

Massachusetts Institute of Technology

Organic Chemistry 5.512

March 9, 2005

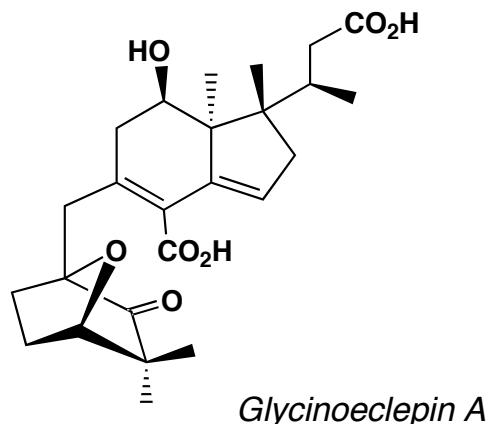
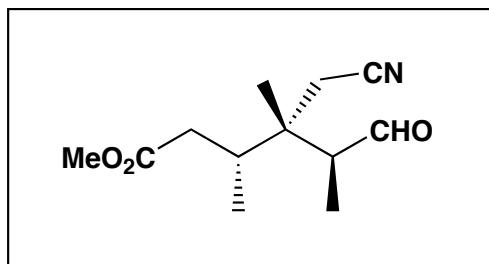
Prof. Rick L. Danheiser

Strategies for Stereocontrolled Synthesis

Case Study #1

Intermediate for the synthesis of
Glycinoeclepin A

R. L. Danheiser et al., unpublished



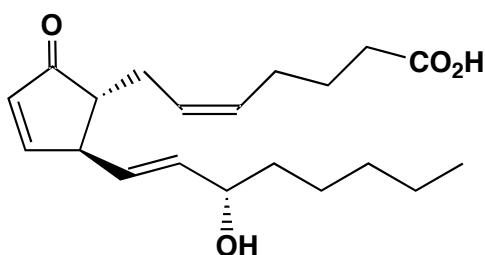
Case Study #2

Total Synthesis of Prostaglandins

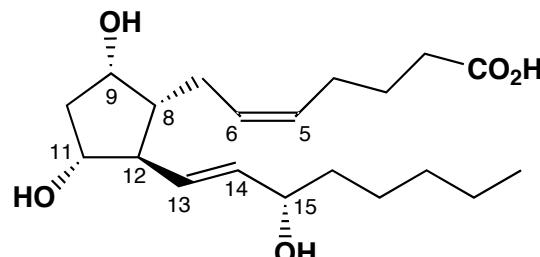
A Sweet Approach

G. Stork and S. Raucher *J. Am. Chem. Soc.* **1976**, *98*, 1583

G. Stork, T. Takahashi, I. Kawamoto, and T. Suzuki *J. Am. Chem. Soc.* **1978**, *100*, 8272



Prostaglandin A₂



Prostaglandin F_{2α}