

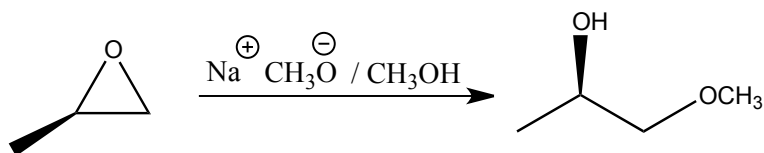
Chem 343 – Organic Reactions

Chapter 11

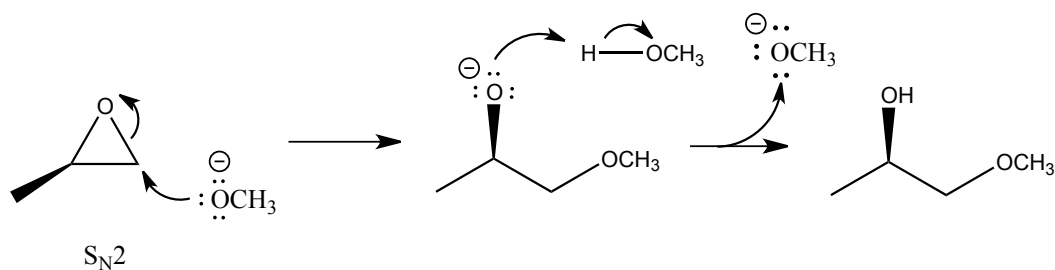
Prepared by José Laboy, MS

<http://www.chem.wisc.edu/areas/clc> (Resource page)

Synthesis and Reactions of Epoxides #4: Base-Catalyzed Epoxide Reaction with a Nucleophile



Mechanism



The nucleophile/base attacks the least hindered carbon atom of the epoxide ring.

The reaction goes through an anti-addition mechanism. The reaction is stereospecific.