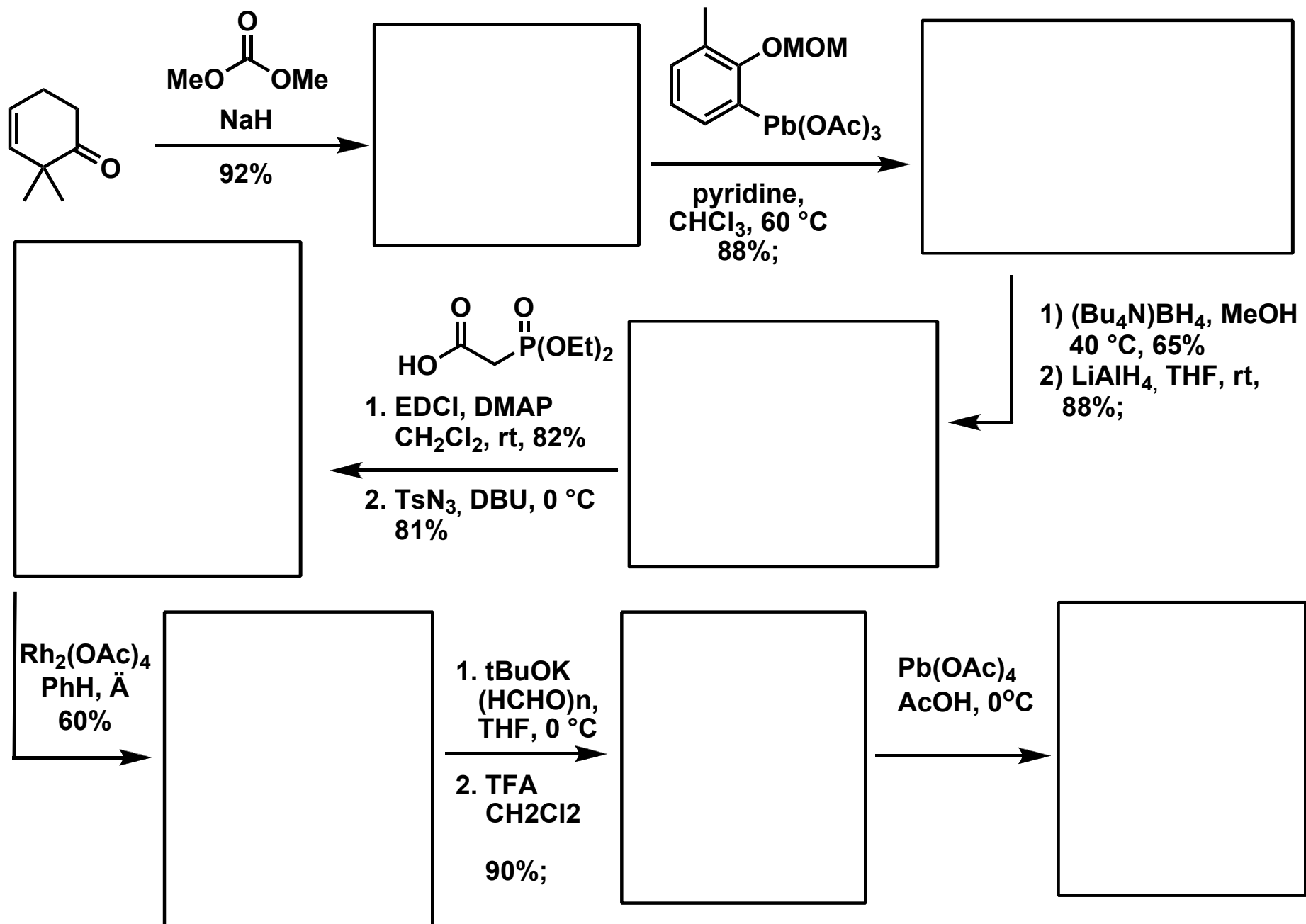


Yang et al., Total Synthesis of Maoecrystal V, J. Am. Chem. Soc. A.S.A.P.



PhMe
145 °C
24 h
→
3 isomers

+

+

"desired"

1. Zn, AcOH, THF
H₂O, 70 °C
2 h, 85%

2. Sml₂, THF, MeOH
rt, 10 min, 88%;

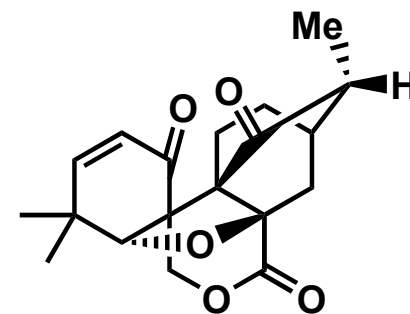
1. NBS, (PhCO₂)₂
CCl₄, reflux, 2 h,
90%;
2. Bu₃SnH, TEMPO
PhH, reflux, 2 h
75%;

1. Lindlar cat.
MeOH, THF
rt, 2 h, 92%

2. DMP, CH₂Cl₂
rt, 1 h, 88%

DBU
toluene,
100 °C, 1 h

48%
(90% brsm).



Maoecrystal V