

**M.Sc. Semester-IV
Core Course-9 (CC-9)
Synthetic Organic Chemistry**

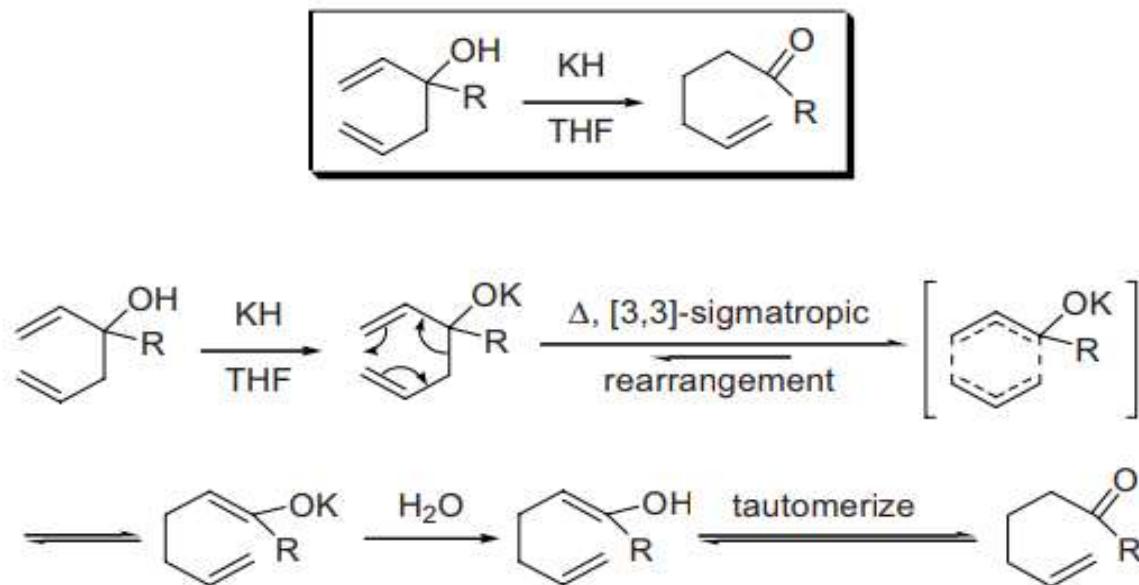


**II. Pericyclic Reactions
17. Anionic Oxy-Cope Rearrangement**

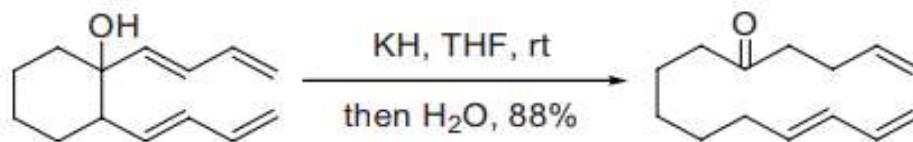


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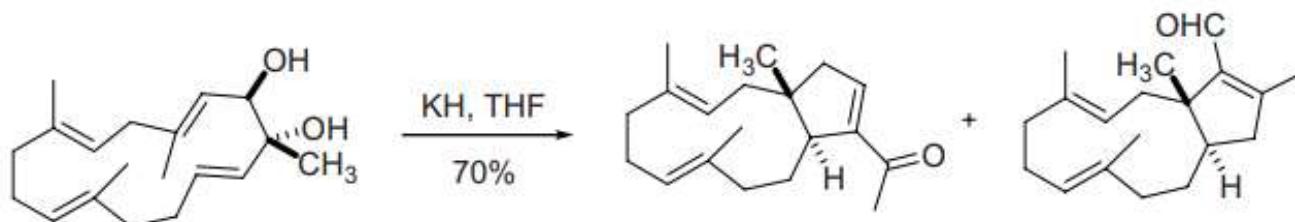
Anionic oxy-Cope rearrangement



