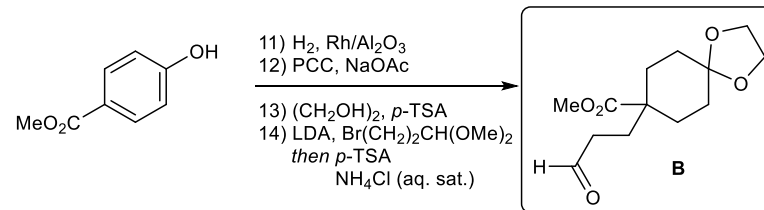
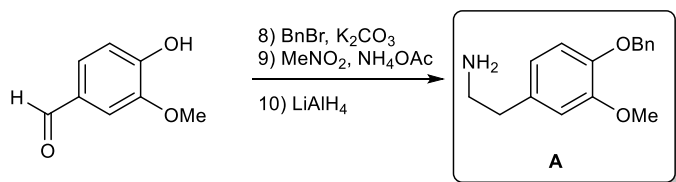
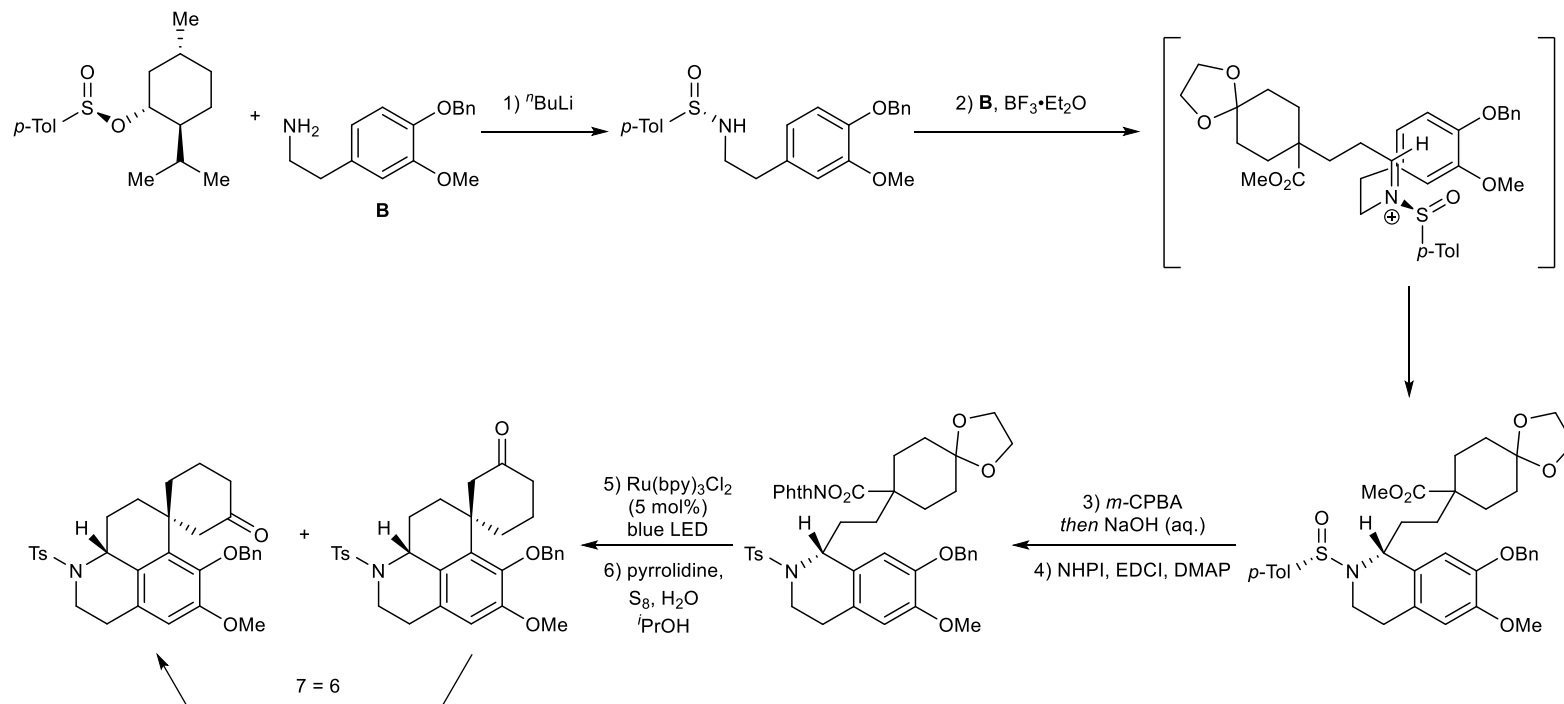
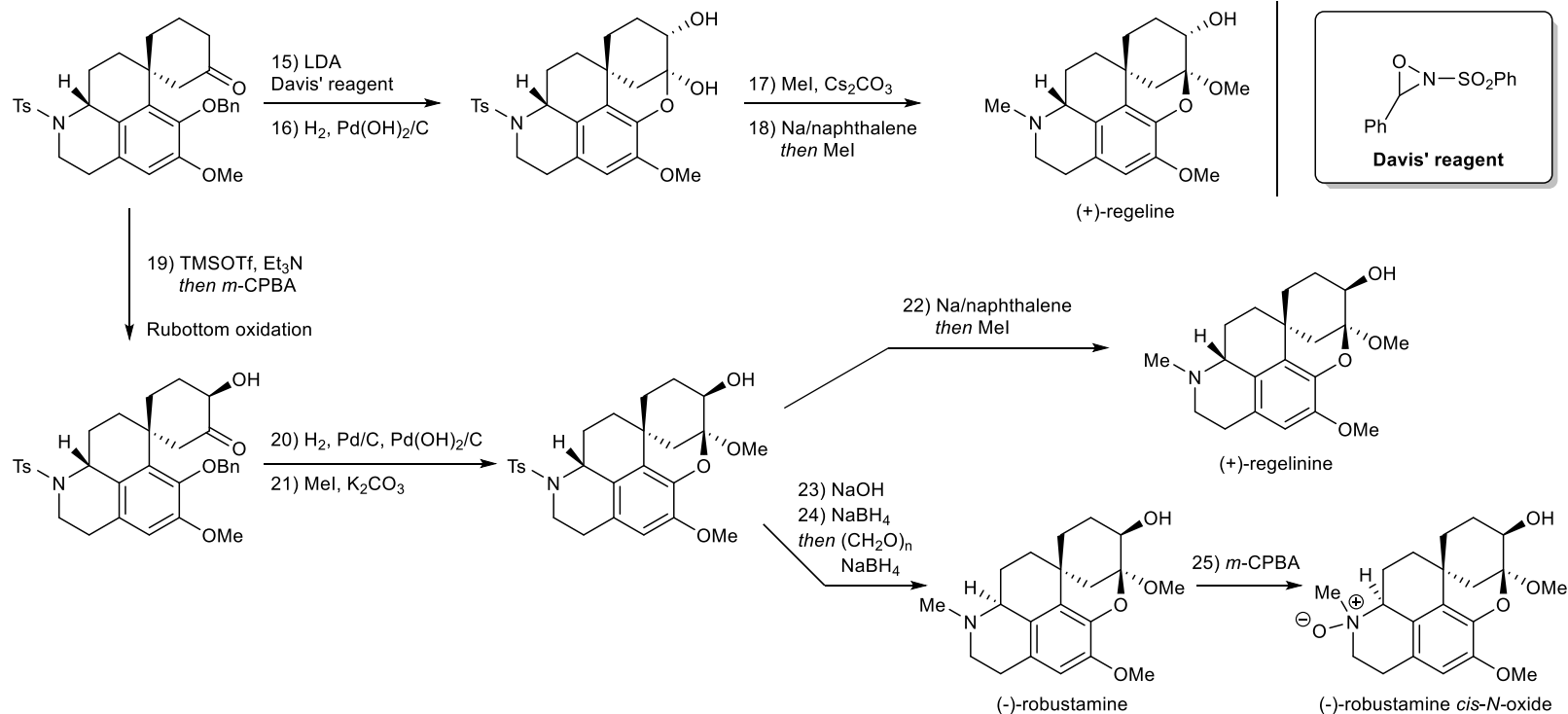


