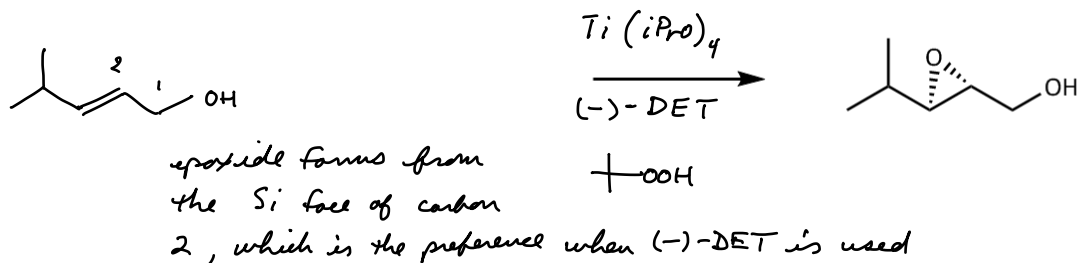


Quiz 3 (30 points)

Name Key

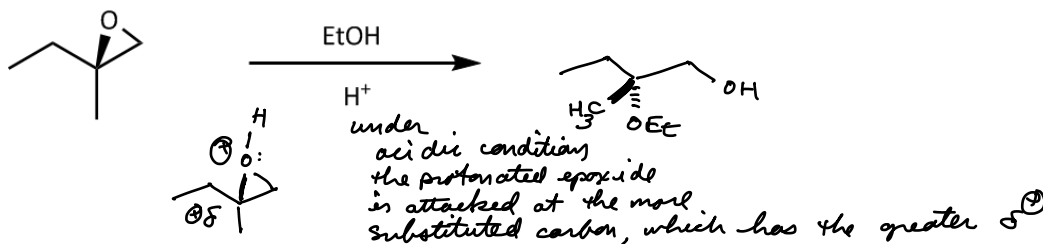
1. Show the starting alkene and Sharpless epoxidation reagents needed to produce the product shown. (5 points)



2. Provide an IUPAC name for the compound shown in Question 1. (5 points)

(2R,3S)-2,3-epoxy-4-methylpentan-1-ol

3. Show the product (or products) from the reaction (show relevant stereochemistry). (10 points)



4. Draw the structure of the following compound (with correct stereochemistry): (10 points)

(3S,4R)-3,4-epoxy-4-methylcyclohexene

