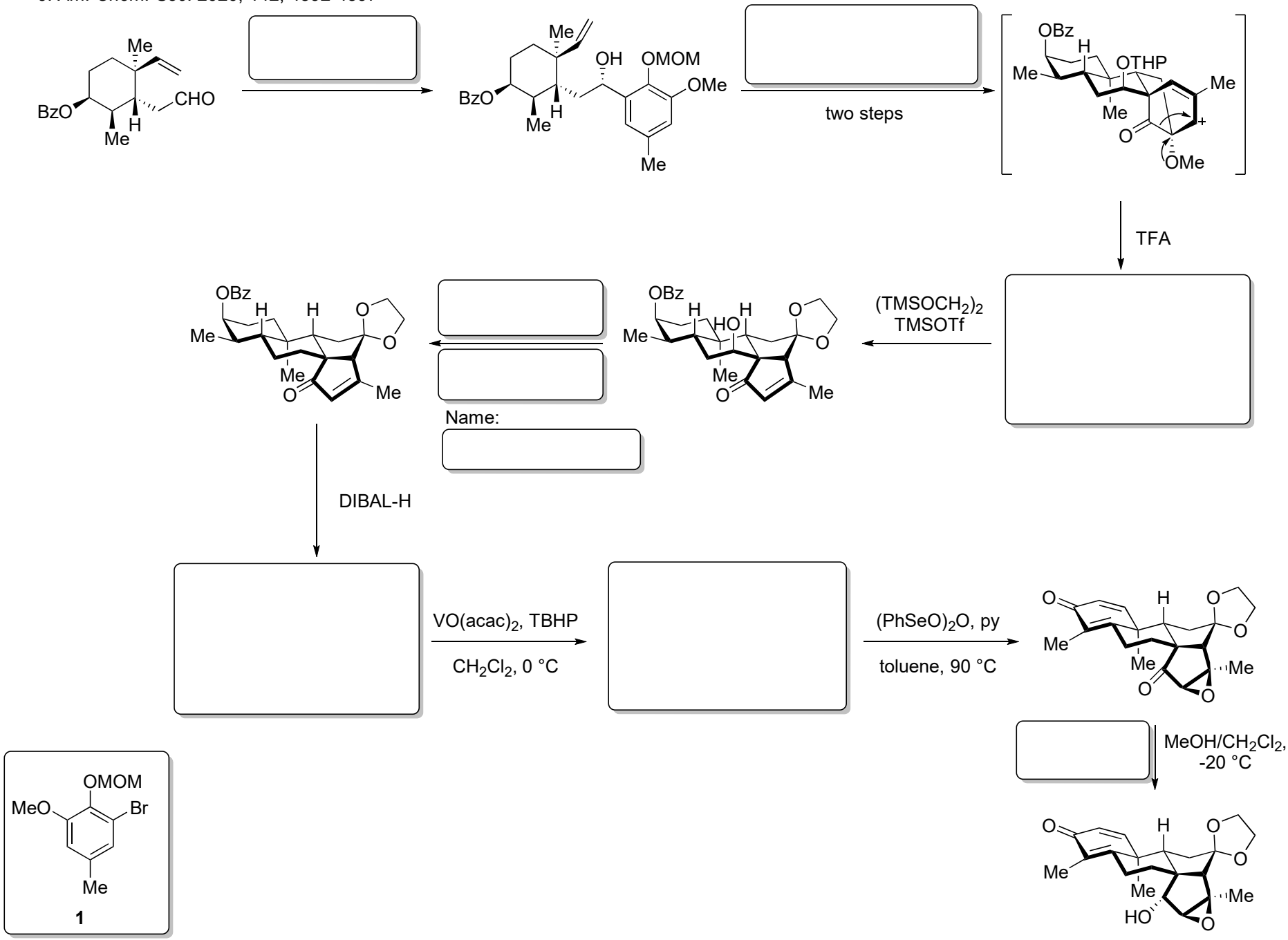
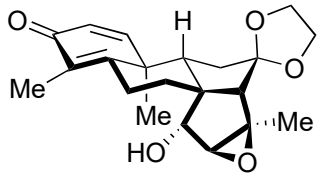
J. Am. Chem. Soc. 2020, 142, 4592-4597



