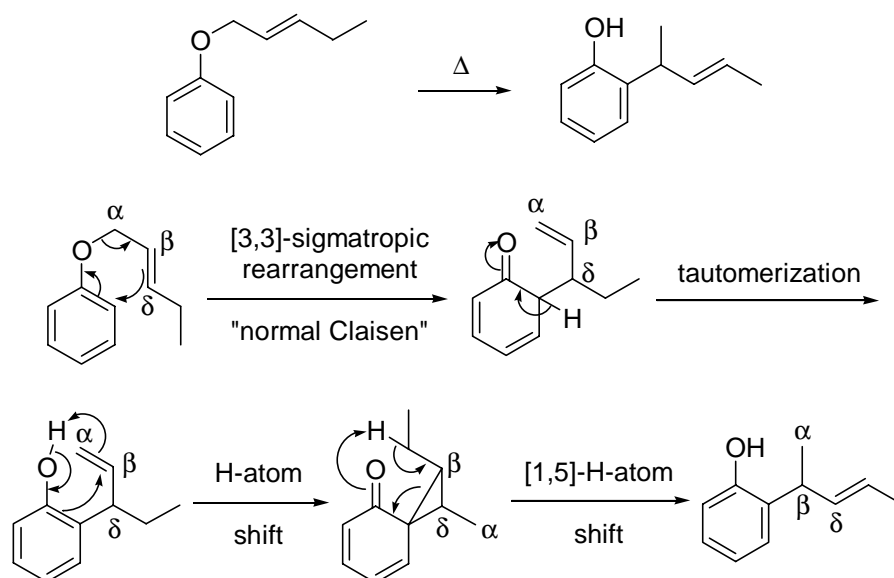


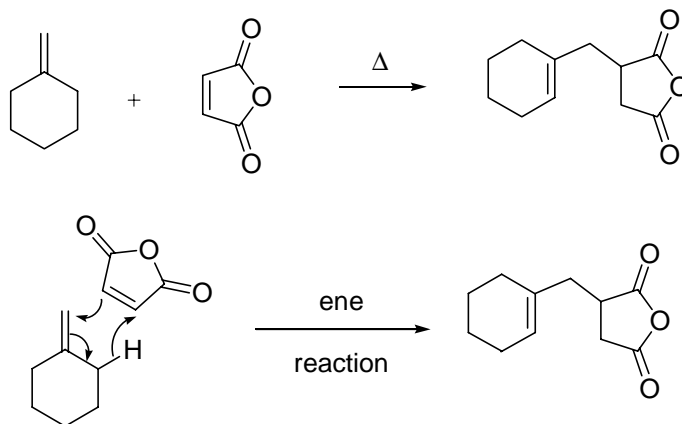
## Abnormal Claisen rearrangement

Further rearrangement of the normal Claisen rearrangement product with the  $\beta$ -carbon becoming attached to the ring.



