

Chem 634

Dr. Fox

Literature References, Week 2

- **Stereochemistry of 1,2 additions to cyclic ketones: Review**
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- **Intermediacy of aldehyde hydrates in the CrO₃ oxidation to carboxylic acids in aqueous media:**
Rocek, J.; Ng, C.-S. Chromium(IV) oxidation of aliphatic aldehydes. *J. Am. Chem. Soc.* **1974**, *96*, 1522-1529.

- **Dess Martin Reagent:**

Dess, D. B.; Martin, J. C. A useful 12-I-5 triacetoxyperiodinane (the Dess-Martin periodinane) for the selective oxidation of primary or secondary alcohols and a variety of related 12-I-5 species. *J. Am. Chem. Soc.* **1991**, *113*, 7277-7287.

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- **Swern oxidation**

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Tidwell, T. T. Oxidation of alcohols to carbonyl compounds via alkoxy-sulfonium ylides: The Moffatt, Swern and related reactions. *Org. React. (N.Y.)* **1990**, *39*, 297.

- **Allylic alcohol oxidation with MnO₂**

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- **Oppenauer Oxidation (Meerwein-Ponndorf-Verley Reduction)**

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Meerwein-Ponndorf-Verley Reductions And Oppenauer Oxidations - An Integrated Approach. *Synthesis* **1994**, 1007-1017.

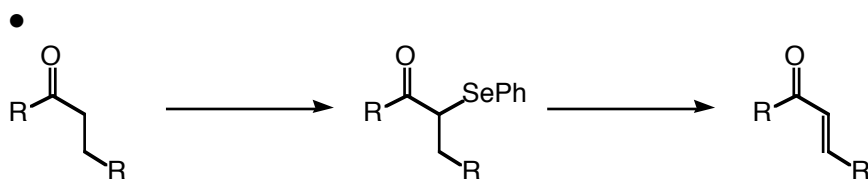
- **Baeyer-Villiger Reaction**

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Renz, M.; Meunier, B. 100 years of Baeyer-Villiger oxidations. *Eur. J. Org. Chem.* **1999**, 737-750.

- **SeO₂ allylic oxidation**

Bulman Page, P. C.; McCarthy, T. J. *Oxidation Adjacent to C=C Bonds*. In *Comprehensive Organic Synthesis*; Trost, B. M., Fleming, I., Eds.; Pergamon Press: Oxford, 1991; Vol. 7, p 83.



Sharpless, K. B.; Lauer, R. F.; Teranishi, A. Y. Electrophilic and Nucleophilic Organoselenium Reagents. New routes to α,β -unsaturated Carbonyl Compounds. *J. Am. Chem. Soc.* **1973**, *95*, 6137-6139.