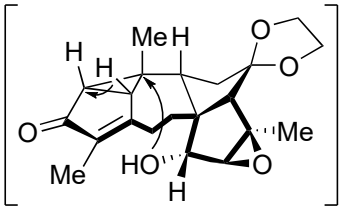


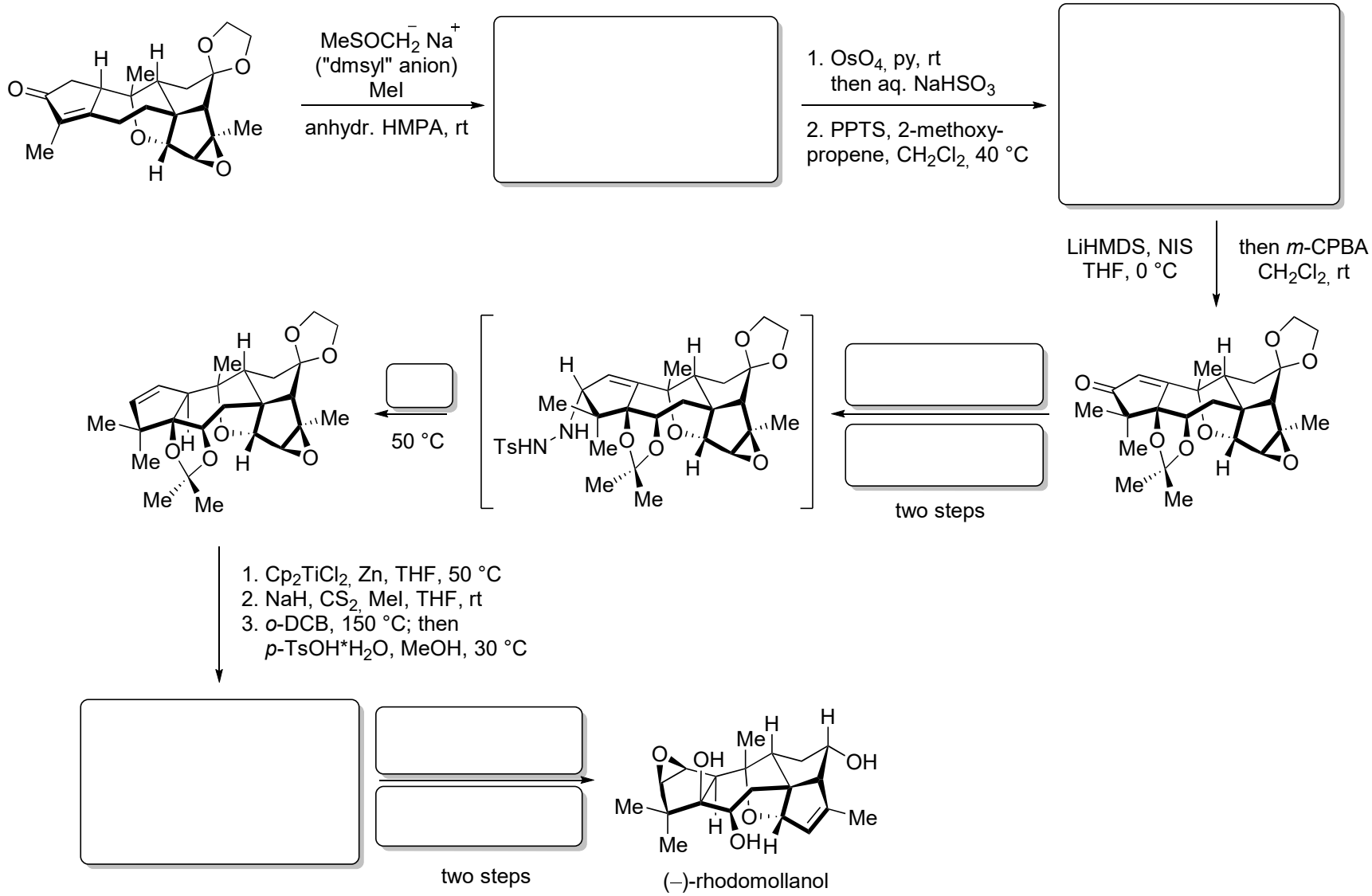
$h\nu$ (254 nm)

AcOH, 18 °C

Name:

- AcOH




MeSOCH2 Na+
("dmsyl" anion)
MeI
anhydr. HMPA, rt
1. OsO4, py, rt
then aq. NaHSO3
2. PPTS, 2-methoxy-
propene, CH2Cl2, 40 °C
LiHMDS, NIS
THF, 0 °C
then m-CPBA
CH2Cl2, rt
two steps
50 °C
1. Cp2TiCl2, Zn, THF, 50 °C
2. NaH, CS2, MeI, THF, rt
3. o-DCB, 150 °C; then
p-TsOH*H2O, MeOH, 30 °C
two steps
(–)-rhodomollanol