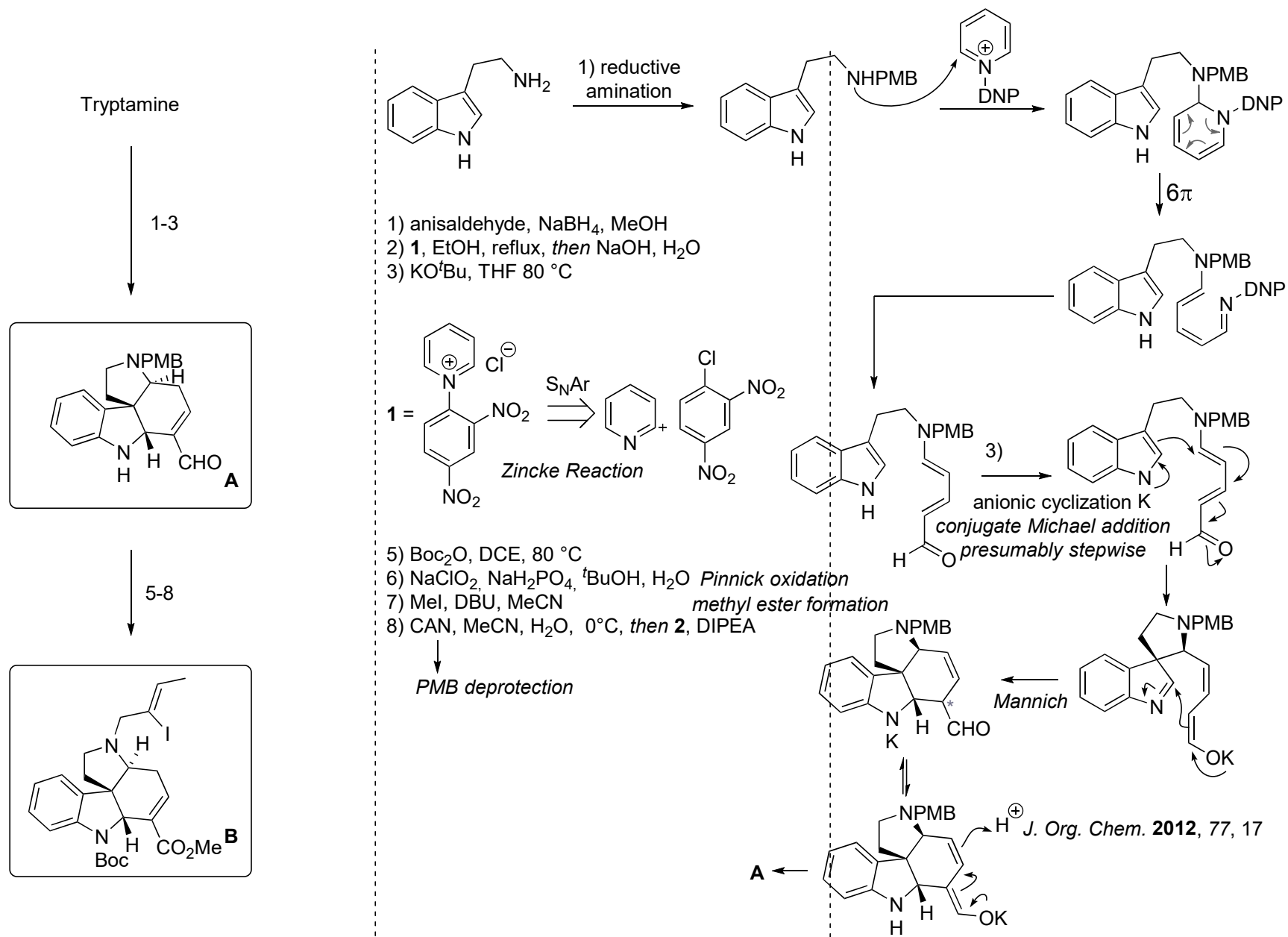
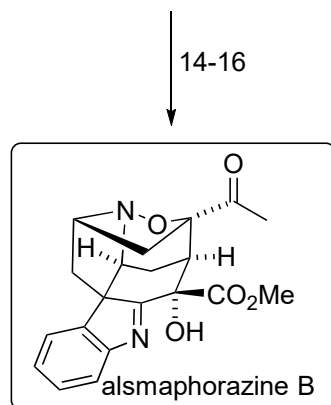
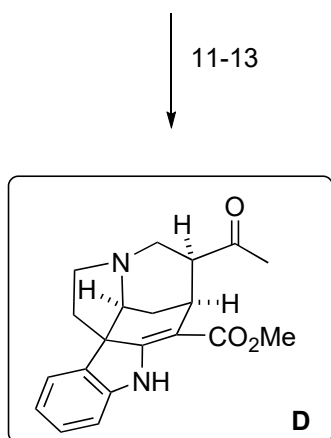
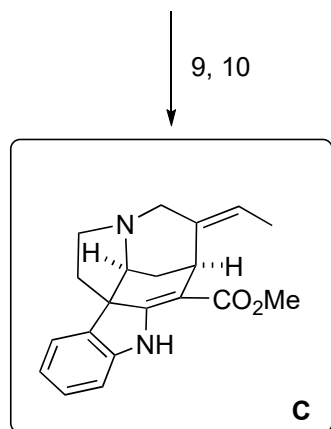


