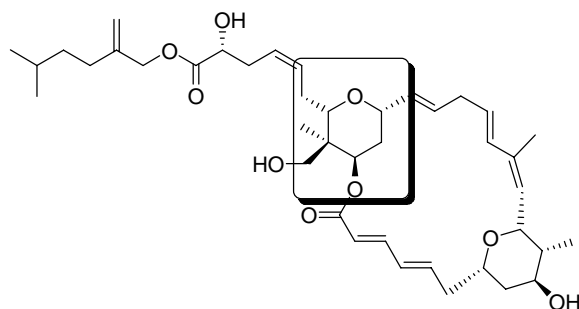


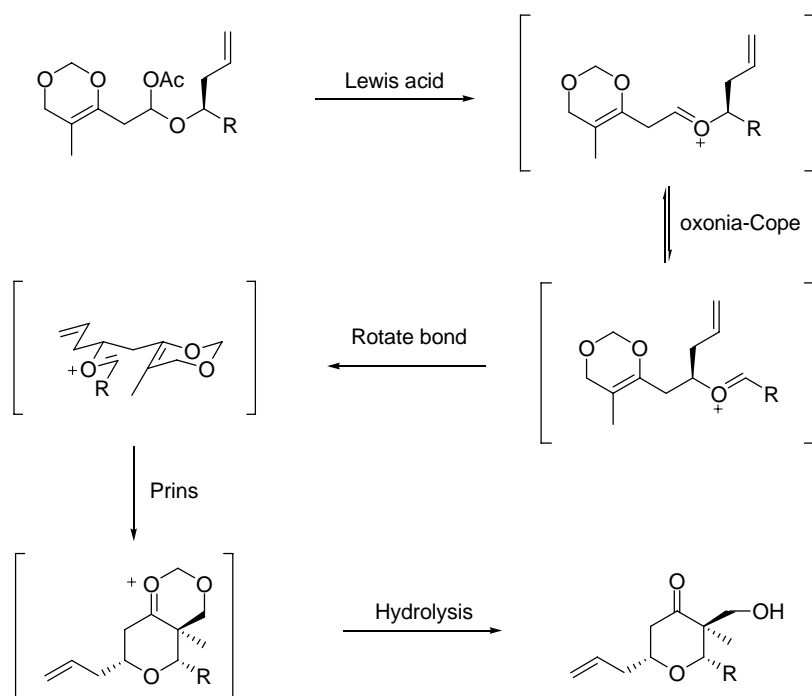
## Oxonia-Cope / Prins Cascade: Synthesis of Heavily Substituted Tetrahydropyrans

The Prins cyclisation and the oxonia-Cope rearrangement are two related processes which are initiated by an oxocarbenium ion and a tethered alkene.



lasanolide A

Their combination in a unique cascade reaction has recently been developed and has been used in an enantioselective synthesis of a segment of lasanolide A.



### References

- 1) Dalgard, J. E.; Rychnovsky, S. D. *Org. Lett.* **2005**, *7*, 1589.
- 2) Rychnovsky, S. D.; Marumoto, S.; Jaber, J. J. *Org. Lett.* **2001**, *3*, 3815.
- 3) Jasti, R.; Anderson, C. D.; Rychnovsky, S. D. *J. Am. Chem. Soc.* **2005**, *127*, 9939.
- 4) Jasti, R.; Rychnovsky, S. D. *Org. Lett.* **2006**, *8*, 2175.