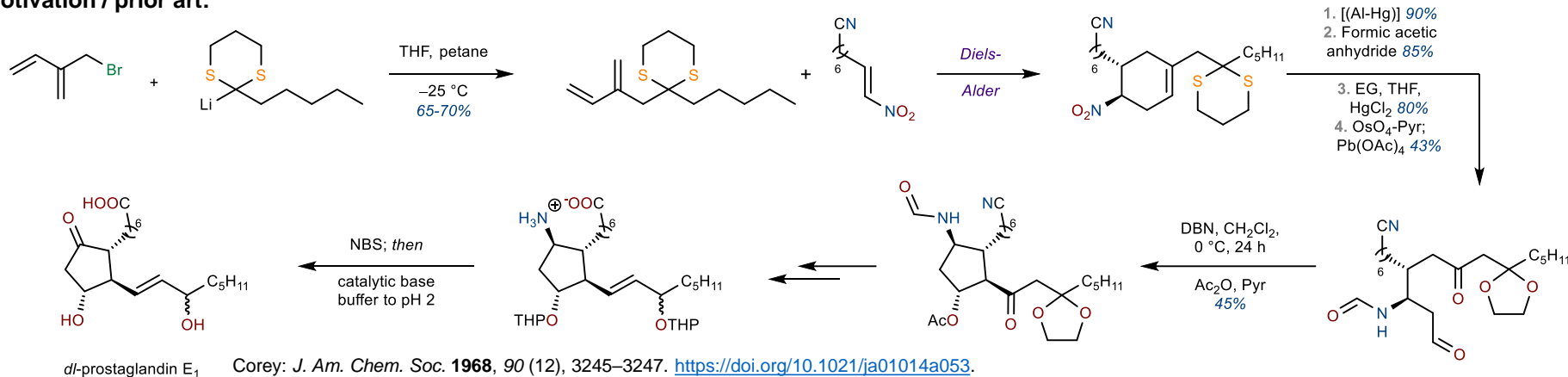
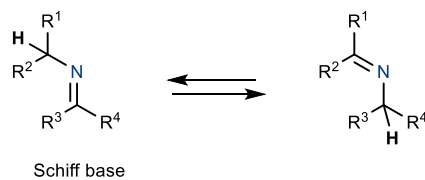


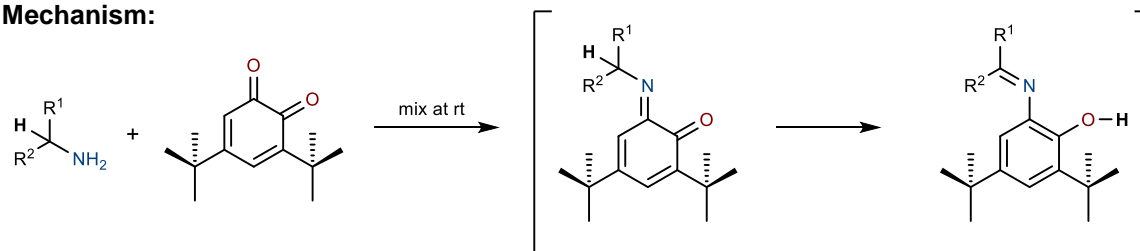
Motivation / prior art:



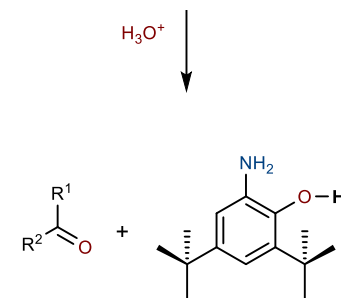
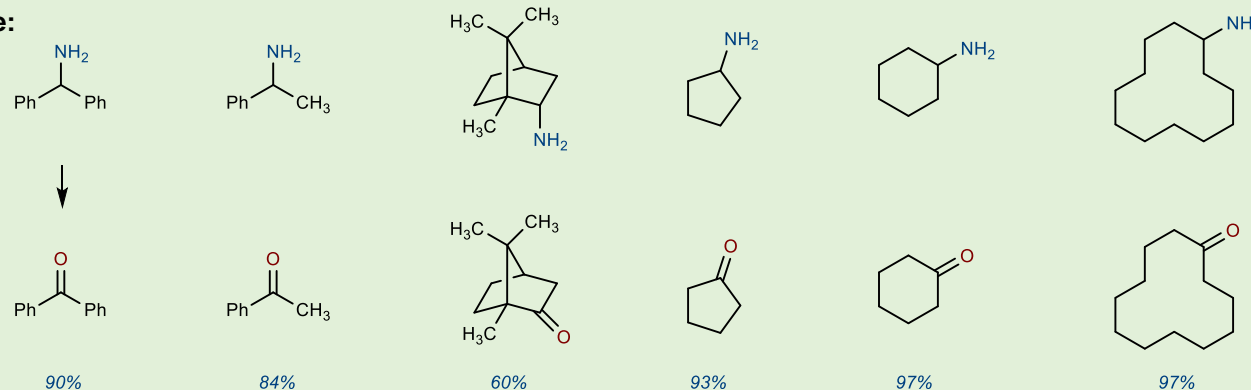
Biomemetic inspiration:



Mechanism:

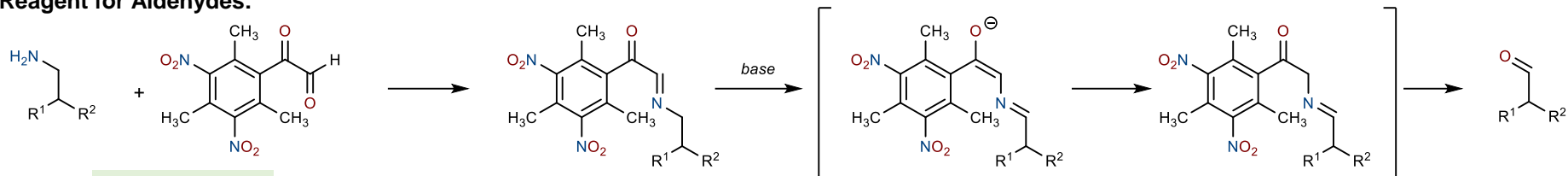


Scope:



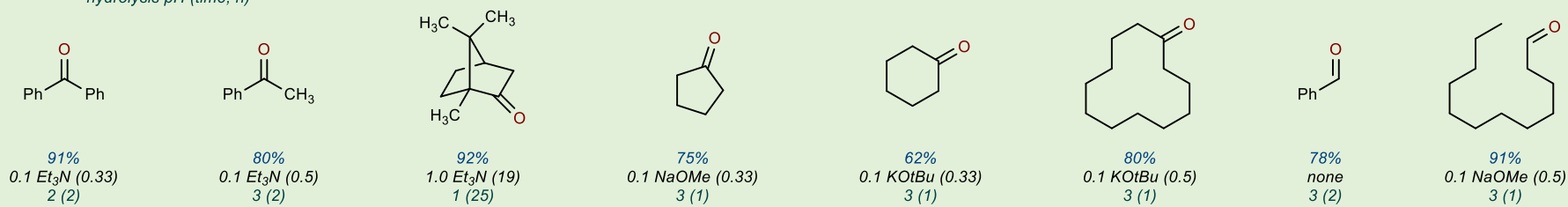
Corey: *J. Am. Chem. Soc.* **1969**, 91, 1429.
<https://pubs.acs.org/doi/10.1021/ja01034a027>

Reagent for Aldehydes:

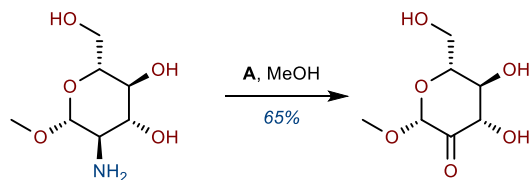


yield from amine
eq of base (time, h)
hydrolysis pH (time, h)

Corey: *J. Am. Chem. Soc.* **1969**, 91, 1429. <https://pubs.acs.org/doi/10.1021/ja01034a027>

