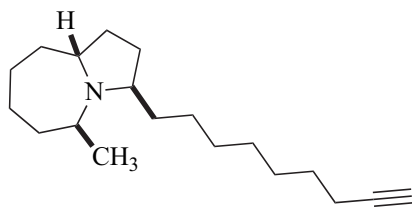


# Heathcock-Trauner Group Meeting

**Date:** Tuesday, March 27, 2001

**Speaker:** Steven Richards -- *Overview of Diabetes Research*

## Molecule of the Week:

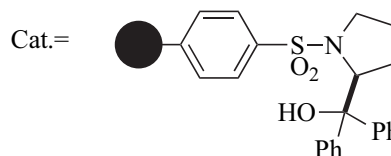
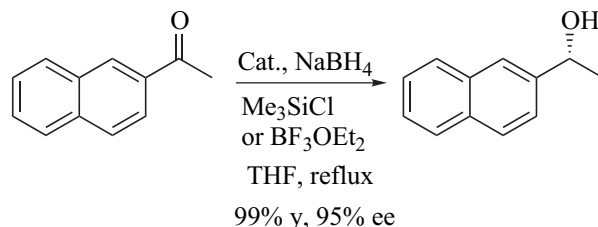


Alkaloid 275A

- Isolated from Columbian poison frog *Dendrobates lehmanni*
- Aza-bicyclic core structure unusual in natural products.
- Same core structure as *Stemona* alkaloids isolated from the *Stemona* family of Chinese herbs.

Garraffo, H.M. et al. *J. Nat. Prod.* ASAP.

## Reaction of the Week:

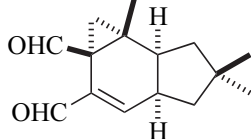


- works for aromatic ketones and aliphatic ketones (ee is lower).

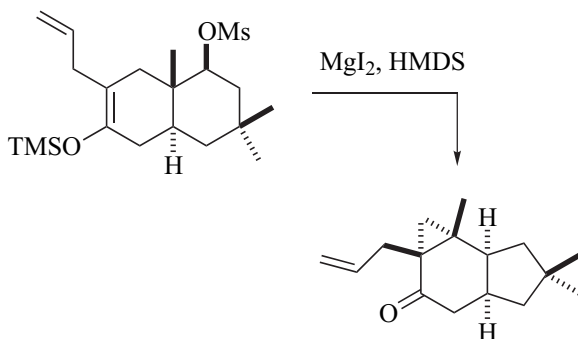
Zhao, G. et al. *Angew. Chem. Int. Ed.* **2001**, 1109.

## Synthesis of the Week:

(+)-Isovelleral



Key Step:



Wijnberg, J. et al. *J. Org. Chem.* ASAP.

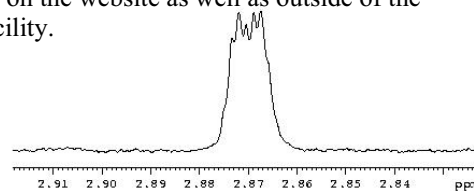
## Website of the Week:

Hogwash -- Resolution Enhancement

<http://calmarc3.cchem.berkeley.edu/apps/hogwash/hogwash.html>

This program improves the resolution of processed spectra. Using this technique, complex coupling patterns can be deconvoluted. See additional examples on the website as well as outside of the NMR Facility.

Normal



1H 5mm BBO PROBE 5/8/97 RII  
12/11/00: Hogwash parameters:  
Synthetic mask  
Mask width: 1.0 Hz  
Reconstruction line width: 0.2 Hz  
Loop gain: 0.03  
Threshold: 0.1

"Hogwashed"