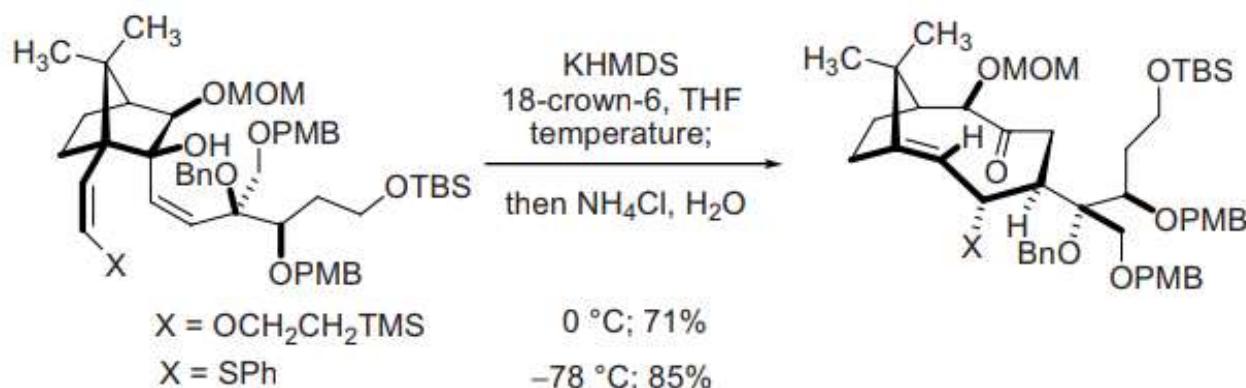
Example 1¹

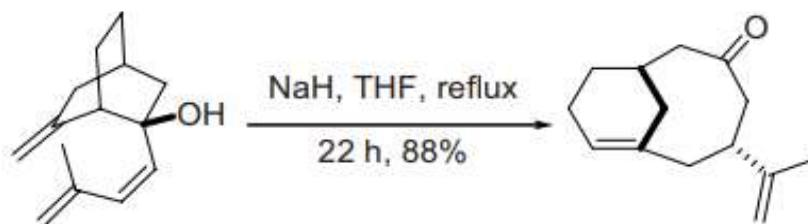
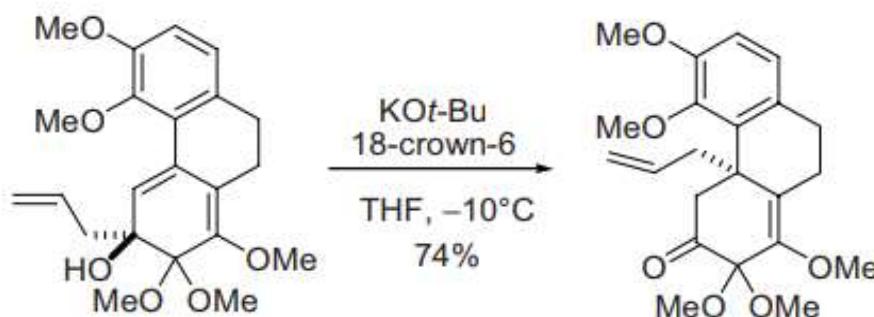


Example 2⁴



Example 3⁵



Example 4⁸Example 5⁹

References

- Wender, P. A.; Sieburth, S. M.; Petraitis, J. J.; Singh, S. K. *Tetrahedron* **1981**, *37*, 3967–3975.
- Wender, P. A.; Ternansky, R. J.; Sieburth, S. M. *Tetrahedron Lett.* **1985**, *26*, 4319–4322.
- Paquette, L. A. *Tetrahedron* **1997**, *53*, 13971–14020. (Review).
- Corey, E. J.; Kania, R. S. *Tetrahedron Lett.* **1998**, *39*, 741–744.
- Paquette, L. A.; Reddy, Y. R.; Haeffner, F.; Houk, K. N. *J. Am. Chem. Soc.* **2000**, *122*, 740–741.
- Voigt, B.; Wartchow, R.; Butenschon, H. *Eur. J. Org. Chem.* **2001**, 2519–2527.
- Hashimoto, H.; Jin, T.; Karikomi, M.; Seki, K.; Haga, K.; Uyehara, T. *Tetrahedron Lett.* **2002**, *43*, 3633–3636.
- Gentic, L.; Hanna, I.; Huboux, A.; Zaghdoudi, R. *Org. Lett.* **2003**, *5*, 3631–3634.
- Jones, S. B.; He, L.; Castle, S. L. *Org. Lett.* **2006**, *8*, 3757–3760.
- Mullins, R. J.; McCracken, K. W. *Cope and Related Rearrangements. In Name Reactions for Homologations-Part II*; Li, J. J., Corey, E. J., Eds.; Wiley & Sons: Hoboken, NJ, **2009**, pp 88–135. (Review).