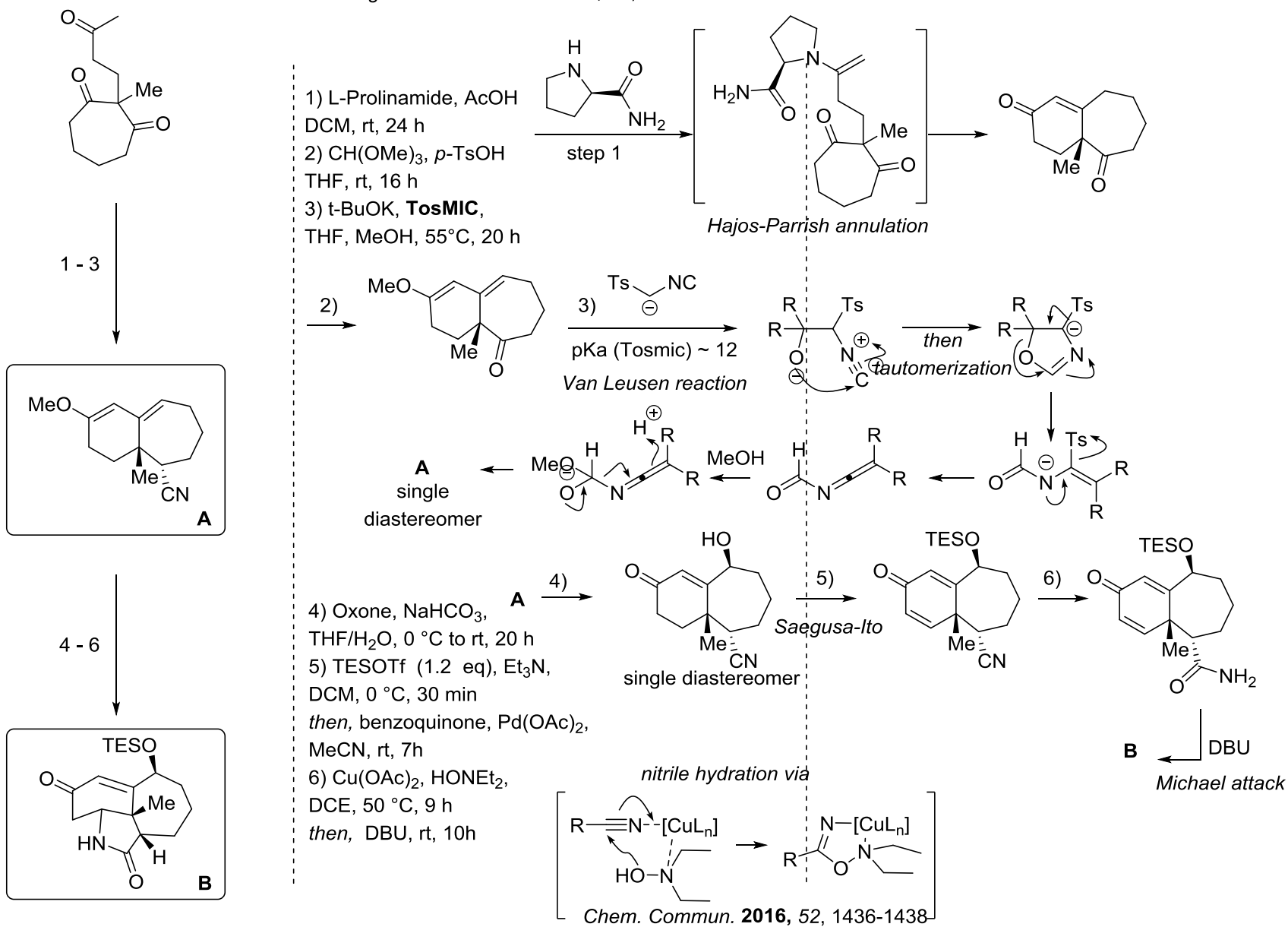
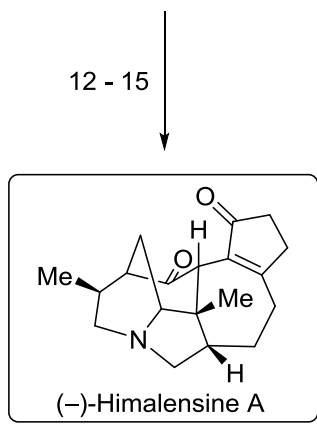
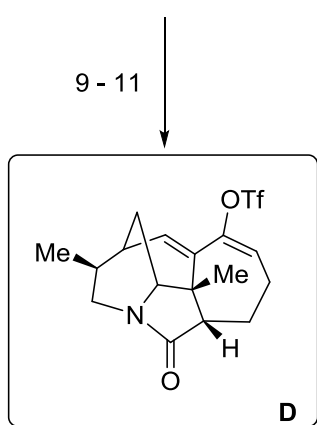
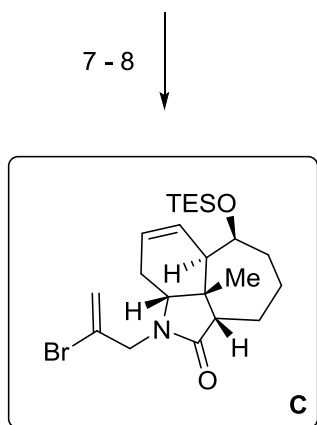


