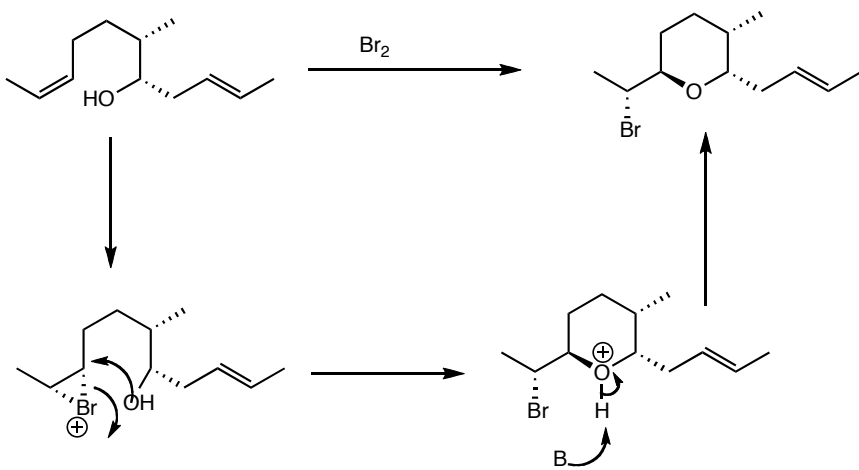
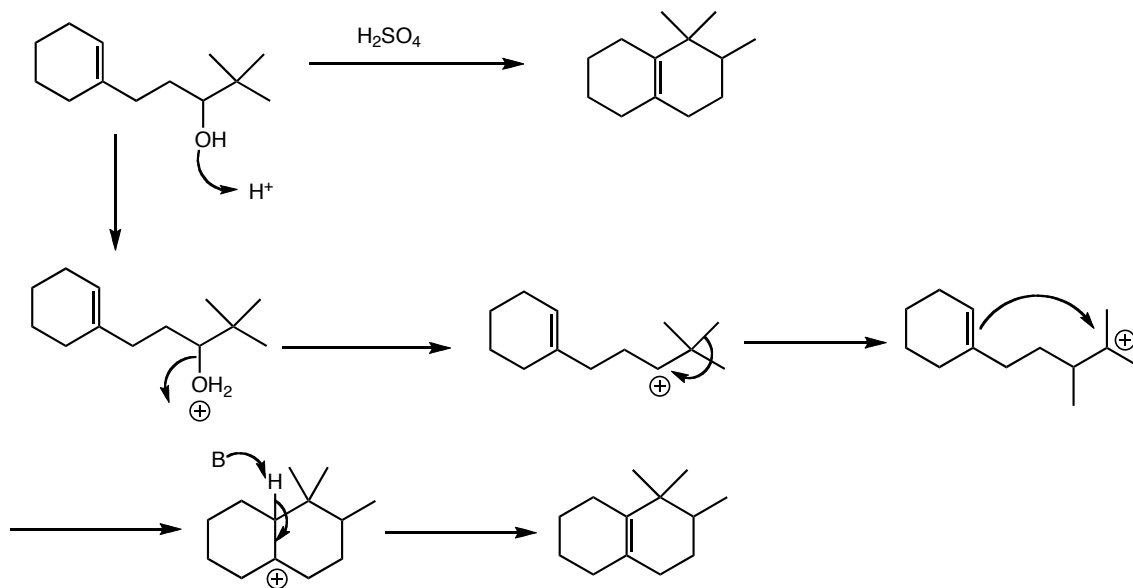


1. Propose a mechanism for the following transformations:



2. Propose a synthesis of the following molecules, using the precursors given:

