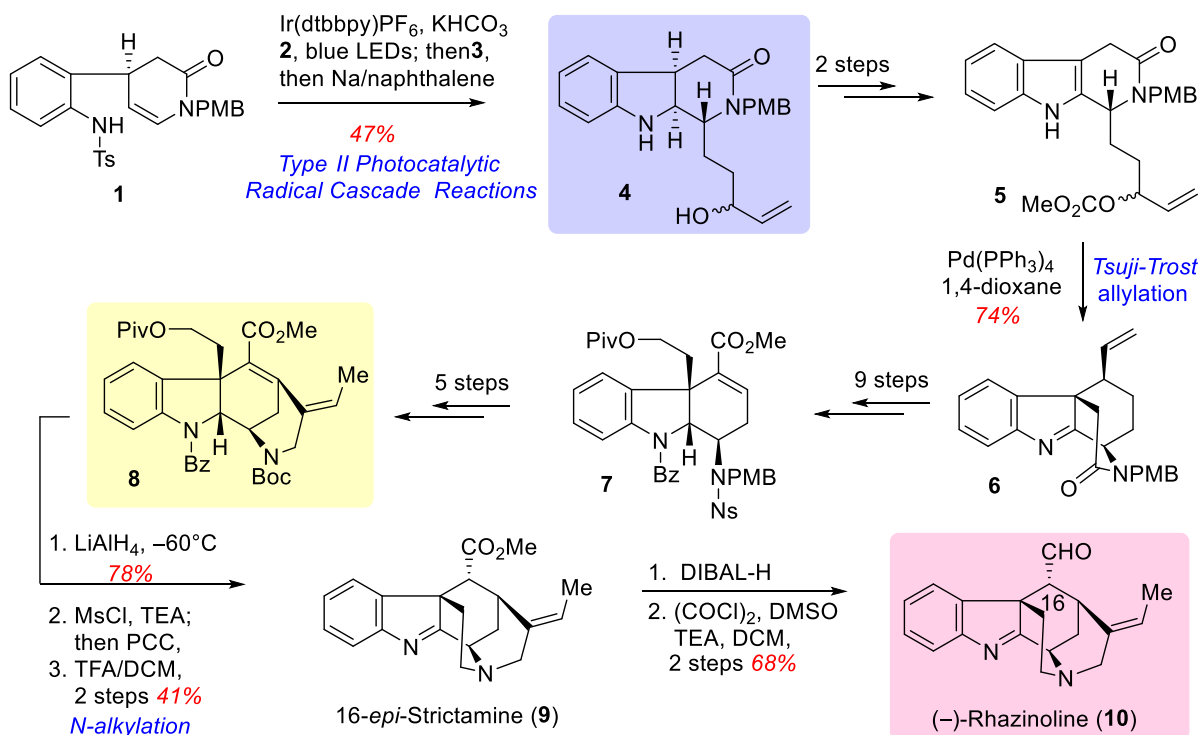
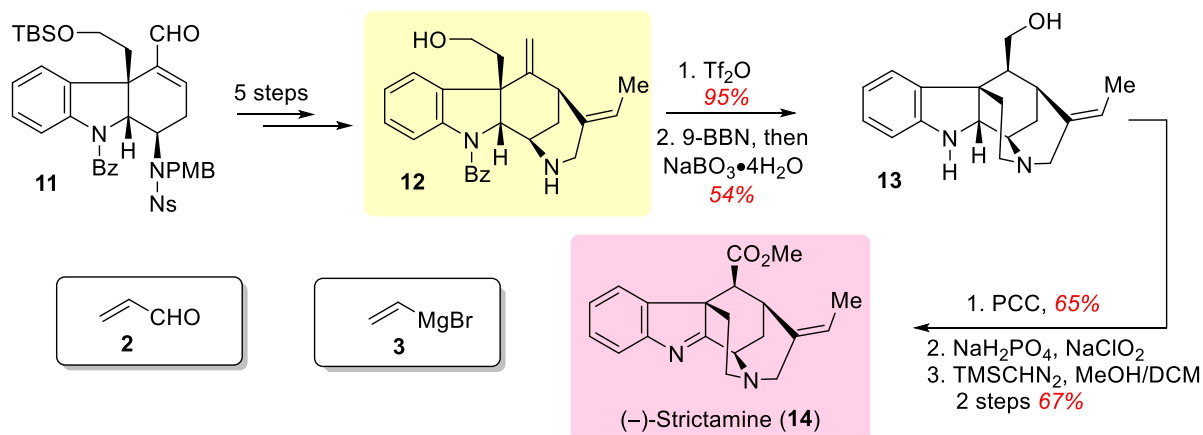


## Synthesis of (-)-Rhazinoine



## Synthesis of (-)-Strictamine



## Significance:

Qin and his coworkers disclosed a unified synthetic approach to the asymmetric total syntheses of the akuammiline alkaloids (-)-strictamine and (-)-rhazinoine that structurally possess a challenging methanoquinolizidine motif and varied configurations at C16, which offers new and enantioselective access to these methanoquinolizidine-containing akuammiline alkaloids.

## Comment:

- Type II radical cascade reaction was employed to generate the chiral tetrahydrocarbolinone system.
- Utility of a Tsuji-Trost allylation protocol enabled assembly of the functionalized cyclohexane C ring.
- Late-stage construction of the D ring as well as completion of the entire pentacyclic framework was realized by an intramolecular N-alkylation reaction.