E291: Total synthesis of homoproaporphine alkaloids

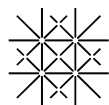
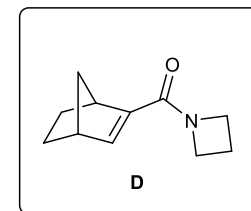
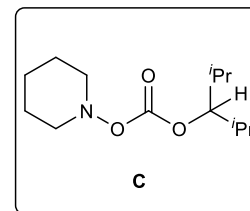
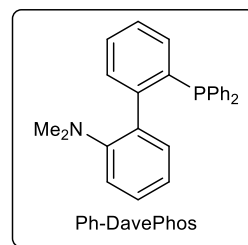
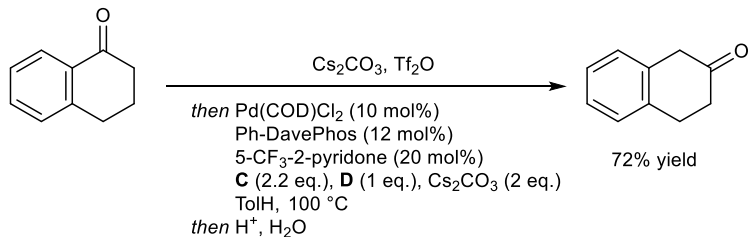


E291: Total synthesis of homoproaporphine alkaloids



Bonus! Provide the mechanism (only the main steps of the catalytic cycle).

Alternative method for carbonyl group 1,2-transposition:



E291: Total synthesis of homoproaporphine alkaloids

