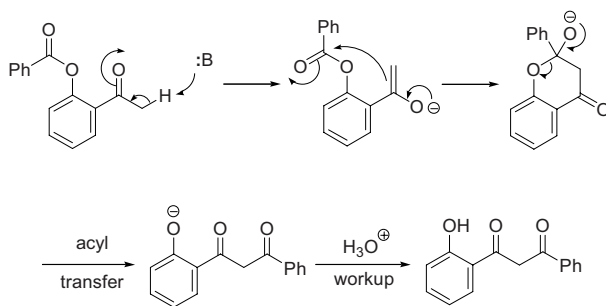
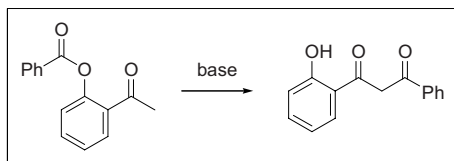
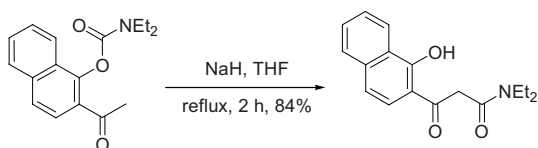


Baker–Venkataraman rearrangement

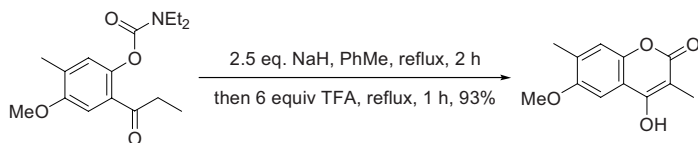
Base-catalyzed acyl transfer reaction that converts α -acyloxyketones to β -diketones.

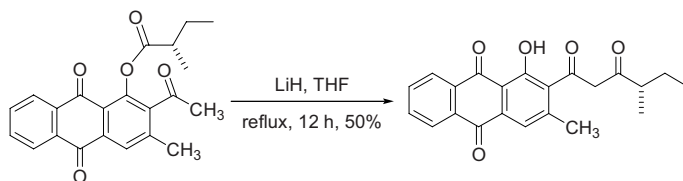
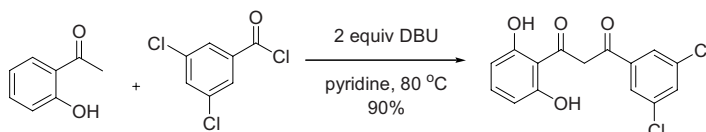


Example 1, Carbamoyl Baker–Venkataraman rearrangement⁵



Example 2, Carbamoyl Baker–Venkataraman rearrangement⁶



Example 3, Ester Baker–Venkataraman rearrangement⁹Example 4, Ester Baker–Venkataraman rearrangement¹⁰

References

1. Baker, W. J. *Chem. Soc.* **1933**, 1381–1389. Wilson Baker (1900–2002) was born in Runcorn, England. He studied chemistry at Manchester under Arthur Lapworth and at Oxford under Robinson. In 1943, Baker was the first one who confirmed that penicillin contained sulfur, of which Robinson commented: “This is a feather in your cap, Baker.” Baker began his independent academic career at University of Bristol. He retired in 1965 as the Head of the School of Chemistry. Baker was a well-known chemist centenarian, spending 47 years in retirement!
2. Mahal, H. S.; Venkataraman, K. *J. Chem. Soc.* **1934**, 1767–1771. K. Venkataraman studied under Robert Robinson Manchester. He returned to India and later arose to be the Director of the National Chemical Laboratory at Poona.
3. Kraus, G. A.; Fulton, B. S.; Wood, S. H. *J. Org. Chem.* **1984**, *49*, 3212–3214.
4. Reddy, B. P.; Krupadanam, G. L. D. *J. Heterocycl. Chem.* **1996**, *33*, 1561–1565.
5. Kalinin, A. V.; da Silva, A. J. M.; Lopes, C. C.; Lopes, R. S. C.; Snieckus, V. *Tetrahedron Lett.* **1998**, *39*, 4995–4998.
6. Kalinin, A. V.; Snieckus, V. *Tetrahedron Lett.* **1998**, *39*, 4999–5002.
7. Thasana, N.; Ruchirawat, S. *Tetrahedron Lett.* **2002**, *43*, 4515–4517.
8. Santos, C. M. M.; Silva, A. M. S.; Cavaleiro, J. A. S. *Eur. J. Org. Chem.* **2003**, 4575–4585.
9. Krohn, K.; Vidal, A.; Vitz, J.; Westermann, B.; Abbas, M.; Green, I. *Tetrahedron: Asymmetry* **2006**, *17*, 3051–3057.
10. Abdel Ghani, S. B.; Weaver, L.; Zidan, Z. H.; Ali, H. M.; Keevil, C. W.; Brown, R. C. D. *Bioorg. Med. Chem. Lett.* **2008**, *18*, 518–522.