A Concise Total Synthesis of (-)-Himalensine A

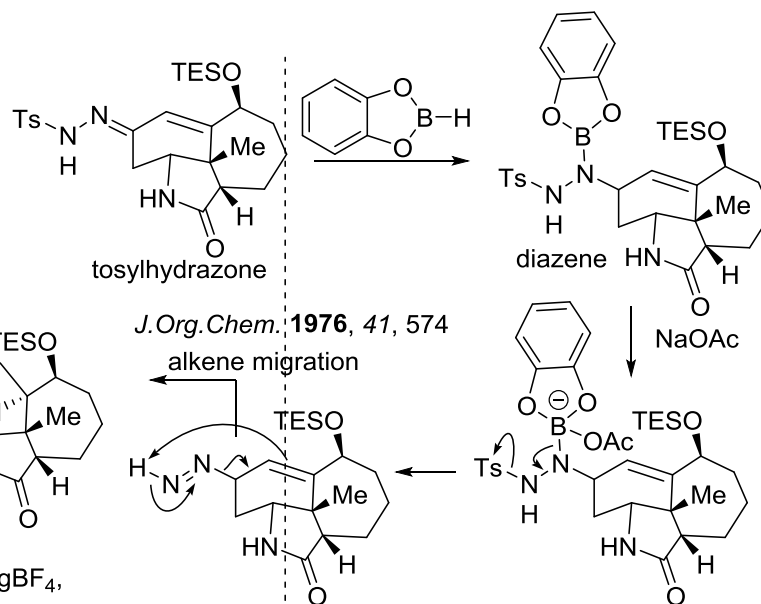
Y. Chen, J. Hu, L.-D. Guo, W. Zhong, C. Ning, J. Xu

Angew. Chem. Int. Ed. 2019, 58, 7390–7394.

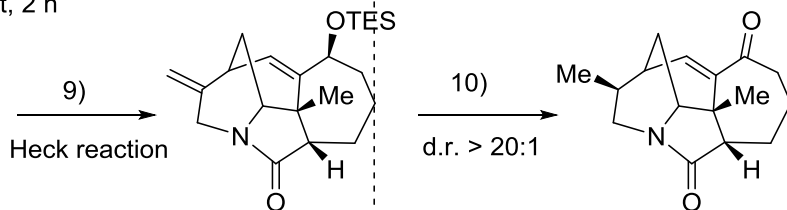




7) TsNHNH₂, EtOH, reflux, 3 h
 then, Catecholborane,
 DCM, 0 °C, 3 h,
 then, NaOAc·3H₂O, reflux, 9 h
 8) NaH, 2-bromo-allylbromide
 THF, rt, 6 h



9) Pd(OAc)₂, PPh₃, Et₃N,
 Dioxane, MW, 120 °C, 4 h
 10) H₂, [Rh(COD)Cl]₂, PPh₃, AgBF₄,
 DCM, rt, 6 h
 then, AZADOL, PIDA, rt, 2 h
 11) KHMDS, PhNTf₂,
 THF, -78 °C, 6 h



J. Am. Chem. Soc. **2017**, *139*, 15, 5558-5567
J. Am. Chem. Soc. **2017**, *139*, 42, 14893-14896
 then, oxidation of -OTES

12) Tributyl(vinyl)tin, Pd(PPh₃)₄, CO, LiCl,
 THF, rt, 24 h
 13) SnCl₄, DCM, rt, 30 min
 14) mCPBA, DCM, 0 °C, 6 h,
 then, BF₃·Et₂O, PhMe, 0 °C to rt, 5 min
 15) Vaska's Catalyst, TMDS, DCM, rt
 then, TFA, Et₃SiH, rt, 48 h

