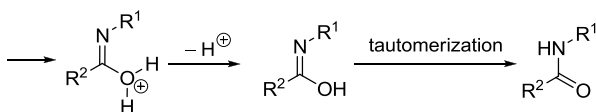
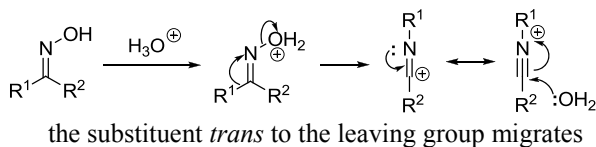
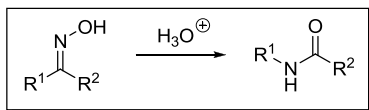


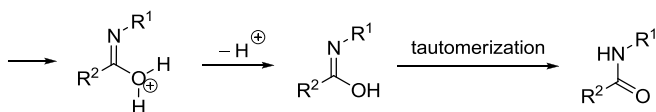
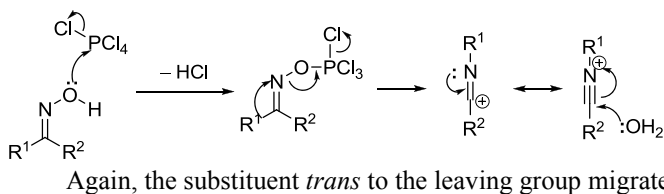
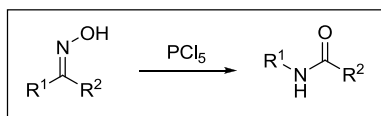
Beckmann rearrangement

Acid-mediated isomerization of oximes to amides.

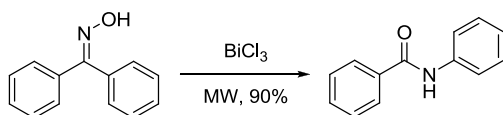
In protic acid:

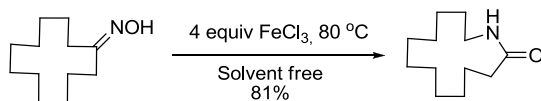
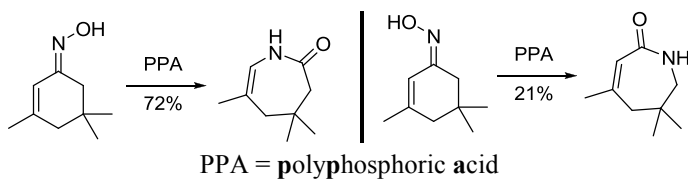
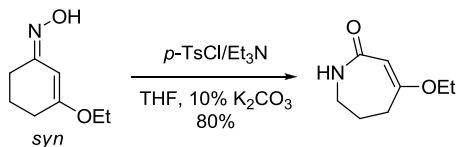


With PCl_5 :

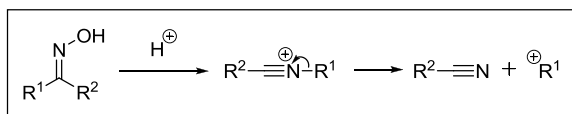
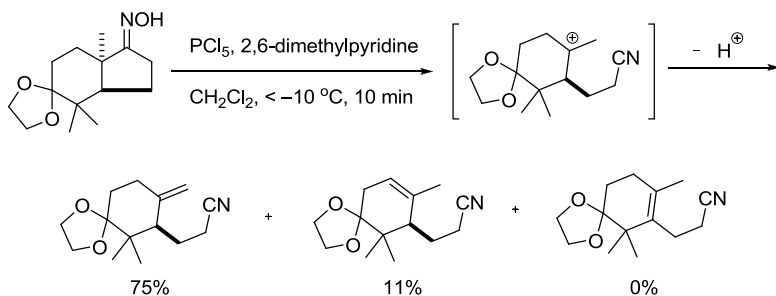


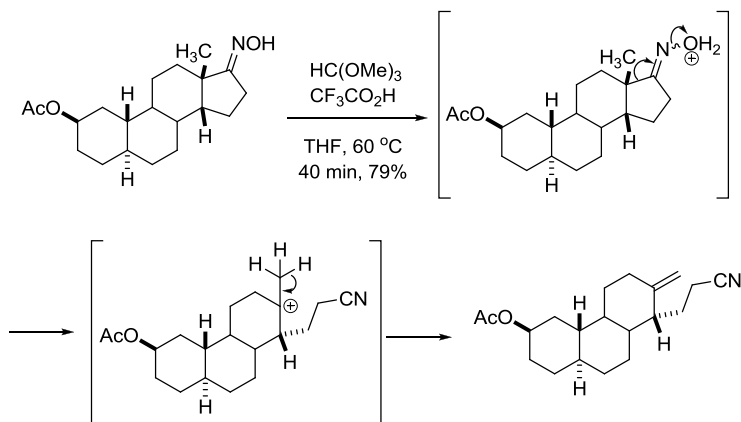
Example 1, Microwave (MW) reaction³



Example 2⁴Example 3⁶Example 4⁸

Abnormal Beckmann rearrangement is when the migrating fragment (e.g., R^1) departs from the intermediate, leaving a nitrile as a stable product.

Example 1⁹

Example 2¹⁰

References

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