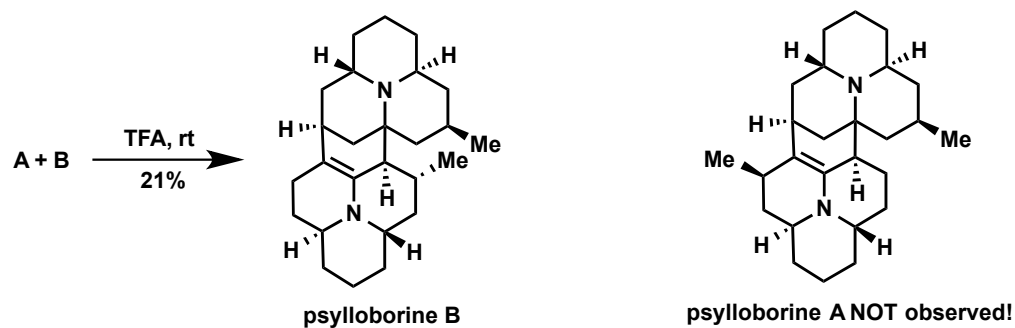
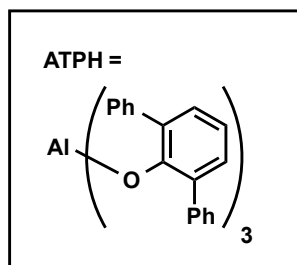
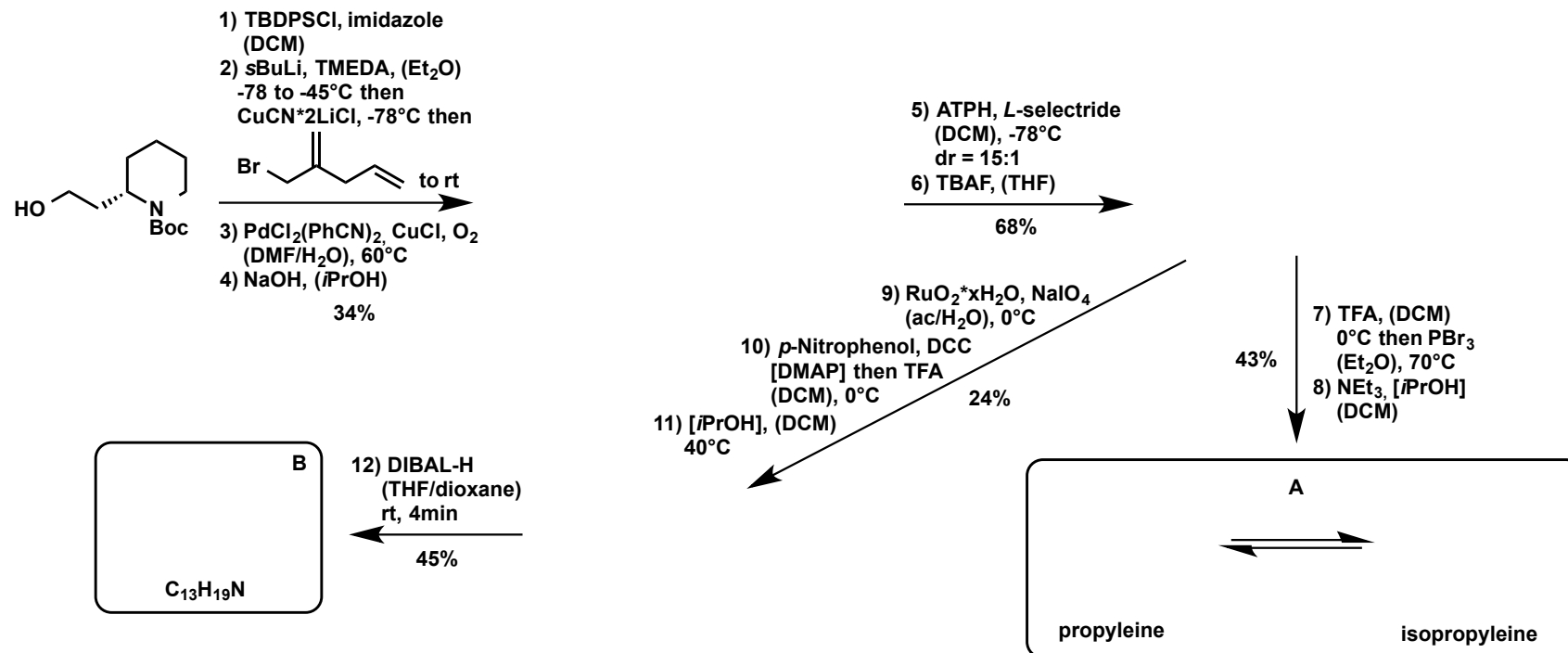