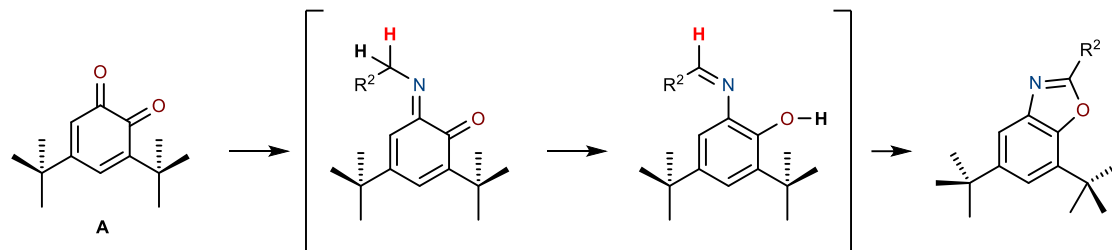


Applications:

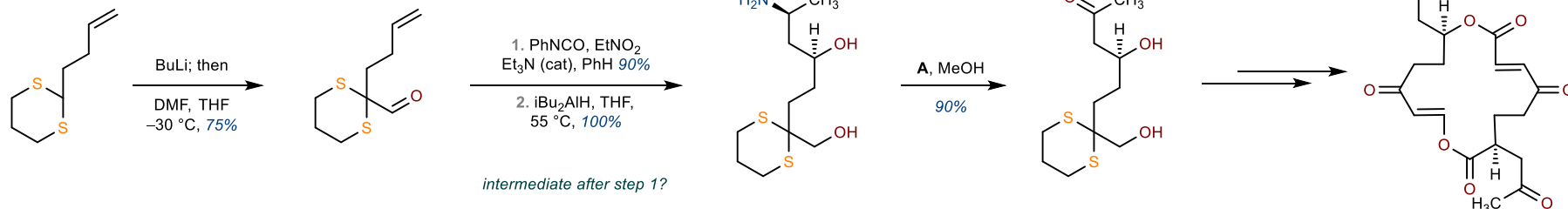


Lengstad & Lönngren *Carbohydrate Research* **1979**, 72, 312–314.
[https://doi.org/10.1016/S0008-6215\(00\)83957-9](https://doi.org/10.1016/S0008-6215(00)83957-9)

Aldehyde Limitation:

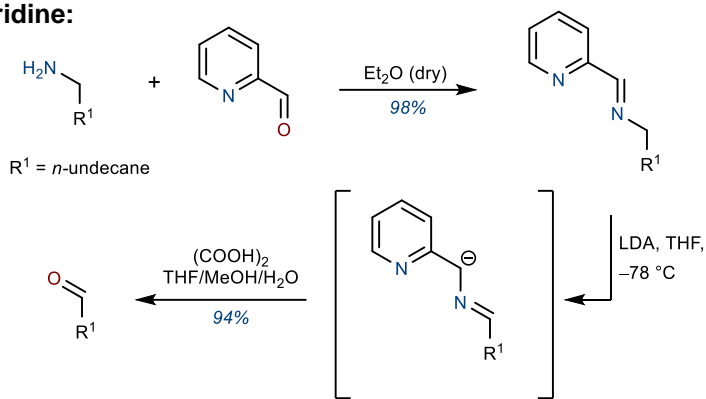


Corey: *J. Am. Chem. Soc.* **1969**, 91, 1429. <https://pubs.acs.org/doi/10.1021/ja01034a027>



Burri. *J. Am. Chem. Soc.* **1978**, 100 (22), 7069–7071. <https://doi.org/10.1021/ja00490a052>

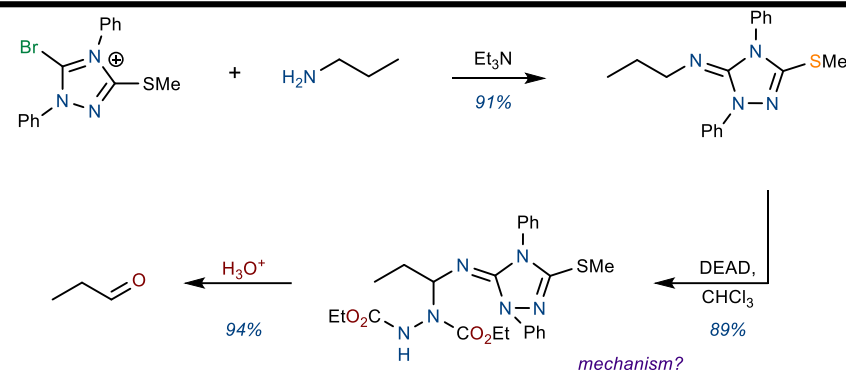
Pyridine:



Babler: *J. Org. Chem.* **1981**, *46*, 1937.

