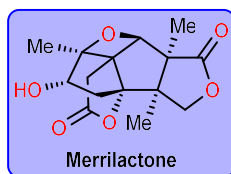
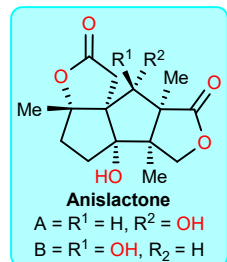


Anislactone: Fast Facts



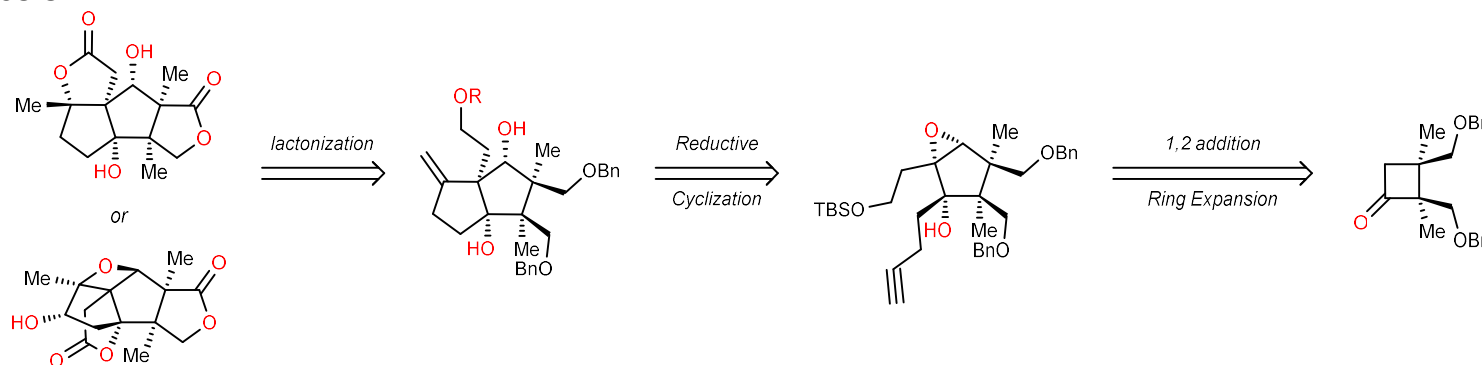
- A sesquiterpene lactone isolated from Japanese Star Anise (*Illicium anisatum*).¹⁻²
- Like many natural products in the *Illicium* family, Anislactone has neuroprotective effects.³
- Believed to be biogenetically related to Merrilactone.⁴
- Greaney reported the first synthesis of Anislactone B in 2010.⁵

1. Kouno, I. *Chem. Pharm. Bull.* **1990**, 38, 3060-63.
2. For more on the *Illicium* sesquiterpenes, see DGD's SOTW, 3/30/2018
3. Ye, Y. *J. Nat. Prod.* **2009**, 72, 238-242.
4. Fukuyama, Y. *Tetrahedron* **2001**, 57, 4691-4698
5. Greaney, M. F. *ACIE* **2010**, 49, 9250-9253.

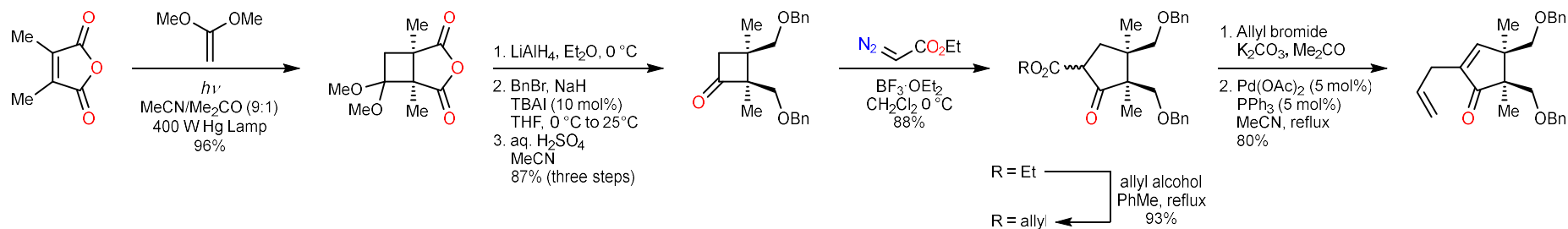


Japanese Star Anise

Retrosynthesis:



Synthesis of Cyclopentenone



Anislactone A (Greaney, 2010)

