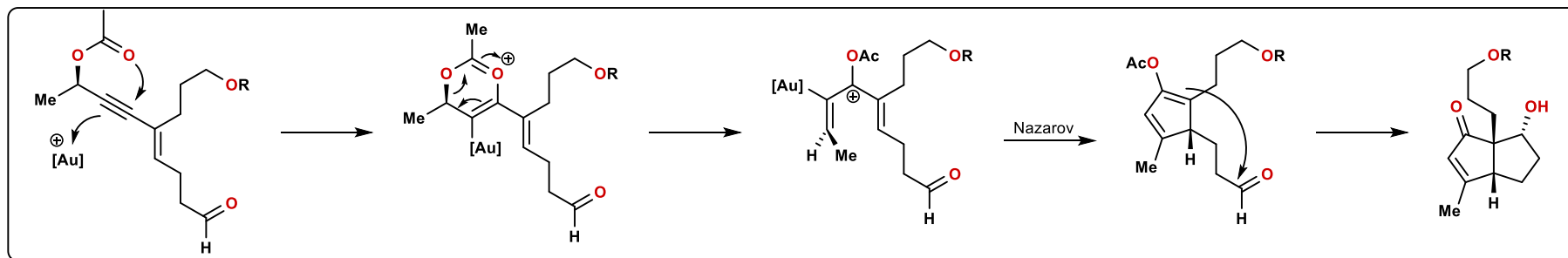
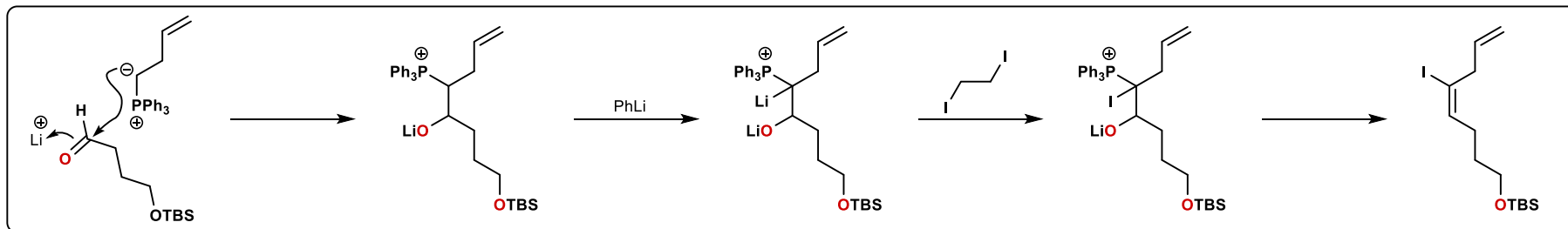
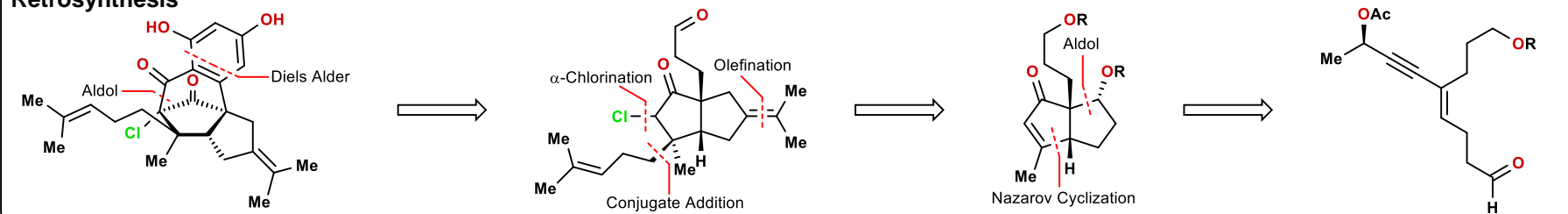


- First isolated in 2012 from an actinomycetes strain (CNH-189) in the ocean sediments near the shore of Oceanside, California
- (+)-Merochlorin A was found to display low  $\mu\text{M}$  *in vitro* antibiotic activity against *C. difficile* and various multi-drug resistant *S. aureus* strains
- Contains an unprecedented tetracyclic bicyclo[3.2.1]octane core containing 4 contiguous stereocenters
- At the outset of this study the absolute configuration was unknown



## Retrosynthesis



# (-)-Merochlorin A (Carreira, 2019)