<https://pubs.acs.org/doi/abs/10.1021/jo00322a046>

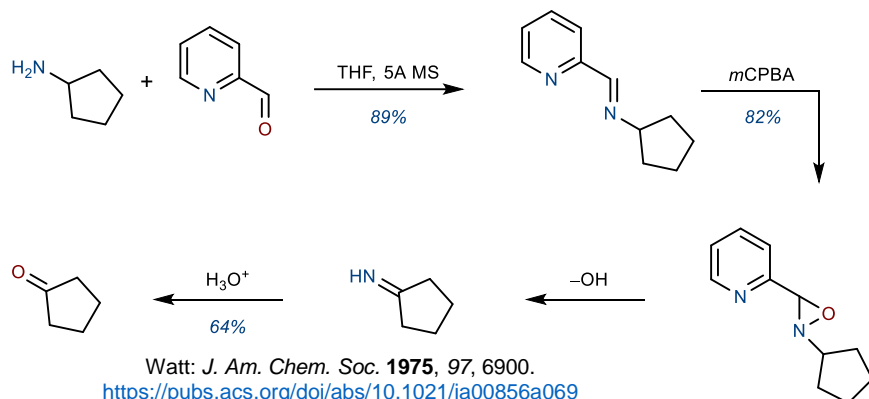
Triazolium:



Doleschall: *Tetrahedron Letters* **1978**, *19* (24), 2131–2132.

[https://doi.org/10.1016/S0040-4039\(01\)94769-0](https://doi.org/10.1016/S0040-4039(01)94769-0)

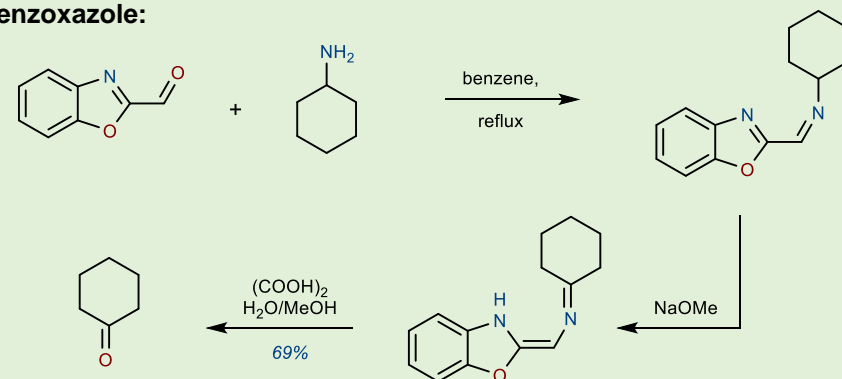
Oxaziridine:



Watt: *J. Am. Chem. Soc.* **1975**, *97*, 6900.

<https://pubs.acs.org/doi/abs/10.1021/ja00856a069>

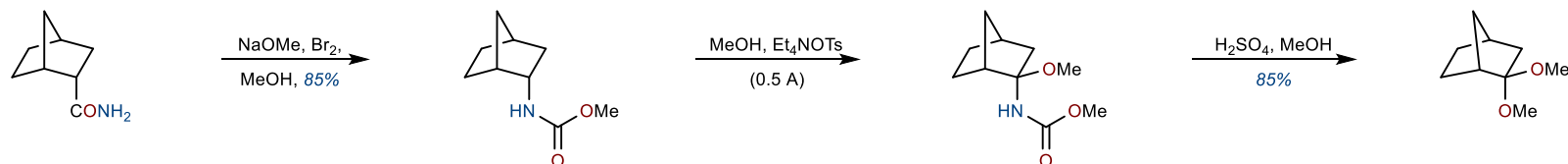
Benzoxazole:



Caló: *J. Chem. Soc., Perkin Trans. 1* **1972**, No. 0, 1652–

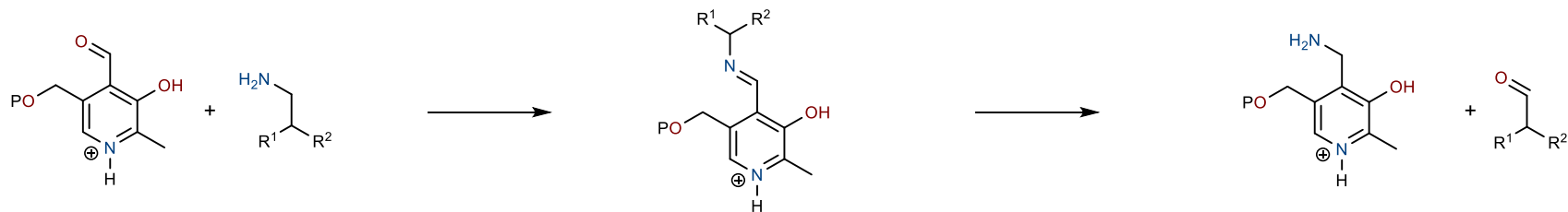
1653. <https://doi.org/10.1039/P19720001652>

Shono oxidation:

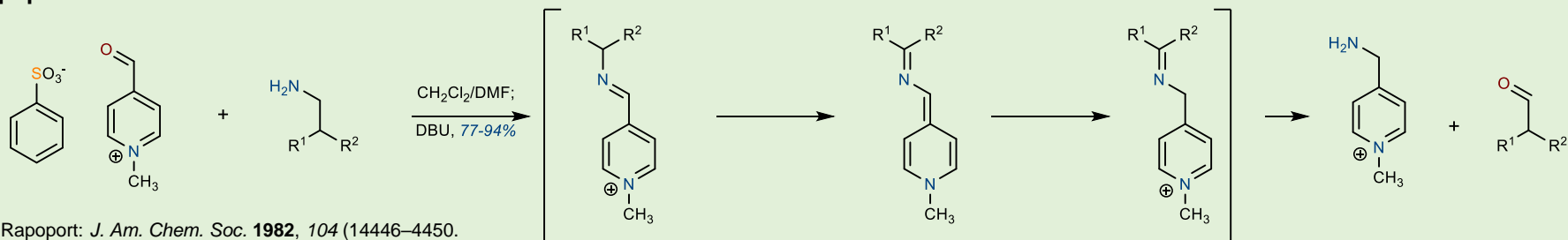


Shono: *J. Org. Chem.* **1983**, *48*, 3338. <https://pubs.acs.org/doi/abs/10.1021/jo00167a039>

Biosynthesis:

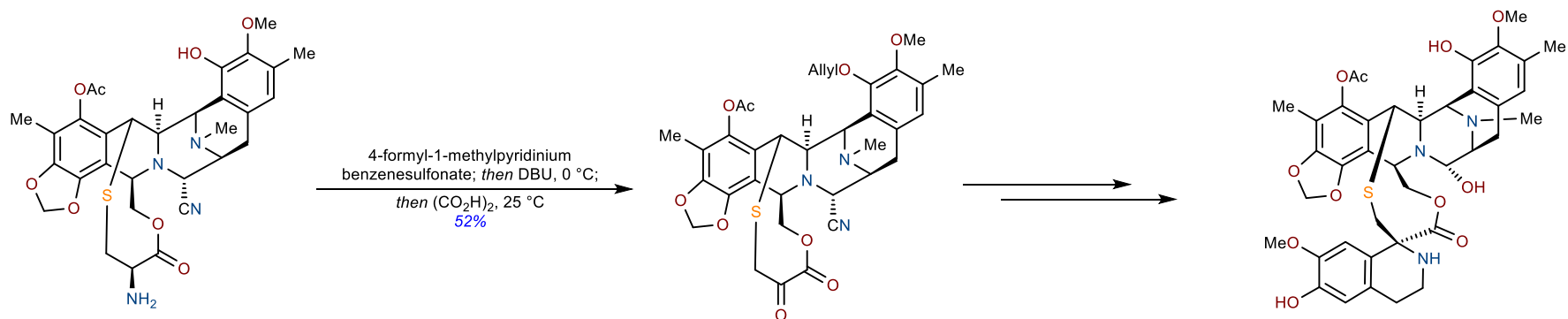


Rapoport:



Rapoport: *J. Am. Chem. Soc.* **1982**, *104* (14446–4450).
<https://doi.org/10.1021/ja00380a019>.

Application:



Angew. Chem. Int. Ed. **2019**, *58* (12), 3972–3975. <https://doi.org/10.1002/anie.201900035>.

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