

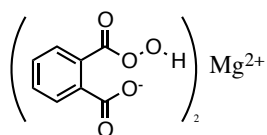
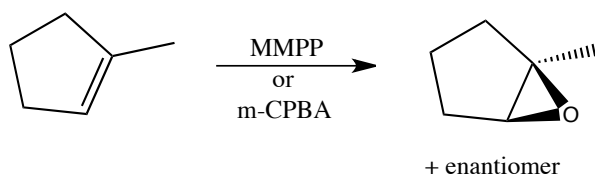
Chem 343 – Organic Reactions

Chapter 11

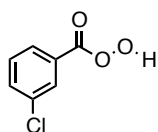
Prepared by José Laboy, MS

[http: www.chem.wisc.edu/areas /clc](http://www.chem.wisc.edu/areas/clc) (Resource page)

Synthesis and Reactions of Epoxides #1: Synthesis of Epoxides with Peroxides

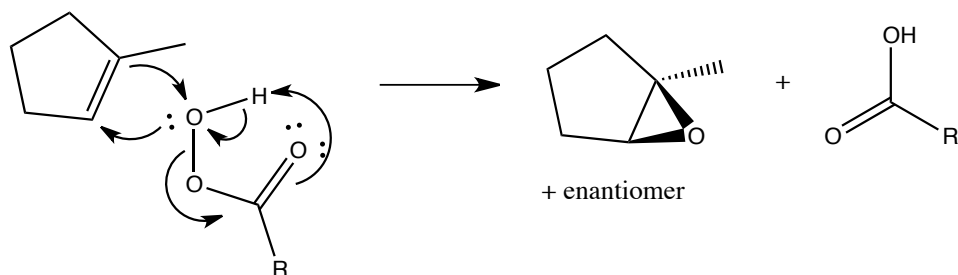


mono peroxyphthalate (MMPP)



m-chloroperoxybenzoic acid (m-CPBA)

Mechanism



The reaction has a concerted mechanism. It's stereospecific syn addition. The oxygen adds to one side of the double bond.