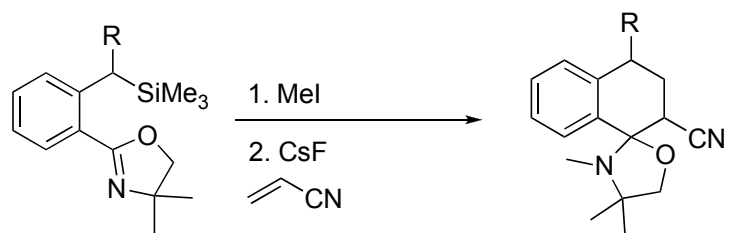
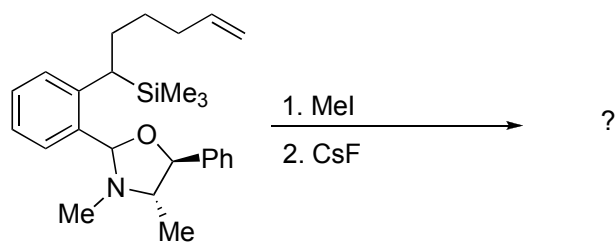


1. Propose a mechanism for the reaction:



Give a mechanism and product for the reaction:



2. Give mechanisms for the following sequence:

