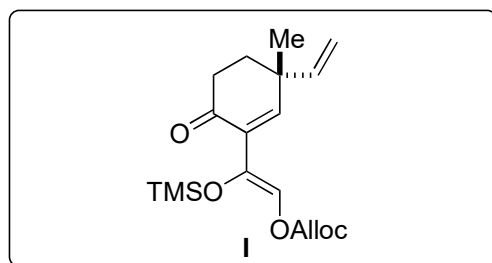
5) Namereaction? Corey-Chaykovsky



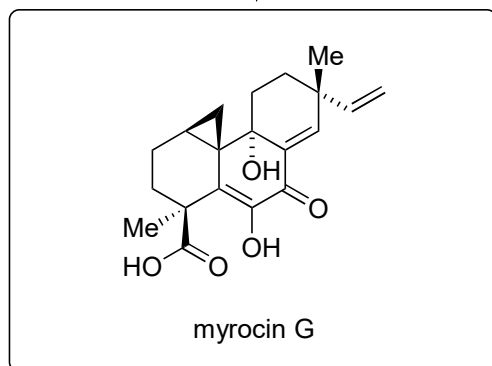
SbF₆⁻



- 1) BnNHCO₂Me, PTSA
- 2) TBSOTf, NEt₃
- 3) methacrylaldehyde, **G**, 4ÅMS
- 4) KHMDS, Ph₃PCH₃Br
- 5) HCl
- 6) I₂, pyridine
- 7) (HOCH₂)₂, PTSA, (EtO)₃CH
- 8) *n*-BuLi, **H**
- 9) TBAF
- 10) AllocCl, pyridine
- 11) HCl
- 12) LiHMDS, TMSCl



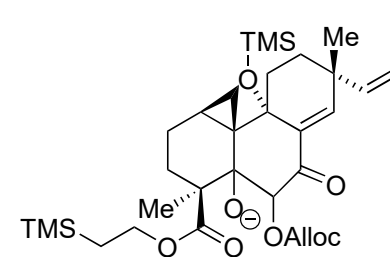
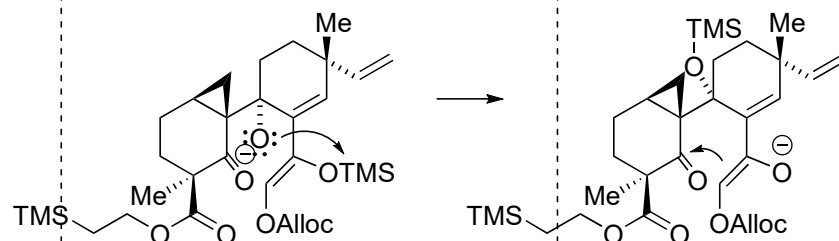
13–14



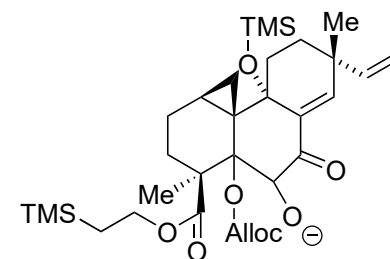
13) **E**, *n*-BuLi
14) TBAF

13) Propose a mechanism

Hint: **E** was mixed with *n*-BuLi before **I** was added



↓ carbonat-shift



← -OAlloc⁻

