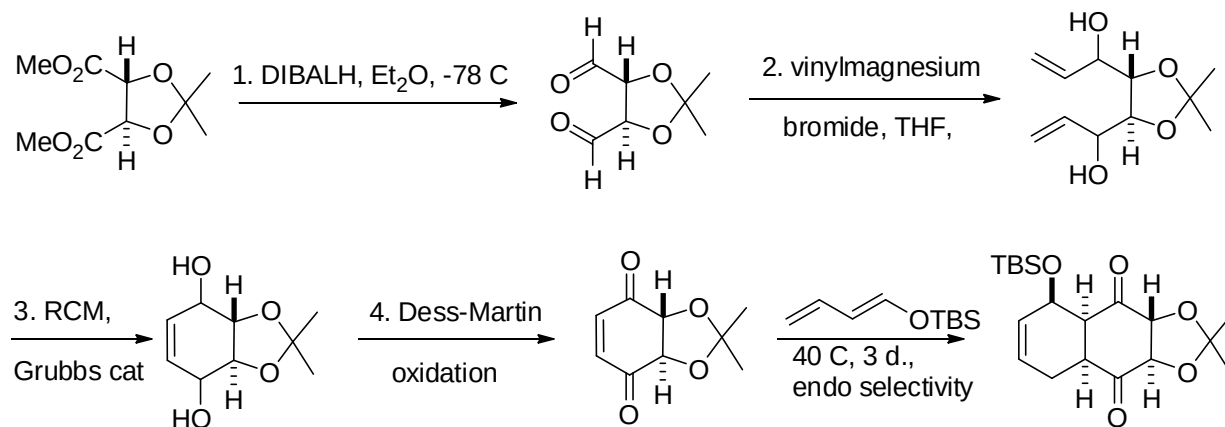


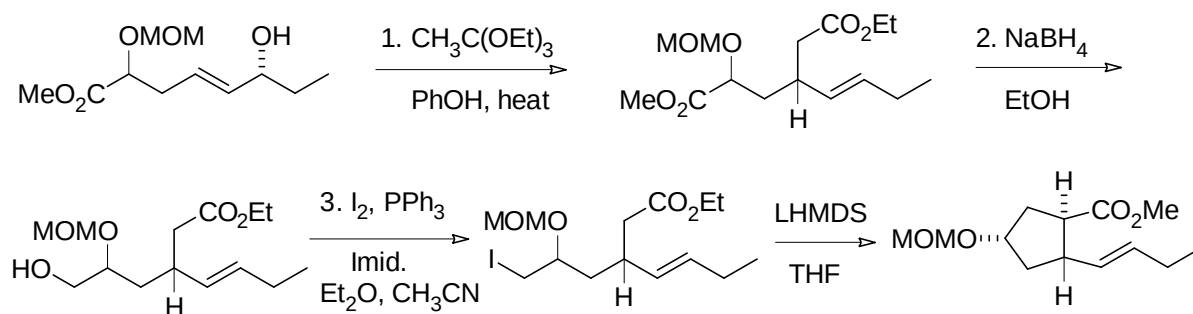
CHEMISTRY 642/450

Quiz #6 Key

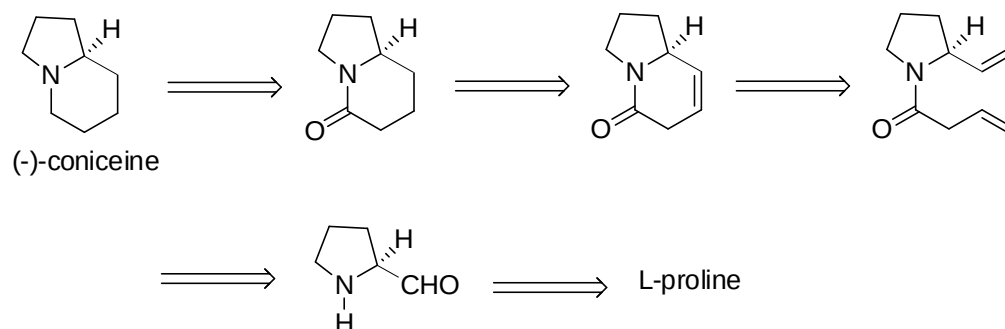
1. Supply the missing reagents necessary to accomplish the following synthesis. Be sure to control the relative stereochemistry.



2. Show the intermediate and the missing reagents necessary for the following transformation.



3. Propose a synthesis of (-)-coniceine using a ring-closing metathesis (RCM) as a key step.



For reagents and detailed conditions, see Nakagawa, *Synlett* **1997**, 1179.