

Chem 345 - Organic Reactions

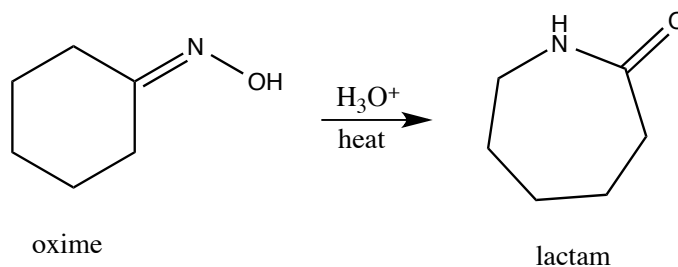
Chapter 19

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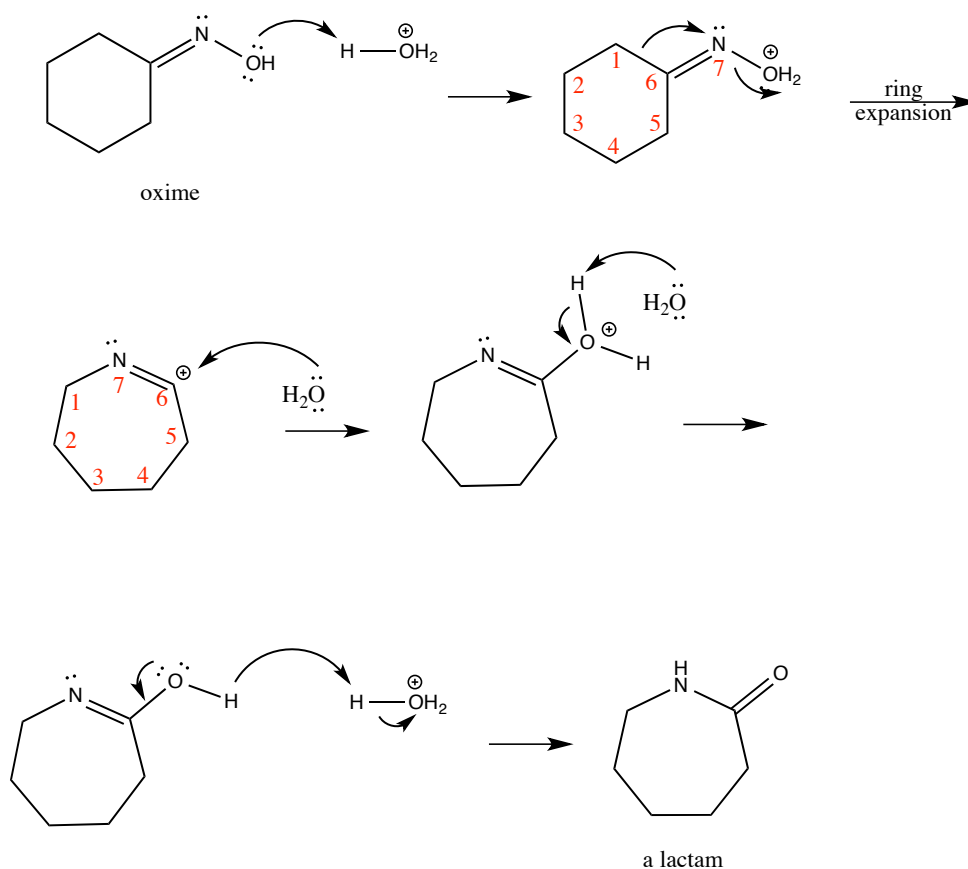
<http://www.chem.wisc.edu/areas/clc> (Resource page)

The Beckmann Rearrangement

Reaction:



Mechanism:



This reaction is the transformation of a ketoxime (an oxime from a ketone) into an amide. If the amide is cyclic it's called a lactam. This process is important in the synthesis of nylon. The treatment of the oxime derivative of cyclohexanone results in caprolactam. This compound is precursor of nylon.