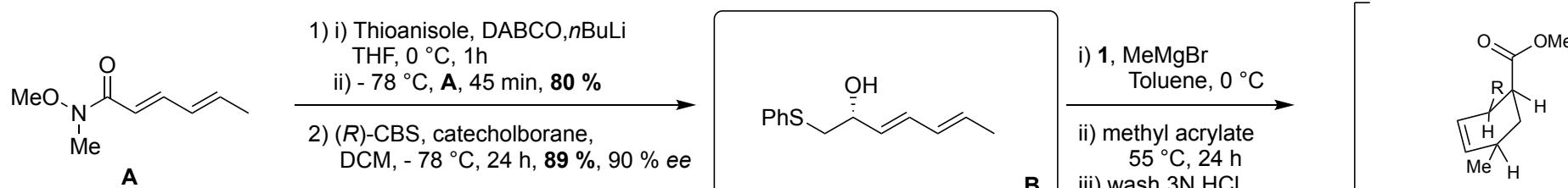




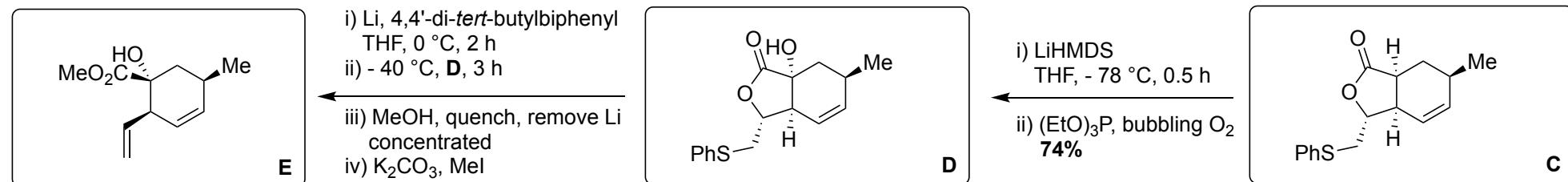
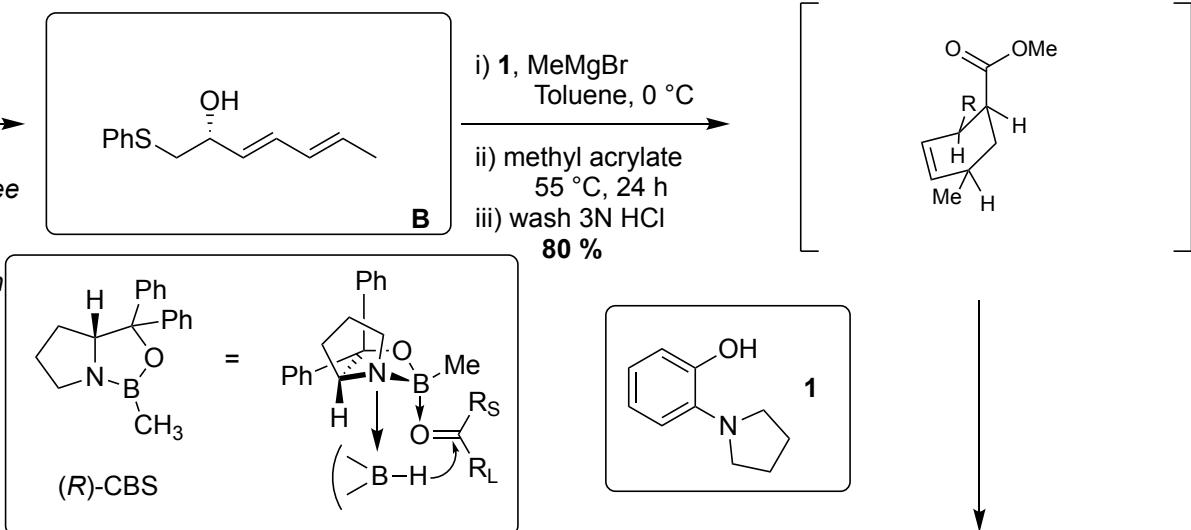
K. C. Nicolaou and Scott. T. Harrison, *Angew. Chem. Int. Ed.* **2006**, *45*, 3256-3260.



*Which type of compound is A ?
Weinreb amide*

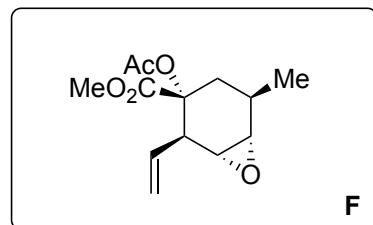
Name of the second reaction ?
Corey-Bakshi-Shibata reduction

*draw the approach
of the ketone with CBS*



1) VO(OEt)₃
*t*BuOOH
DCM, rt, 3 h
90 %

2) Ac₂O, DMAP
Et₃N, rt, 3 h
93 %

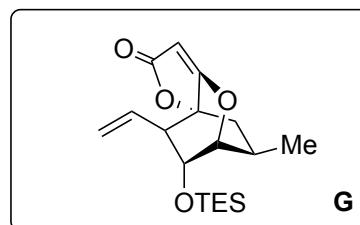


Name ? Dieckmann cyclisation

1) i) LiHMDS, THF, - 78 °C to rt
 ii) sat. aq. NH₄Cl, reflux, 2 h

2) TESCl, imid., DMAP
DME rt 2 h

97 % (two steps)





University of
Zurich

Total Synthesis of Abyssomicin C and atrop-Abyssomicin C

K. C. Nicolaou and Scott. T. Harrison, *Angew. Chem. Int. Ed.* 2006, 45, 3256-3260.

Gademann Group
Antoine Versini
31/08/2021