## References

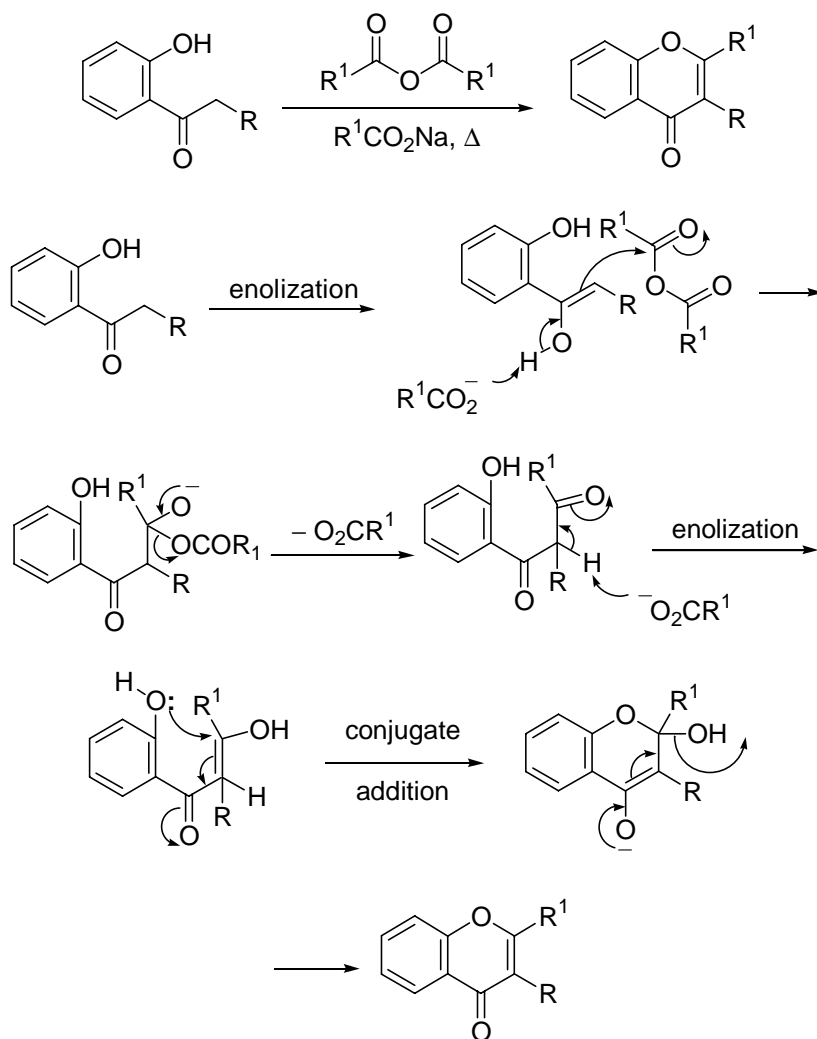
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## Allan–Robinson reaction

Synthesis of flavones or isoflavones.

