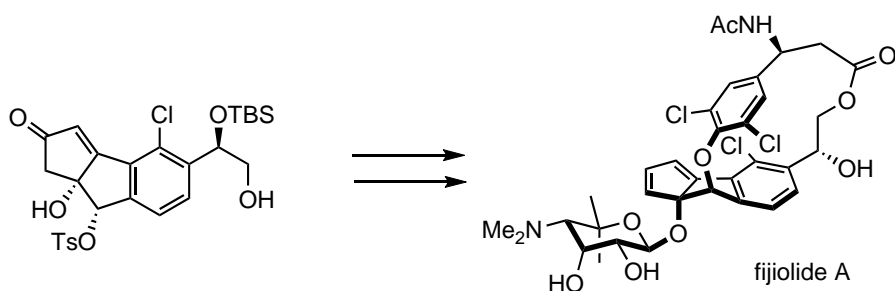


- 1) OsO₄, (DHQD)₂PHAL
 NMO, THF/H₂O
 2) TsCl, DMAP, pyridine
 65%
- 3) CSA, MeOH/CH₂Cl₂
 4) separation



N. Cramer *et al.* *J. Am. Chem. Soc.* **2015**, *137*, 11278.

