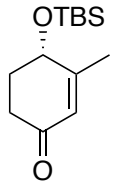
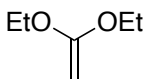
Synthesis Challenge 109

AG Wegner

14.11.2024



I



II

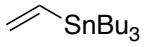
1-3

1) *hν*; NaOMe
2) H_2SO_4
3) *m*CPBA, $NaHCO_3$

A

4-6

4) $Me_3PhN^+Br_3^-$
5) Tf_2O, Et_3N
6) Pd_2dba_3, Ph_3As, LiCl, **III**



III

B

7

C

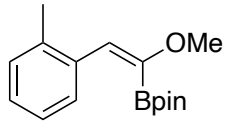
7) $K_2OsO_2(OH)_4$, NMO, $NaIO_4$

8

8) NH_2OMe*HCl, pyr, Na_2SO_4
9) **IV**, $Pd(OAc)_2$, XPhos, K_3PO_4

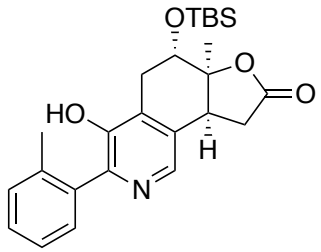
D

10) 160ºC
11) BCl_3, TBAI



IV

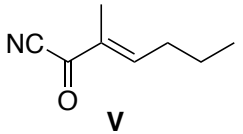
9



E

9-11

12) LDA, **V**
13) DIBAL-H
14) HF (aq)



V

F