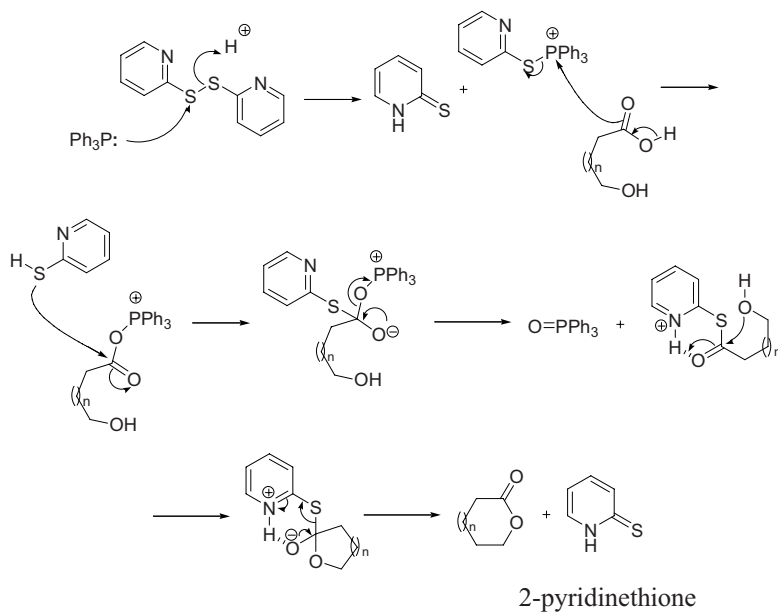
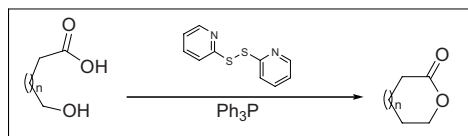
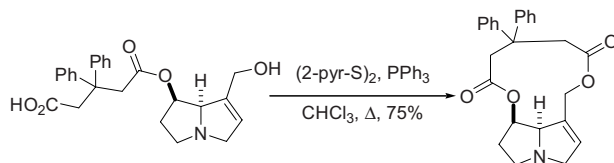


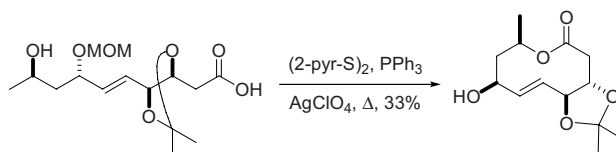
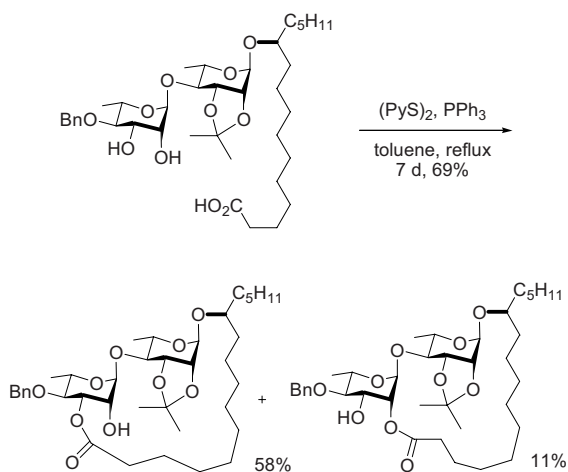
Corey–Nicolaou macrolactonization

Macrolactonization of ω -hydroxy-acid using 2,2'-dipyridyl disulfide. Also known as the Corey–Nicolaou double activation method.



Example 1³



Example 2⁶Example 3⁹

References

1. Corey, E. J.; Nicolaou, K. C. *J. Am. Chem. Soc.* **1974**, *96*, 5614–5616.
2. Nicolaou, K. C. *Tetrahedron* **1977**, *33*, 683–710. (Review).
3. Devlin, J. A.; Robins, D. J.; Sakdarat, S. *J. Chem. Soc., Perkin Trans. 1* **1982**, 1117–1121.
4. Barbour, R. H.; Robins, D. J. *J. Chem. Soc., Perkin Trans. 1* **1985**, 2475–2478.
5. Barbour, R. H.; Robins, D. J. *J. Chem. Soc., Perkin Trans. 1* **1988**, 1169–1172.
6. Andrus, M. B.; Shih, T.-L. *J. Org. Chem.* **1996**, *61*, 8780–8785.
7. Lu, S.-F.; O'yang, Q. Q.; Guo, Z.-W.; Yu, B.; Hui, Y.-Z. *J. Org. Chem.* **1997**, *62*, 8400–8405.
8. Sasaki, T.; Inoue, M.; Hiram, M. *Tetrahedron Lett.* **2001**, *42*, 5299–5303.
9. Zhu, X.-M.; He, L.-L.; Yang, G.-L.; Lei, M.; Chen, S.-S.; Yang, J.-S. *Synlett* **2006**, 3510–3512.