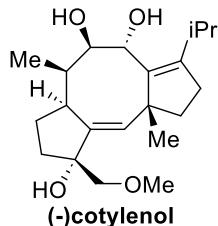


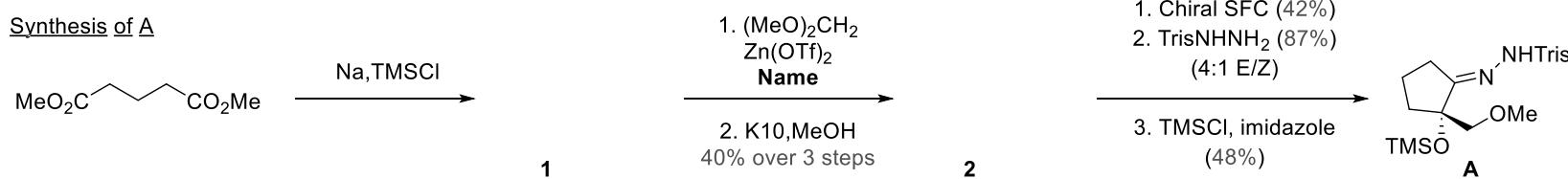
Synthesis of (-)-Cotylenol, a 14-3-3 Molecular Glue Component, Ryan A. Shenvi

J. Am. Chem. Soc. 2023, 145, 37, 20634–20645

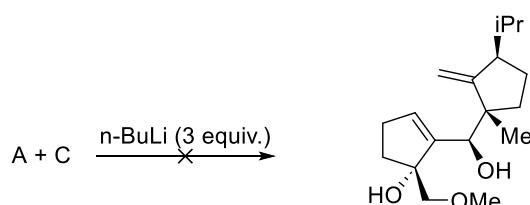
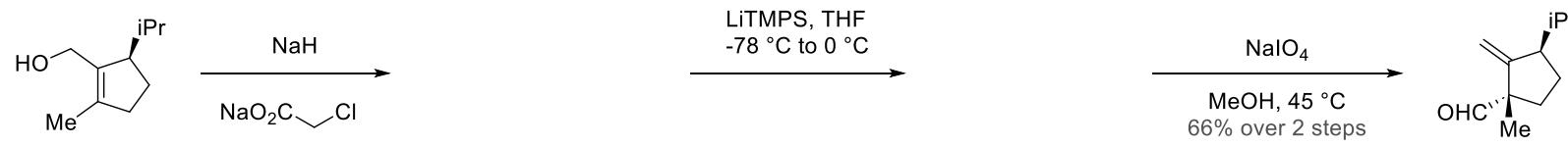


- Molecular glue between 14-3-3 proteins and phosphoprotein clients
- Potential anti cancer drugs
- producer organism Cladosporium species has lost the ability to proliferate in culture

