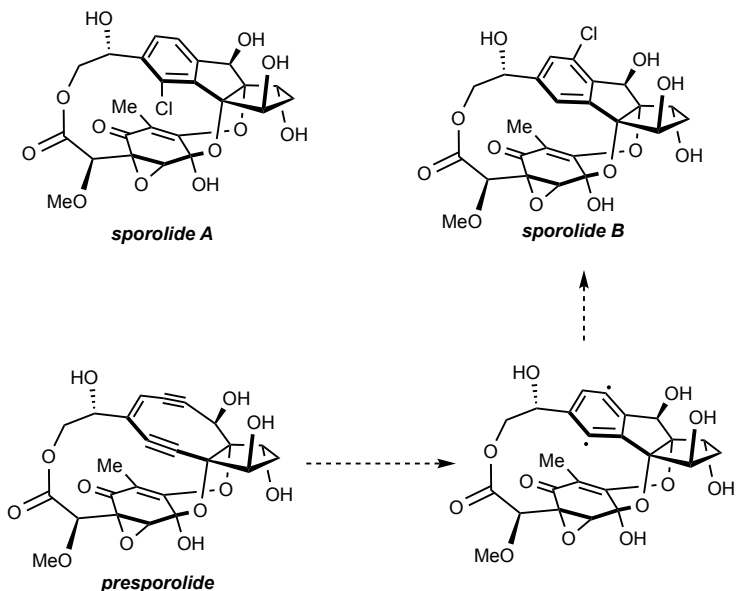
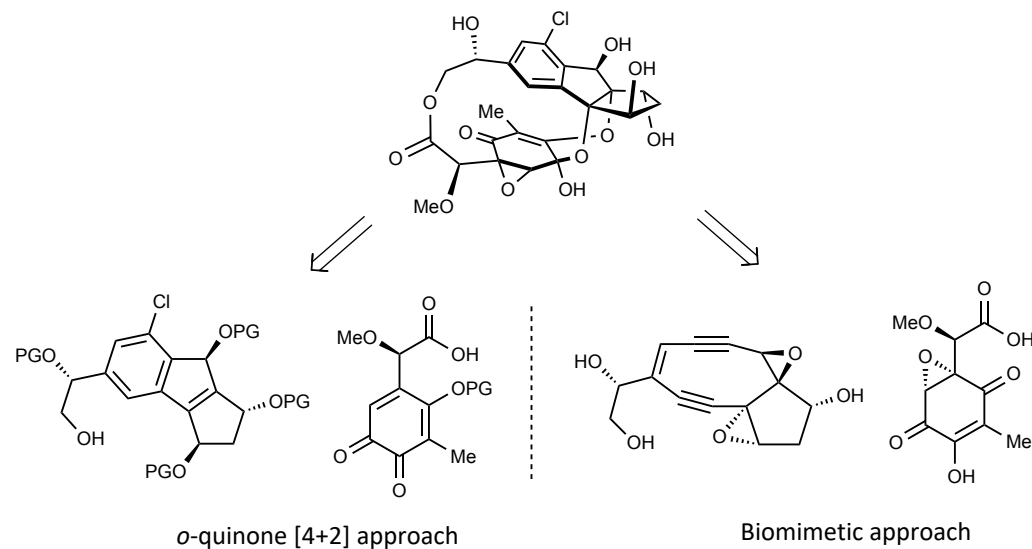


