CHEM 261 November 4, 2020

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

**Epoxidation:**

 

Mechanism:



**Example 2:** 2-Methyl-7-octadecene



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

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

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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).