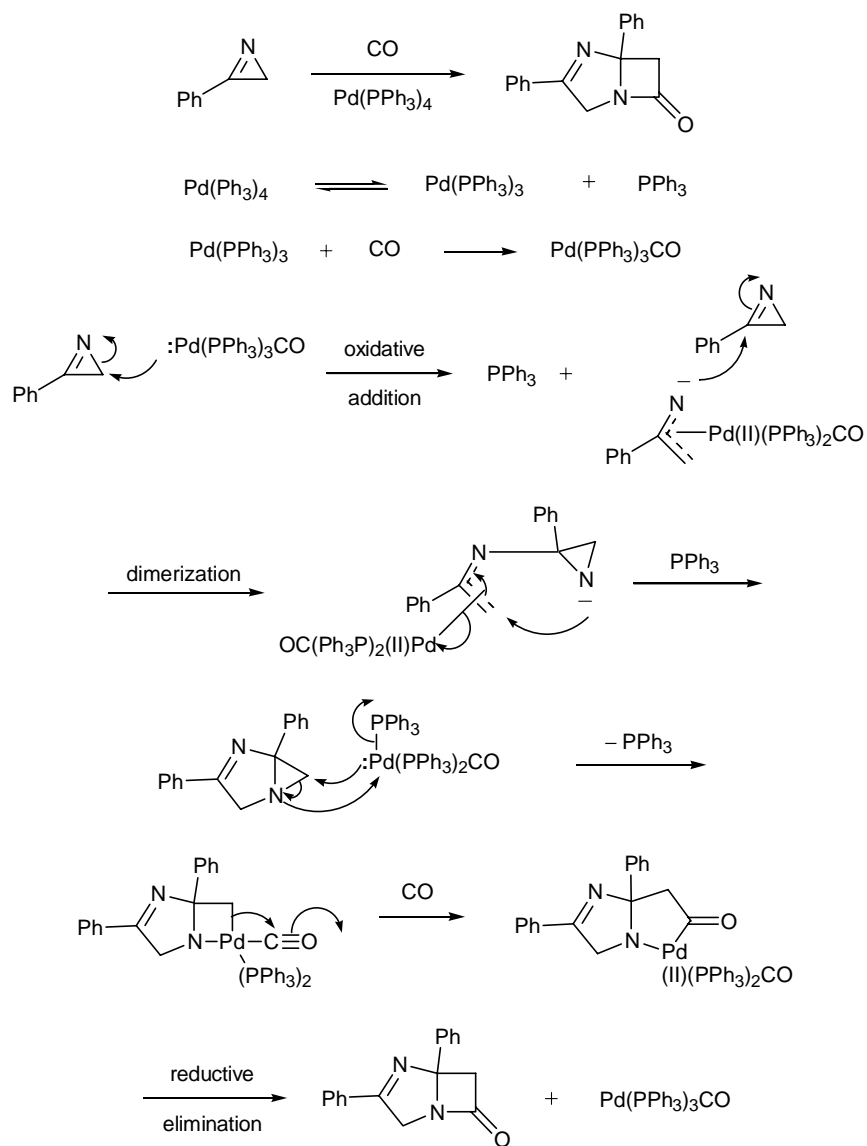


## References

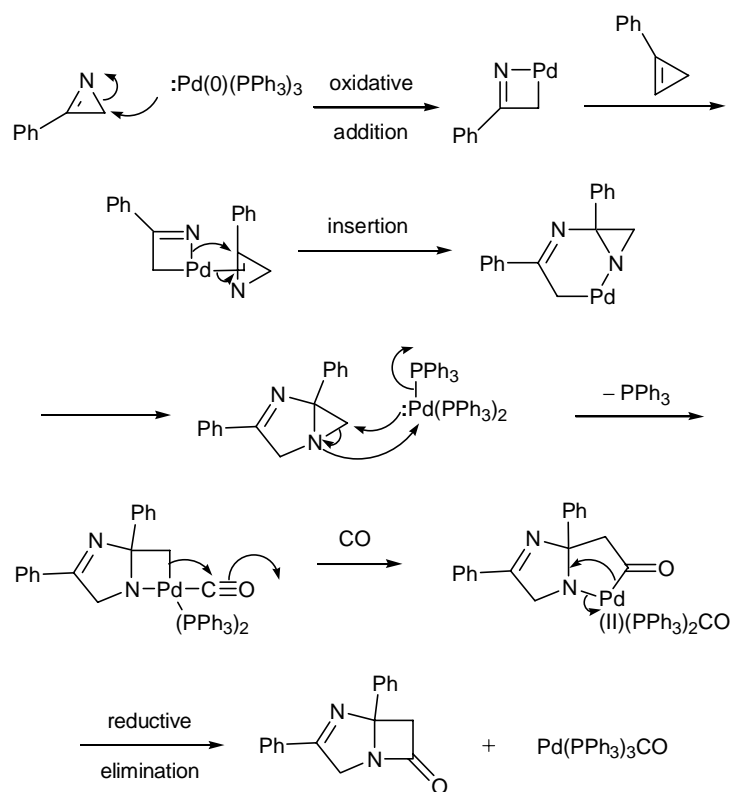
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## Alper carbonylation



An alternative mechanism:

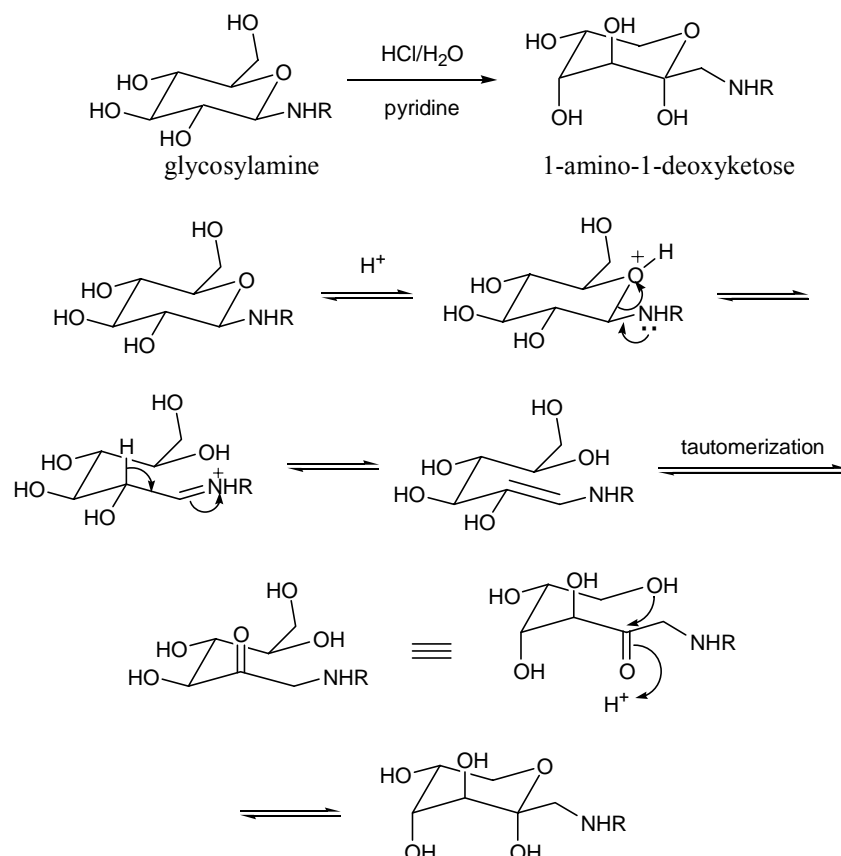


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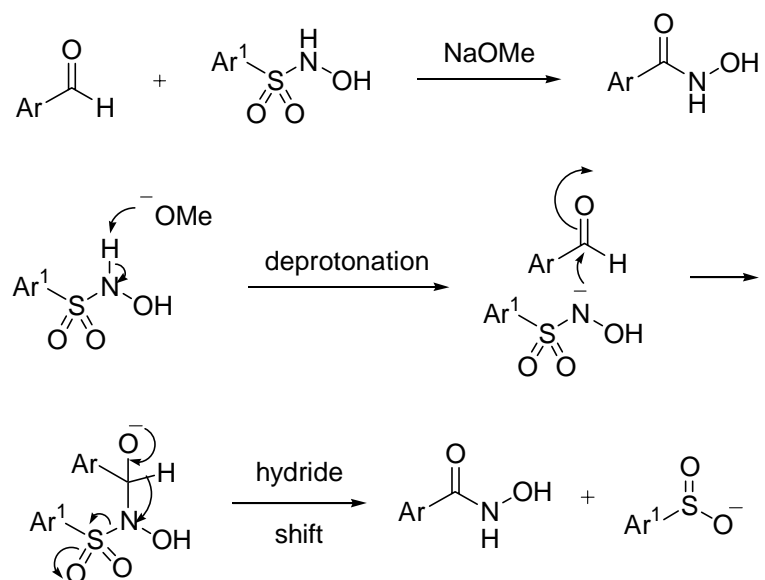
## Amadori glucosamine rearrangement

Transformation of an aldose to a ketose using an amine.



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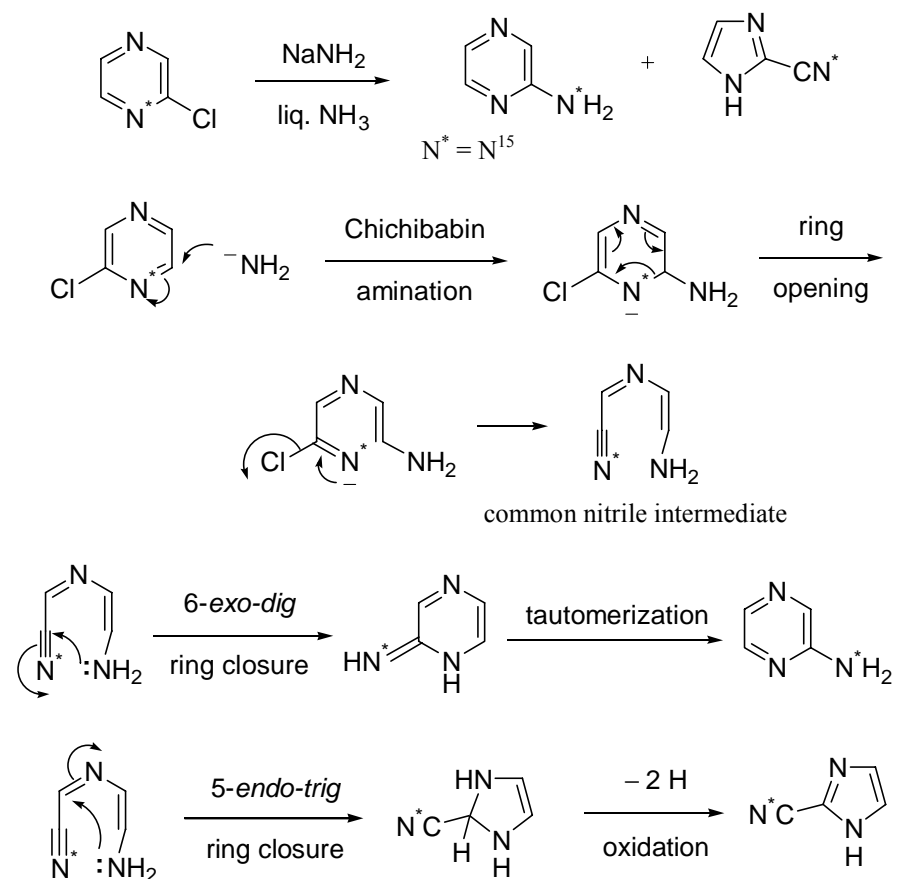
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## ANRORC mechanism