Synthesis of A



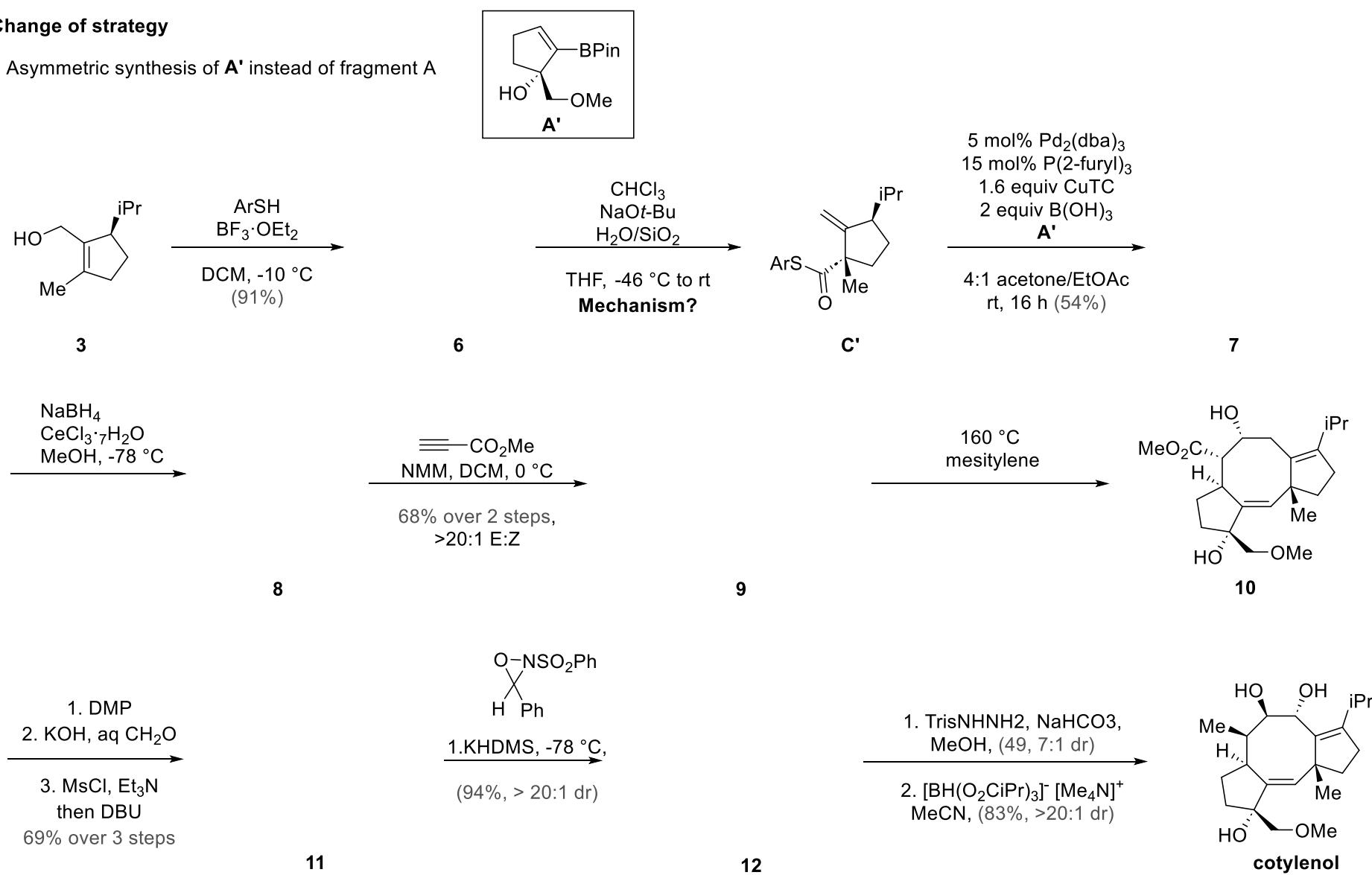
Synthesis of C



What's the name reaction of the intempted reaction?
Rearrangement occurs when A is protected with TMS, mechanism?

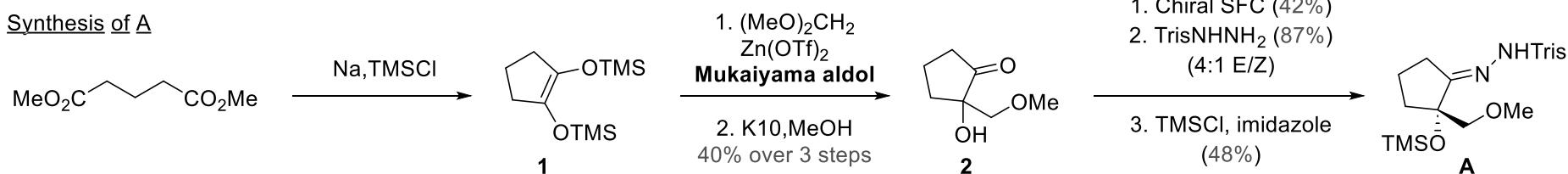
Change of strategy

Asymmetric synthesis of **A'** instead of fragment A

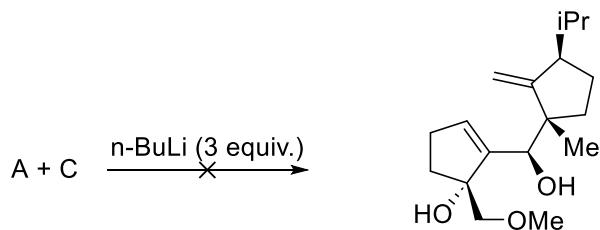
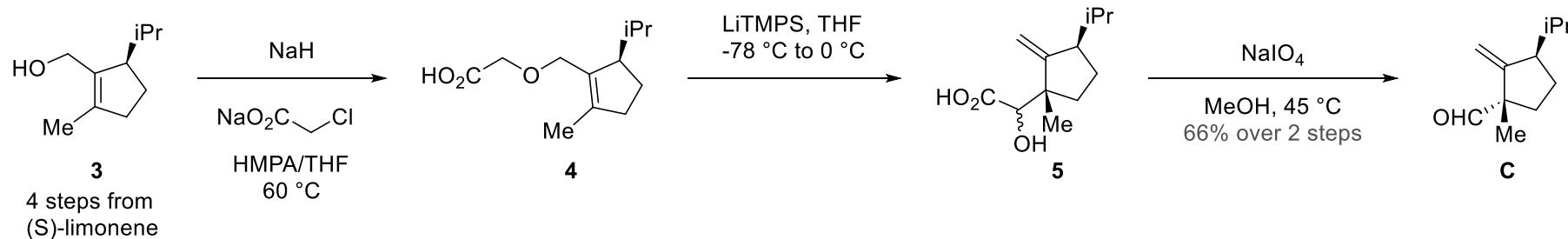


Solutions

Synthesis of A



Synthesis of C



What's the name reaction of the interrupted reaction? **Shapiro**
 Rearrangement occurs when **A** is protected with TMS, mechanism?
Retro [1,4] Brook

Change of strategy

Also referees noted the limitations of using SFC, instead asymmetric synthesis of A'

