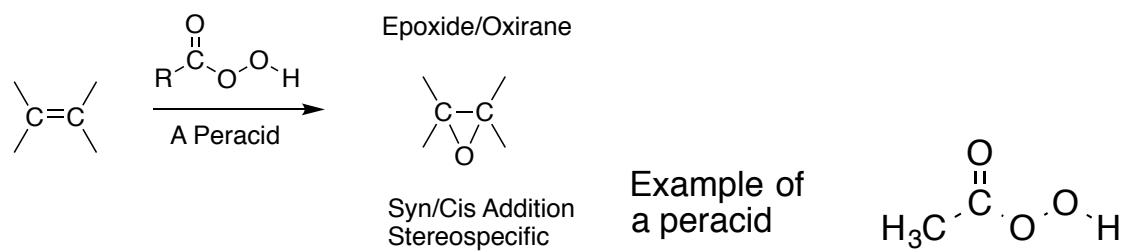
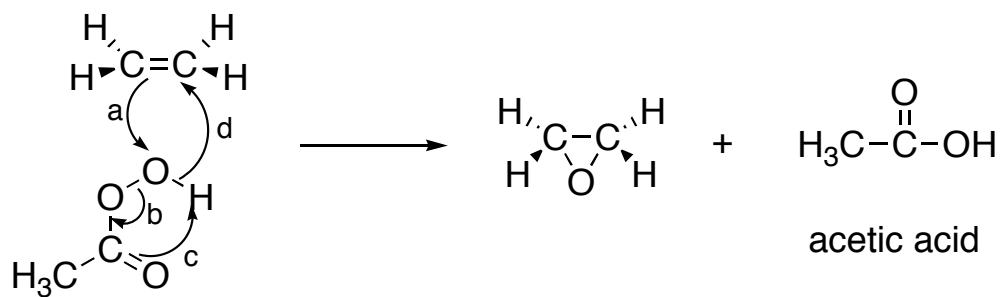
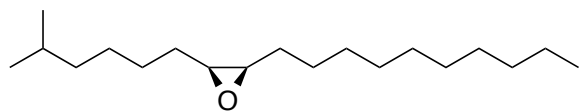
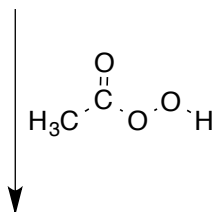
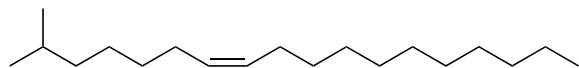


Oxidation Reactions of Alkenes (Addition Reactions)**Epoxidation:**

Mechanism:



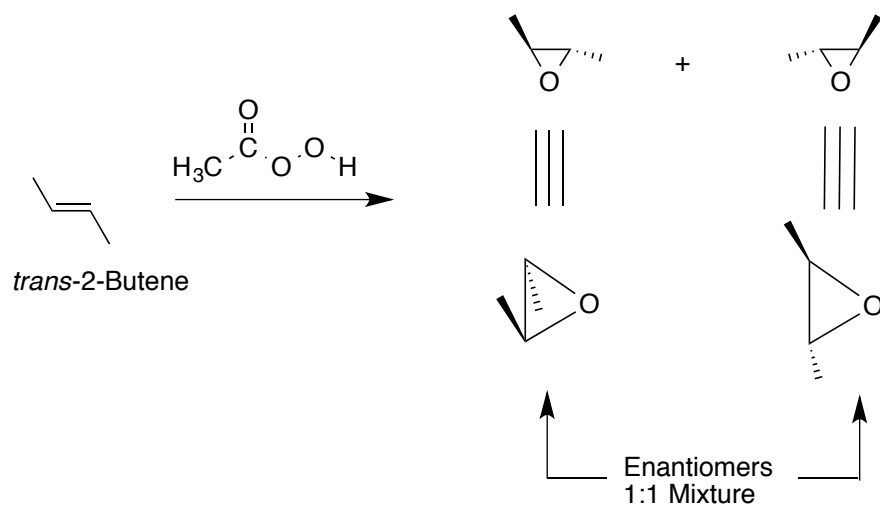
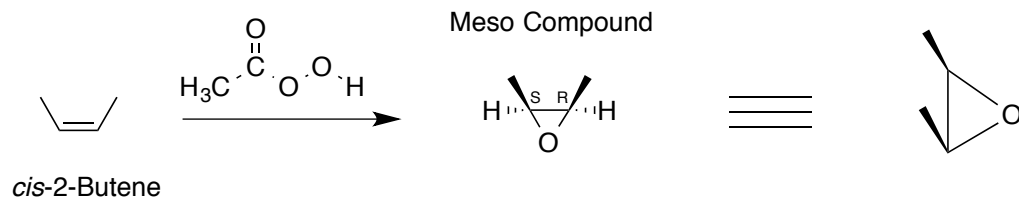
Example 2: 2-Methyl-7-octadecene



Sex pheromone for Gypsy Moth

biologically, only one enantiomer is active (one shown) – racemate produced by peracetic acid

Example : *trans*- vs *cis*-Butene



The possibility of epoxidation from the top is 50% and from the bottom is 50% so a 1:1 mixture of enantiomers is form (racemic mixture).