Addition of Nucleophiles, Ring Opening and Ring Closure.

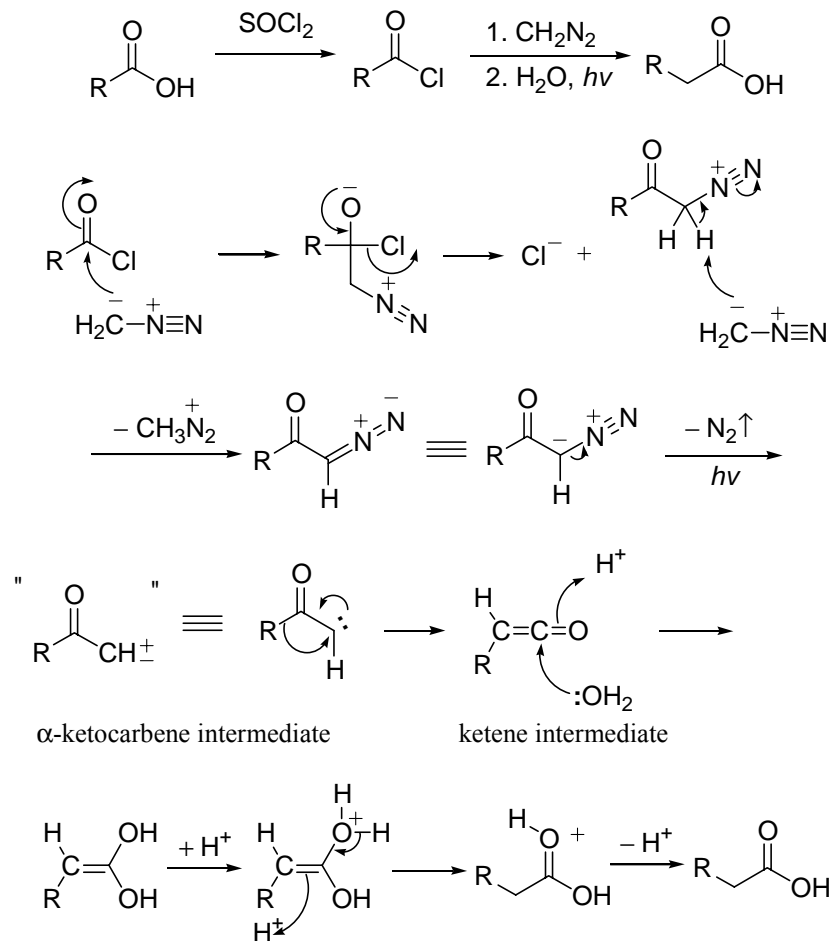


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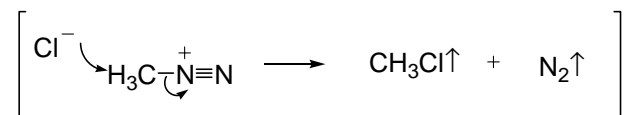
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### Arndt–Eistert homologation

One carbon homologation of carboxylic acids using diazomethane.



side reaction:



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