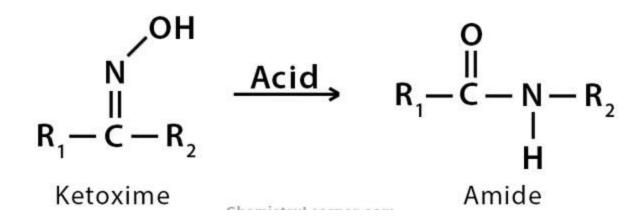
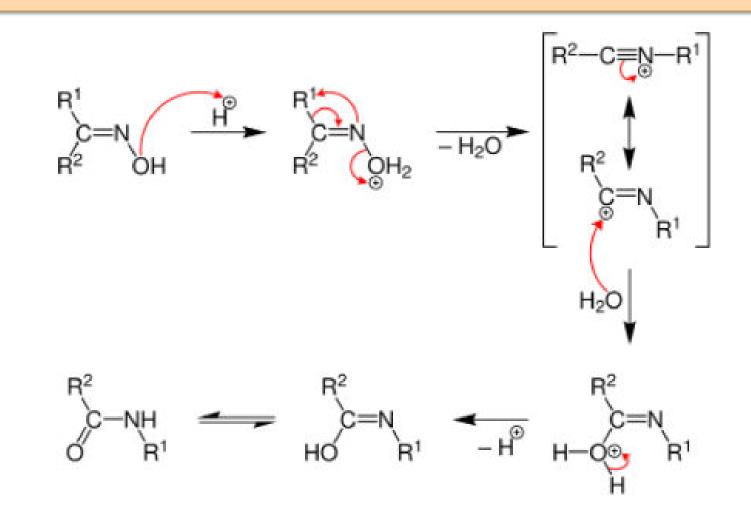
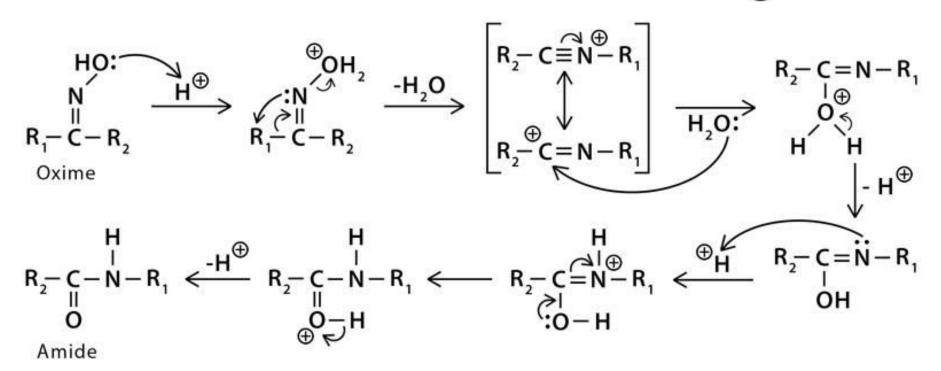
BECKMANN REARRANGEMENT

- It is a chemical process in which ketoxime is converted into secondary amide
- This takes place in the presence of concentrated H₂SO₄ and PCl₅
- PCl₅ is an electrophile species
- First the product is formed in enol form then converted into keto form to maintain stability





Mechanism of Beckmann Rearrangement



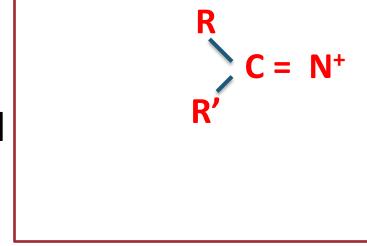
- First the OH⁻ and H⁺ combine to form H₂O
- H₂O gets removed
- Later the compound is highly unstable as N is

carrying positive charge

- So R' gets attached to N⁺
- this compound gets attacked

by H₂O

enol form is obtained



 The enol form is converted into keto form and stable secondary amide is obtained