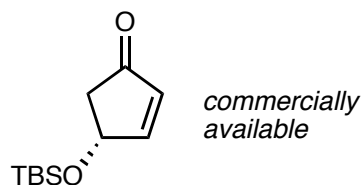


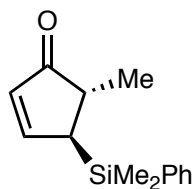
Molecule of the Month

John and Adam

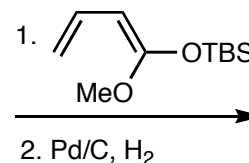
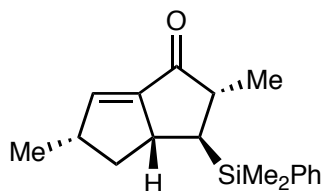
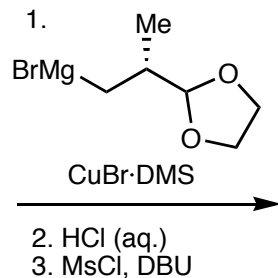


JACS, **2006**, *128*, 3118

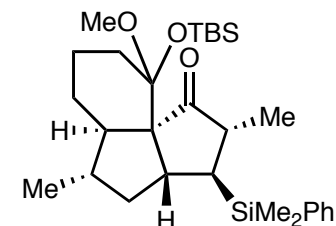
1. PhMe₂SiLi, CuCN, TMSCl, then MeI
2. HF/ACN (aq.)
3. Tf₂O, DBU



- Grignard:
Bull. Chem. Soc. Jpn., **1989**, *62*, 2618
TL, **1986**, *27*, 1815



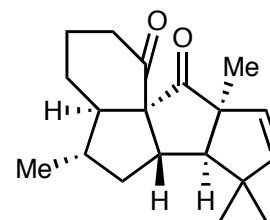
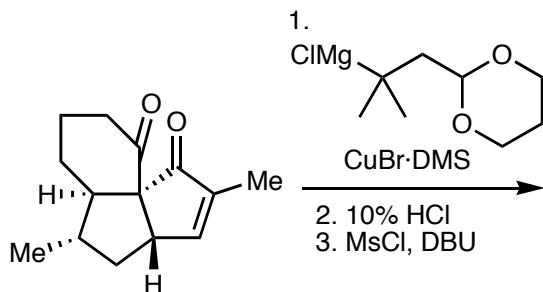
2. Pd/C, H₂



annulation: JCS Chem Comm, **1990**, 1324
silane to direct: TL, **1994**, *50*, 655
silane stability to H⁺: TL, **2004**, *45*, 2403

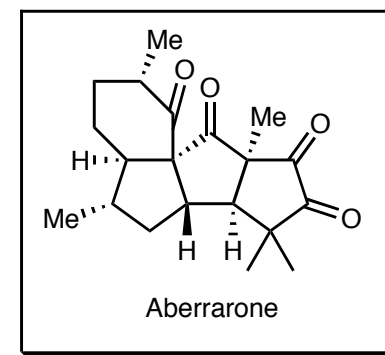
diene in D-A: JOC, **1987**, *52*, 1273
diene (no -OMe) in cyclic quat cntr formation:
JACS, **2007**, *129*, 10078
D-A on exo-cyclopentenone: ACIE, **2002**, *41*, 4125

- a. TMSOTf, NEt₃
 - b. NBS
 - c. TBAF, AcOH
- JACS, **2006**, *128*, 3118

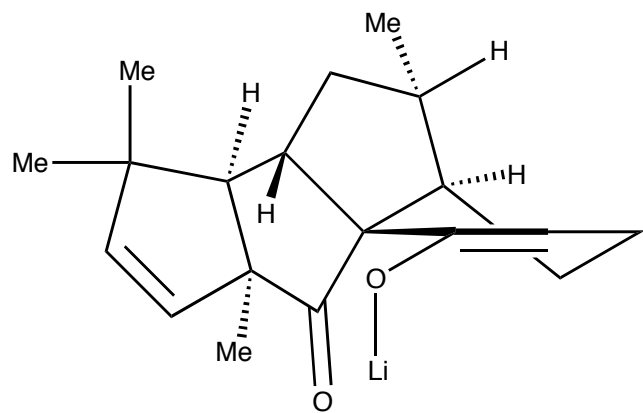


1. LDA, MeI
2. OsO₄, NMO
3. TEMPO, PhICl₂, pyr

oxidation:
Synthesis, **2007**, 551



cuprate add'n: TL, **1994**, *50*, 655
Grignard: Bull. Chem. Soc. Jpn., **1988**, *61*, 3377
annulation: TL, **1989**, *27*, 3529



vs.

