

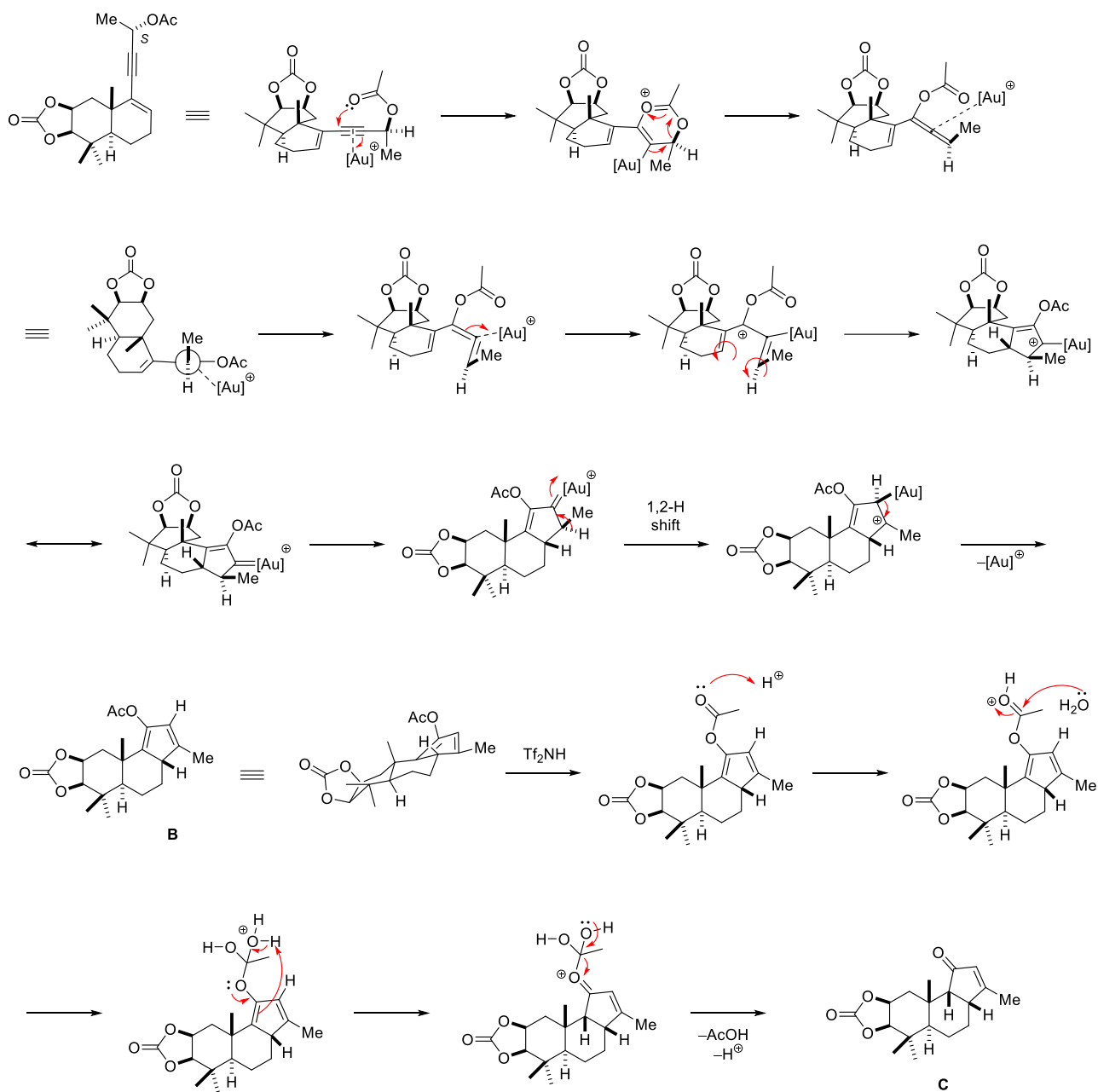




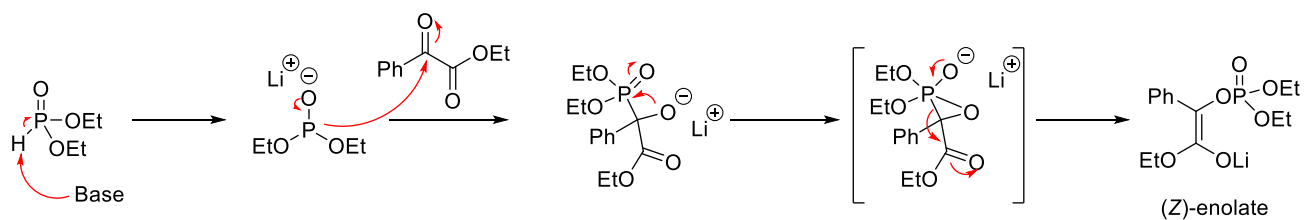
[illegible]

