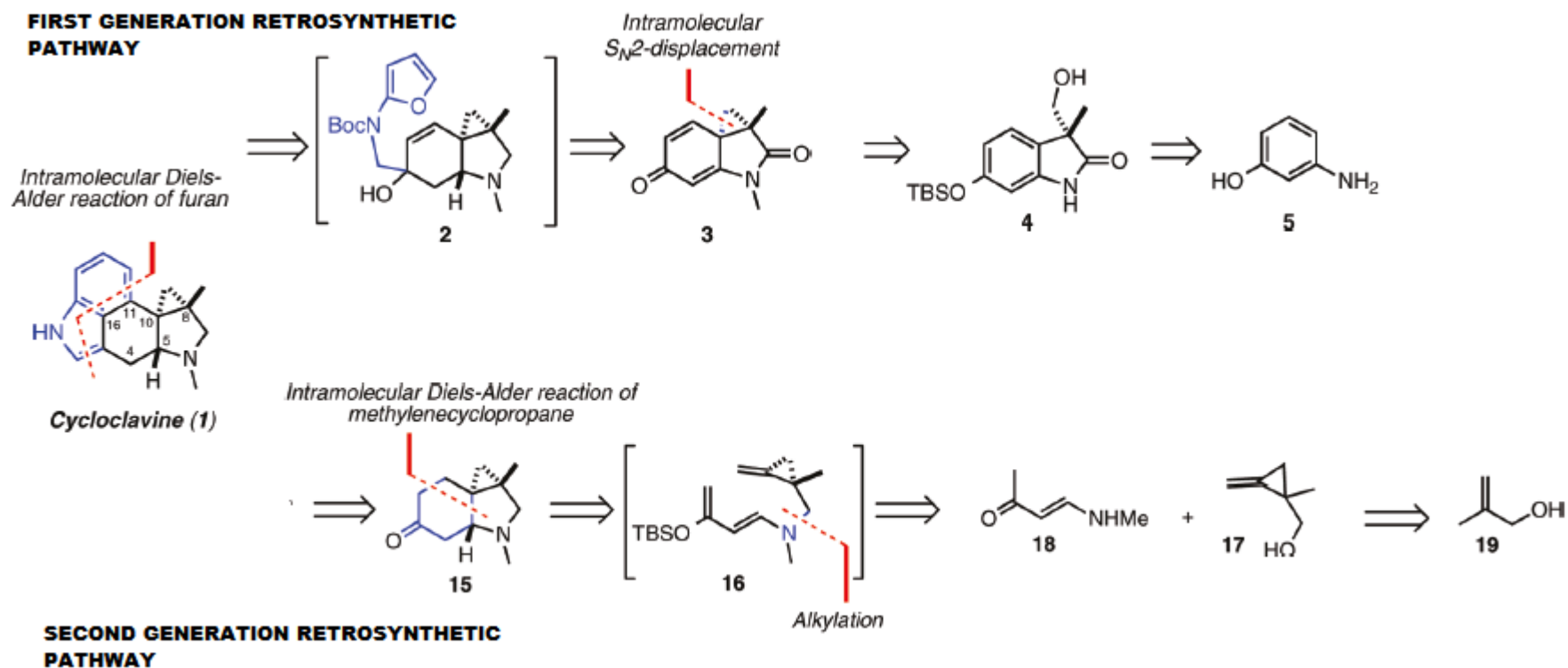
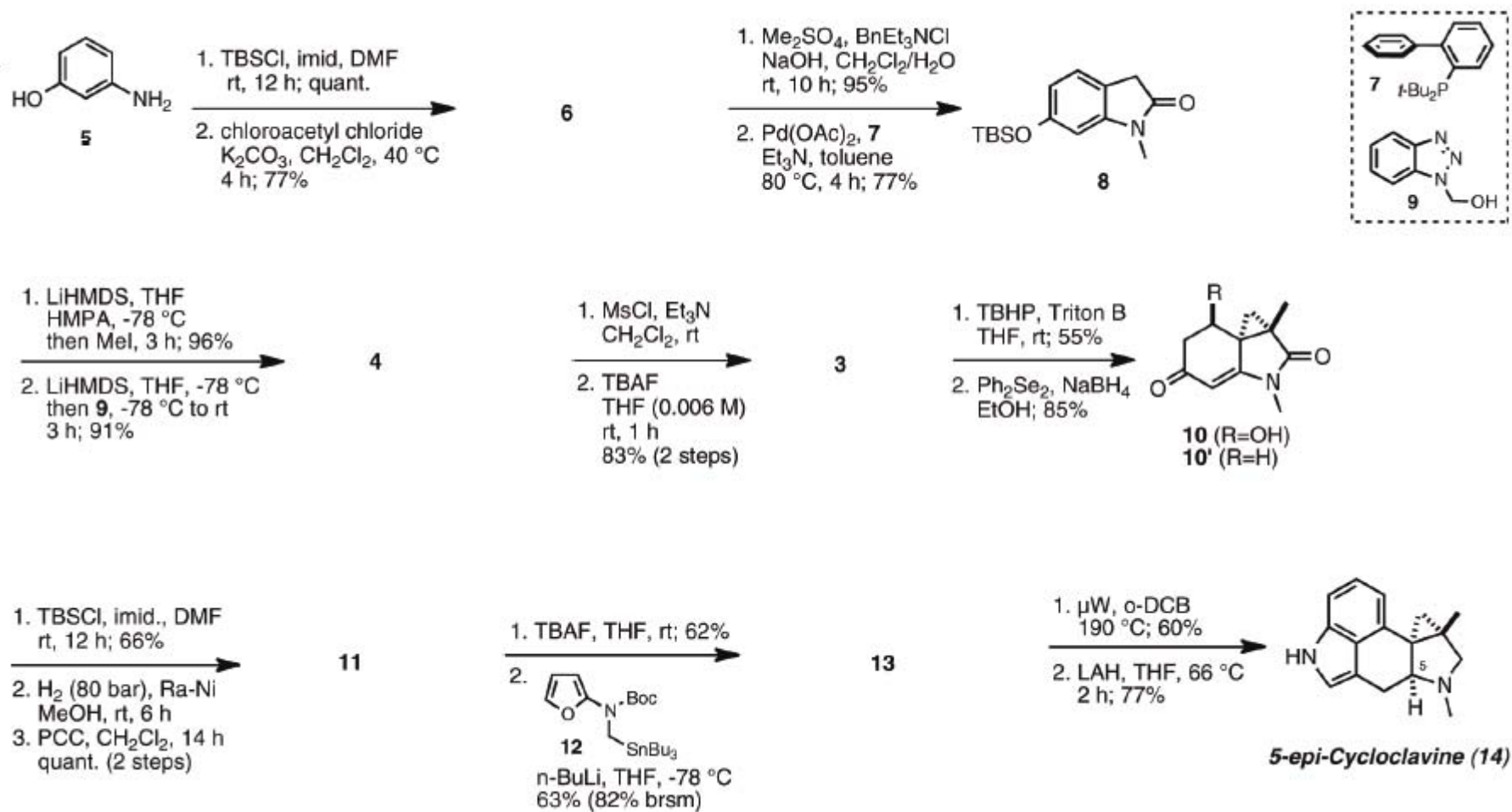


TOTAL SYNTHESIS OF (+)-CYCLOCLAVINE and (+)-5-EPI-CYCLOCLAVINE

Part A and B: Please fill the gaps with the correct structures and explain the mechanisms to obtain them.

Part A : First Generation Retrosynthetic Pathway: synthesis of (+/-)-5-epi-Cycloclavine



Part B : Second Generation Retrosynthetic Pathway: synthesis of (+-) Cycloclavine

