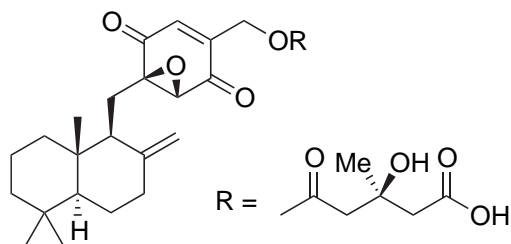


Heathcock-Trauner Group Meeting

Date: 09/04/01

Speaker: Chris Beaudry - Something Olde and Something New

✦ Molecule of the Week:

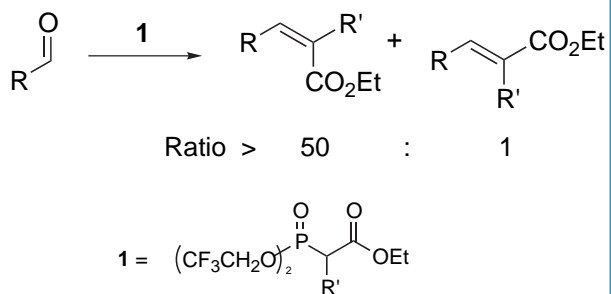


4'-oxomacrosporin D

immunosuppressive agent with decent selectivity for B-cells over T-cells; good immunosuppressive activities

See Fujimoto, et. al in *J. Nat. Prod.* ASAP

✦ Reaction of the Week:



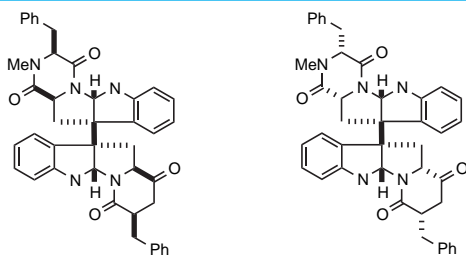
Still-Gennari version of the HWE reaction

Trifluoroethane substituent eliminates reversibility of carbonyl addition reaction forming the oxaphosphetane

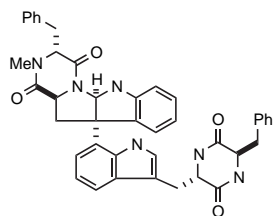
Excellent selectivity for the kinetic (*Z*) product

Still, W. C.; Gennari, C. *Tetrahedron Lett.* **1983**, 24, 4405.

✦ Syntheses of the Week:



Overman, L. E.; Paone, D. V. *JACS* ASAP.



Overman, L. E.; Govek, S. P. *JACS* ASAP.

✦ Problem of the Week:

- Give a retrosynthesis of the molecule of the week.
- Overachievers can trace out the biosynthesis of the indole alkaloids made by Overman.