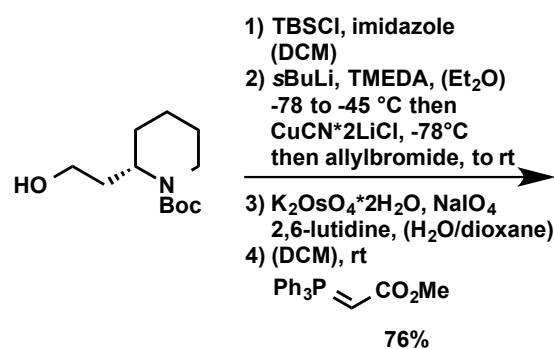
# Coccinellid alkaloids: if biomimicry fails

T. C. Sherwood, A. H. Trotta, S. A. Snyder *JACS* 2014, 136, 9743 - 9753



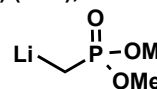
# Coccinellid alkaloids: if biomimicry fails

T. C. Sherwood, A. H. Trotta, S. A. Snyder *JACS* 2014, 136, 9743 - 9753

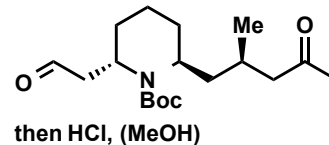


5) Pd/C, H<sub>2</sub>, (MeOH/EtOAc) -78 °C to rt

6) (THF), -78 to -45 °C



7) LiCl, *i*Pr<sub>2</sub>NEt, rt



11) TMG, (PhMe/*i*PrOH)  
12) TFA, (DCM)

13) (C<sub>6</sub>D<sub>6</sub>), 65 °C  
15%

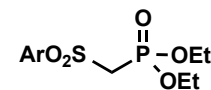
heptacycle

tricycle  
C<sub>40</sub>H<sub>56</sub>F<sub>6</sub>N<sub>2</sub>O<sub>8</sub>S

8) TFA, (DCM), -78 °C

9) (COCl)<sub>2</sub>, DMSO, NEt<sub>3</sub> -78 to 0 °C

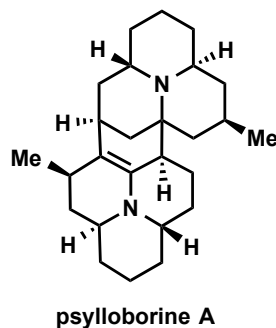
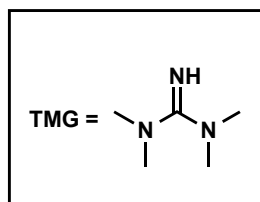
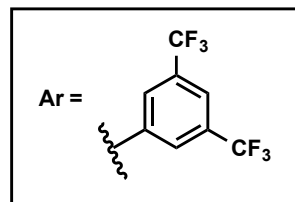
10) LiCl, *i*Pr<sub>2</sub>NET, (MeCN)



60%

14) Na/Hg (*i*PrOH)

46%



TFA, (ClCH<sub>2</sub>CH<sub>2</sub>Cl)  
75 °C

75%

