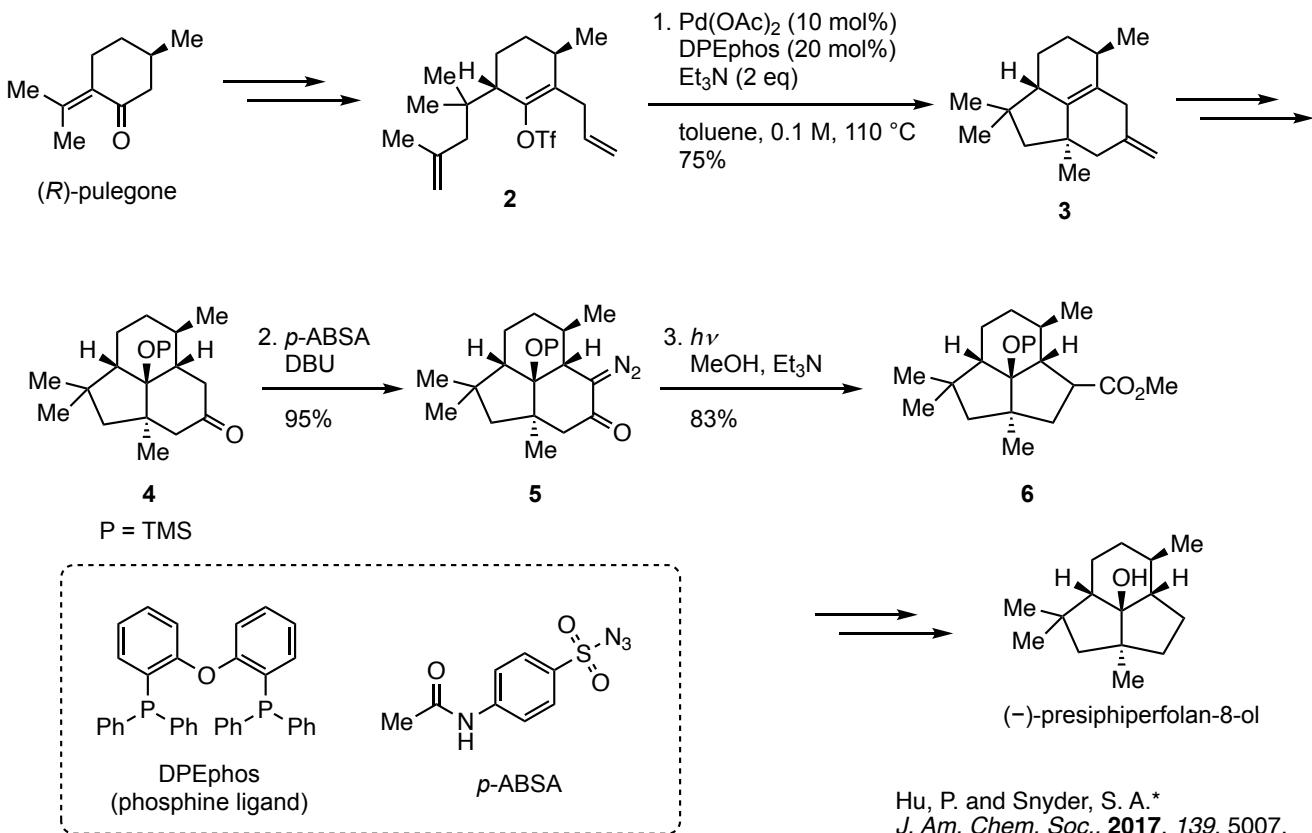


Q1. Plan a synthesis of **2** from (*R*)-pulegone.

Q2. Propose reasonable allow-pushing mechanisms for the following transformations.(1~3).



Q1. Propose the possible reaction mechanism  
Q2. Propose the reasonable synthetic route