Proposed biosynthesis

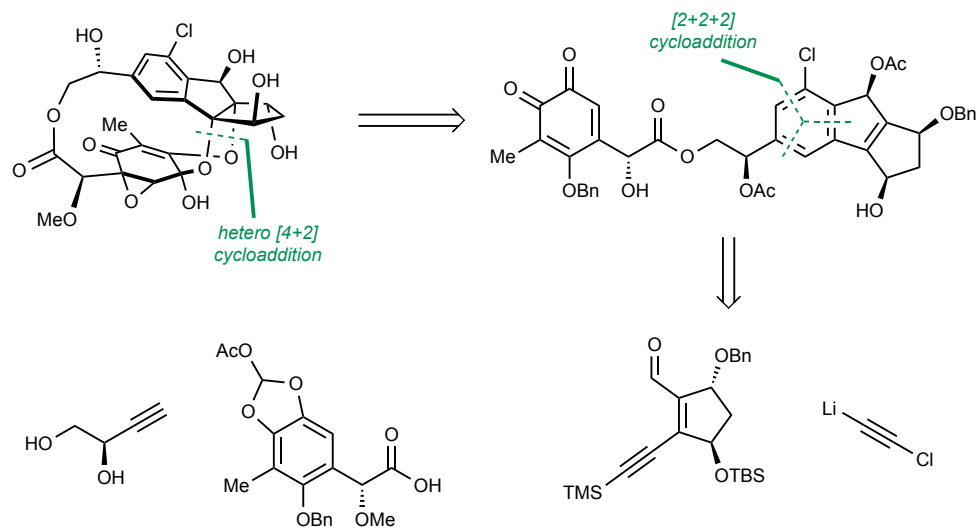


2 approaches to sporolides

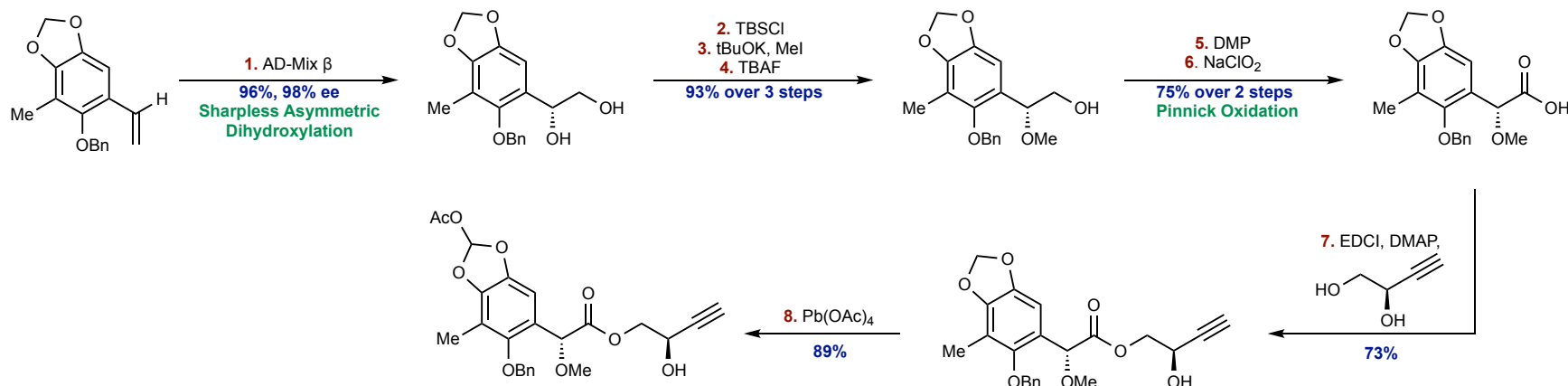
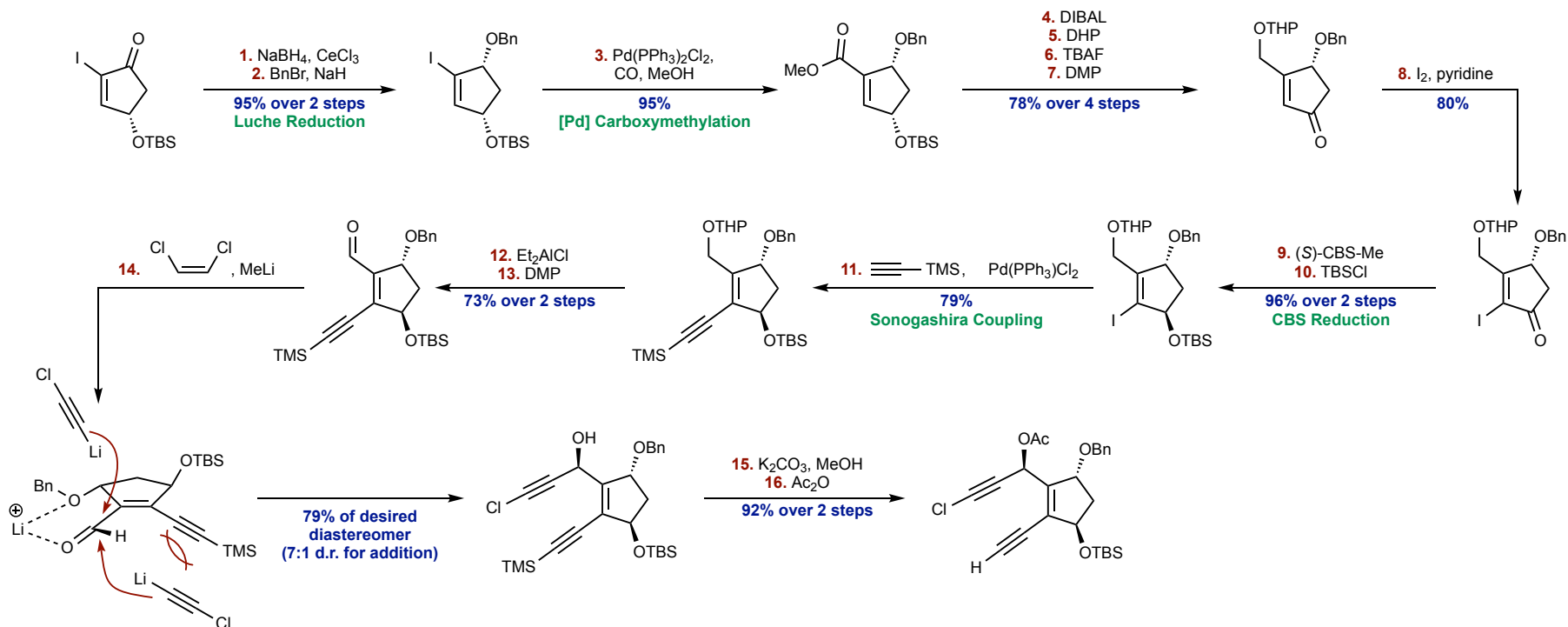


- Isolated from *Salinospora tropica* in 2005
- 7 rings, 10 stereocenters, highly oxidized structure
- Sporolide A and sporolide B differ only in chlorine atom location
 - Common biosynthetic precursor presporolide
- No other syntheses of either sporolide
 - Synthetic studies by Gademann (2010)
- No biological activity!

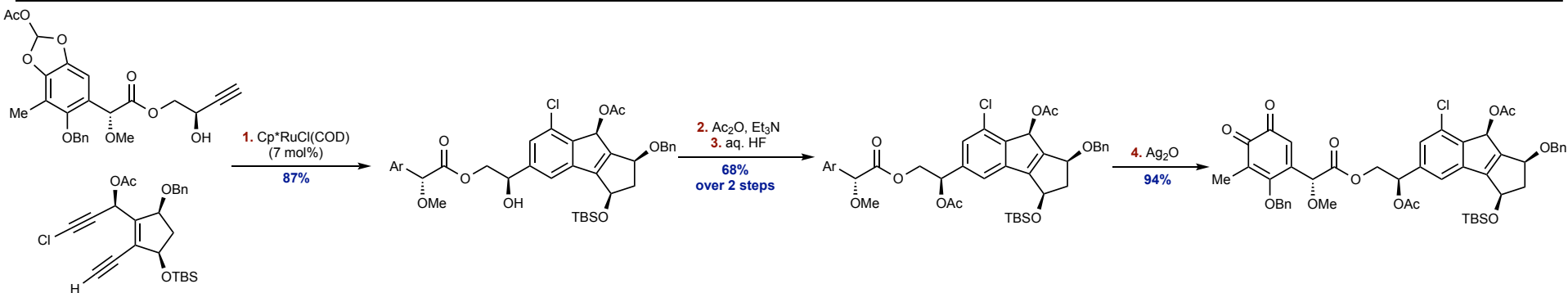
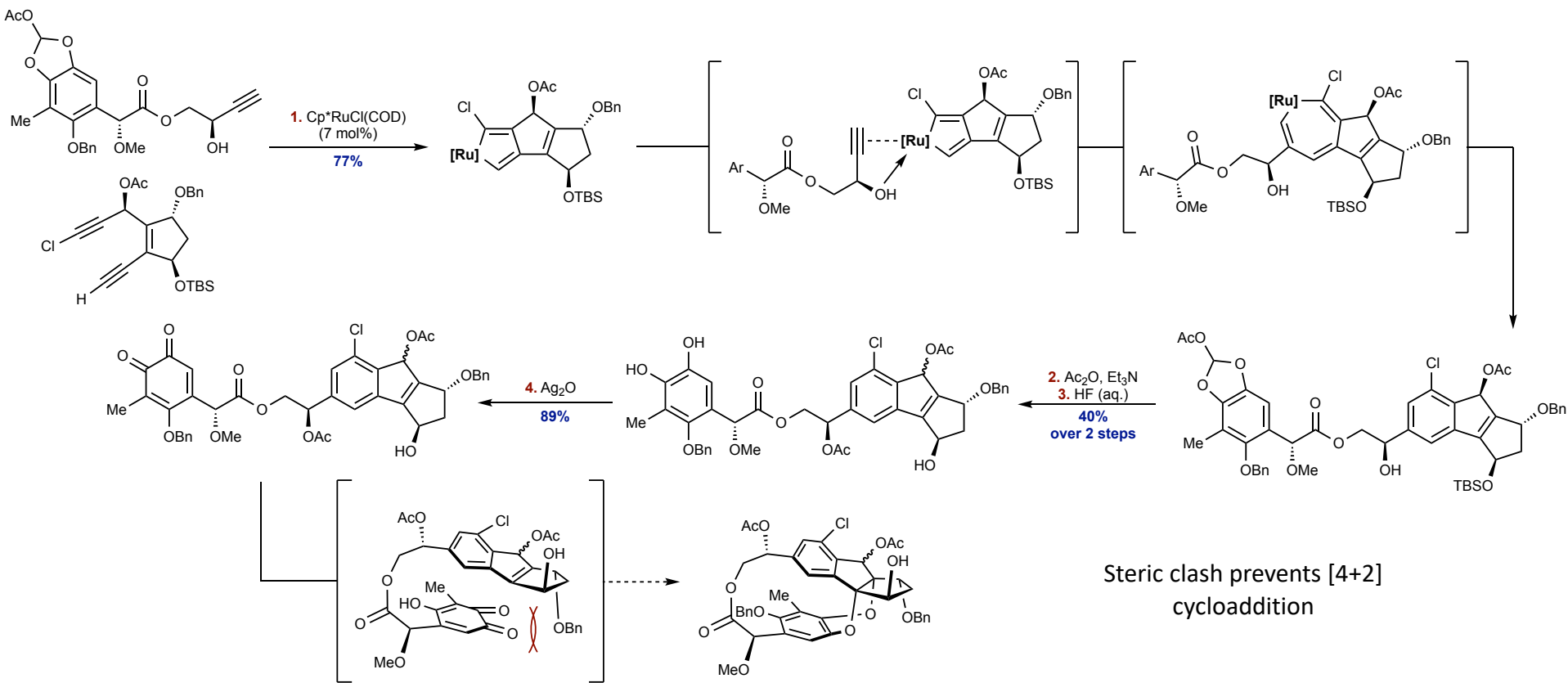
Org. Lett. **2005**, 7, 2731 <https://doi.org/10.1021/ol050901i>
 Synthesis, **2010**, 4, 631 <https://doi.org/10.1055/s-0029-1218608>
 ACIEE., **2009**, 48, 3449 <https://doi.org/10.1002/anie.200900264>
 JACS., **2010**, 132, 11350 <https://doi.org/10.1021/ja1048994>



Fragment synthesis



[Ru] 2+2+2



Completion of the synthesis