The reaction scheme illustrates the synthesis of 1,2-diphenyl-1,2-dihydro-8H-benzo[5,6-b]pyridine 8-oxide. The process begins with the reaction of 1,2-diphenyl-1,2-dihydro-8H-benzo[5,6-b]pyridine 8-oxide with a rhodium complex [Rh]. This forms a rhodium complexed intermediate, which then undergoes a series of steps: loss of N₂, formation of a rhodium complexed intermediate, and finally, a 8π conrotatory ring closure to form the final product, 1,2-diphenyl-1,2-dihydro-8H-benzo[5,6-b]pyridine 8-oxide.

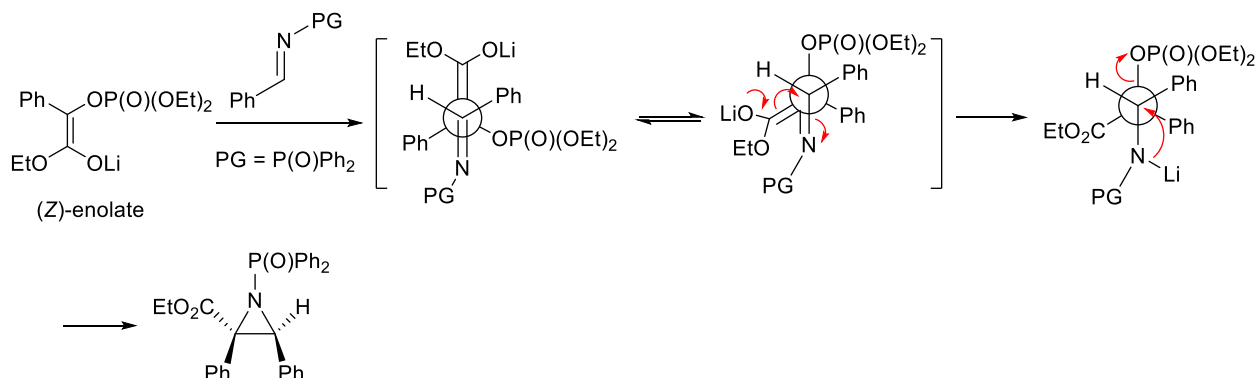




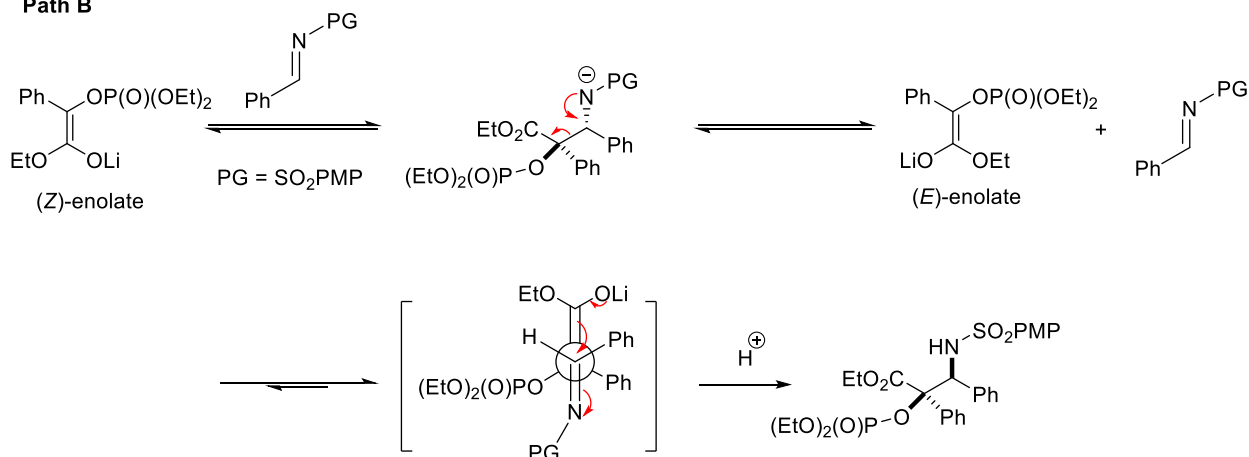
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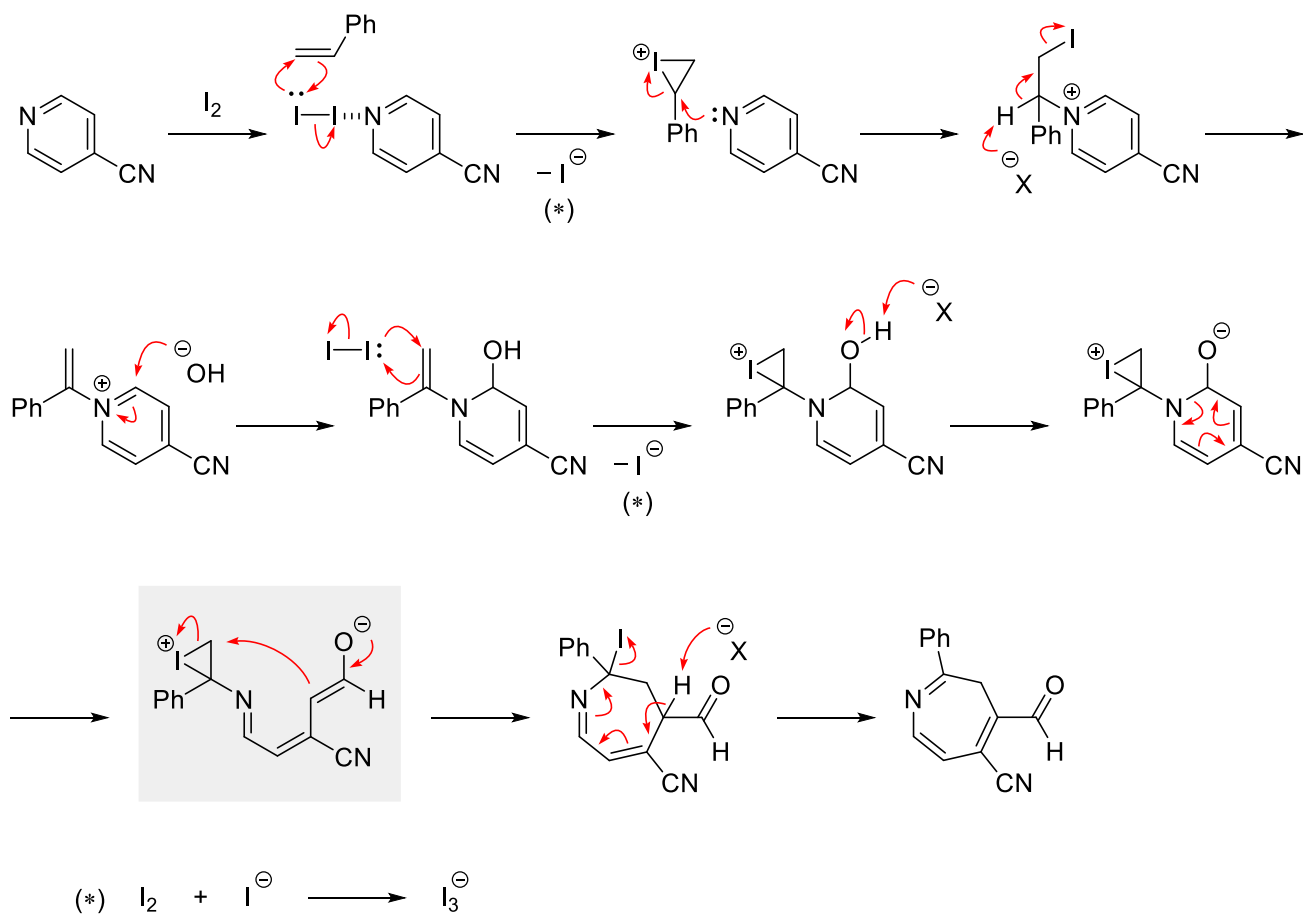
Path A



Path B



6



• Another Pathway

