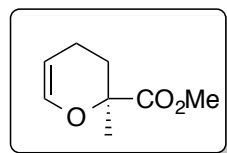
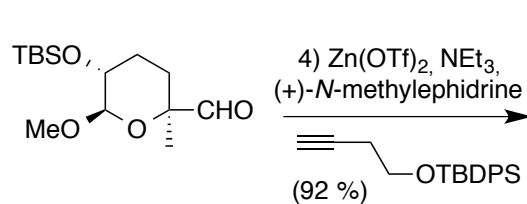


Total synthesis of (+)-aspergillin PZ

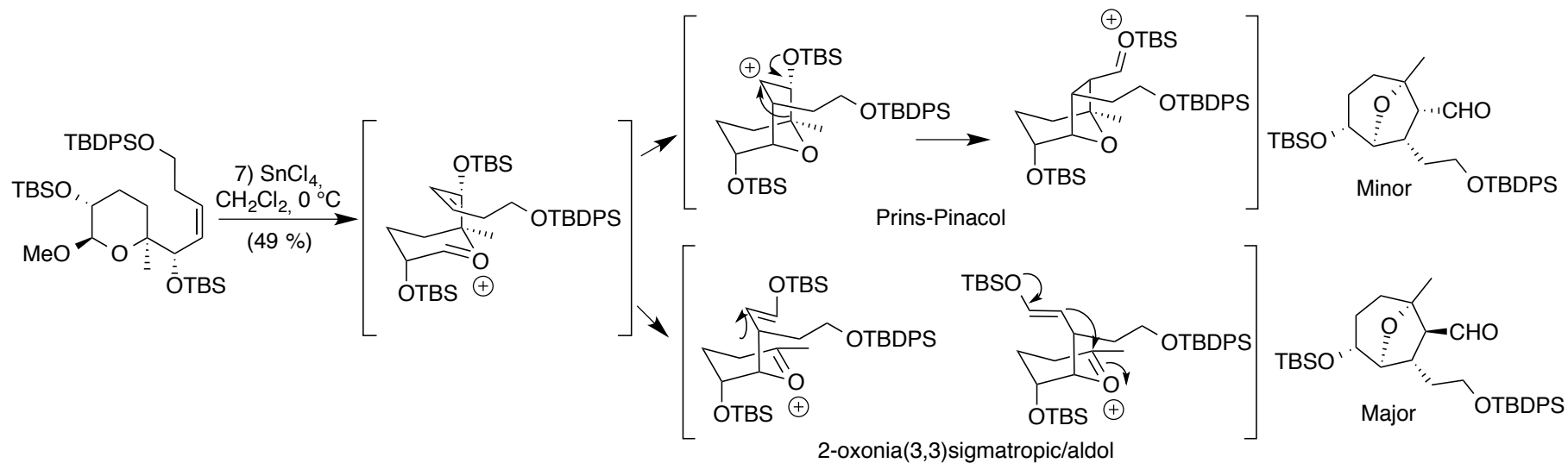
(S. M. Canham, L. E. Overman, P. S. Tanis, *Tetrahedron*, 2011, 67, 9837 - 9843.)



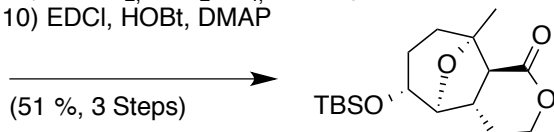
1) *m*-CPBA, MeOH, 0 °C
 2) TBSCl, imid., DMF
 3) DIBAL-H, Et₂O, -78 °C
 (43 %, 3 steps)



5) TBSOTf, Pyr.,
 CH₂Cl₂, -78 °C
 6) Lindlar cat. H₂,
 Et₂O
 (80 %, 2 Steps)



08) TBAF, AcOH
 09) NaClO₂, NaH₂PO₄, 2-methyl-2-butene
 10) EDCI, HOBT, DMAP



11) DBU,
 PhH, reflux.
 (83 %)

12) LAH
 13) TBDPSCI,
 DMAP, Pyr.
 14) TPAP,
 NMO, 4 AMS
 (63 %, 3 steps)

Total synthesis of (+)-aspergillin PZ

(S. M. Canham, L. E. Overman, P. S. Tanis, *Tetrahedron*, 2011, 67, 9837 - 9843.)