A Synthesis of Alsmaphorazine B Demonstrates the Chemical Feasibility of a New Biogenetic Hypothesis

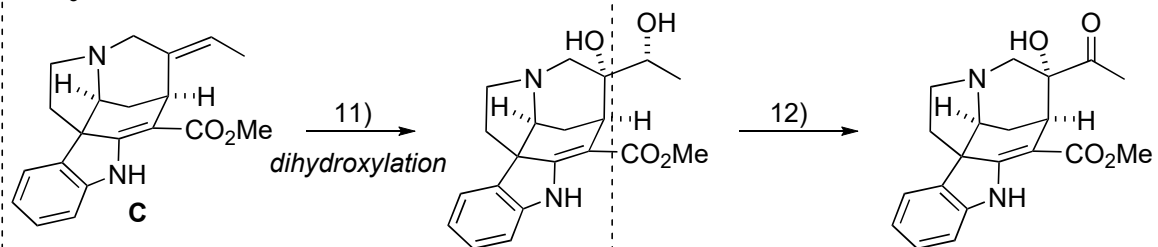
Hong, A. Y., Vanderwal, C. D., *J. Am. Chem. Soc.* **2015**, *137*, 7306-7309

Hong, A. Y., Vanderwal, C. D., *Tetrahedron* **2016**, *73*, 4160-4171

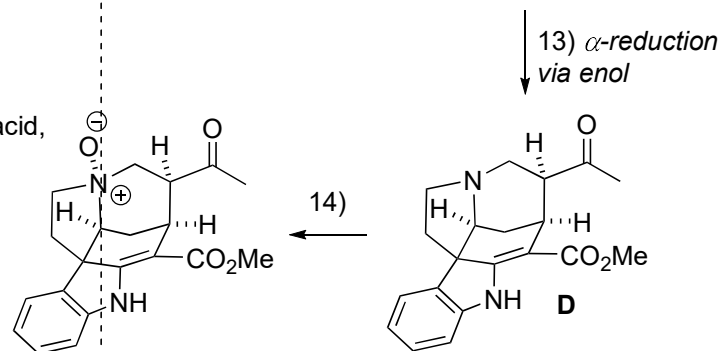




9) TFA, CH₂Cl₂ *Boc deprotection*
 10) Pd(OAc)₂ (20 mol%), PPh₃ (40 mol%),
 Et₃N, 90 °C *Heck reaction*

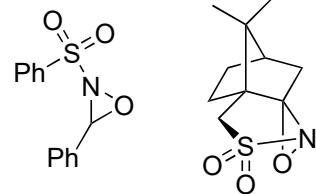


11) K₂OsO₄•H₂O (10 mol%), NMO, citric acid,
^tBuOH, H₂O
 12) DMP, ^tBuOH, CH₂Cl₂
 13) Sml₂, THF, MeOH



14) DMDO, acetone
 15) DBU, O₂ (1 atm), toluene, 80 °C
 16) LiHMDS, THF, Davis reagent, -78 °C

Davis reagent *camphor sulfonyloxaziridine*



or DMDO, MoOPh, mCPBA etc.

