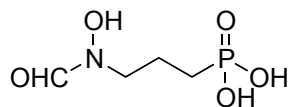


Trauner Group Meeting

Date: 3/27/03

Speaker: Chambers Hughes (Malaria).

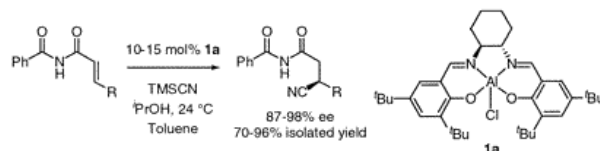
• Molecule of the Week:



fosmidomycin

• Reaction/Method of the Week:

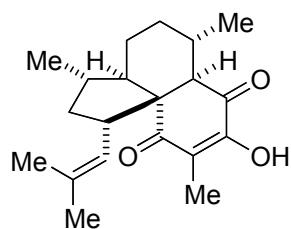
highly enantioselective, catalytic conjugate addition of cyanide to α,β -unsaturated imides:



(taken directly from the pdf-file)

G. M. Sammis, E. N. Jacobsen *J. Am. Chem. Soc.* **2003**, ASAP

• Synthesis of the Week:



elisabethin A

T. J. Heckrodt, J. Mulzer, *J. Am. Chem. Soc.* **2003**, ASAP

- a nice intramolecular Diels-Alder (IMDA) cyclization
- a palladium-catalyzed Negishi-Reformatsky coupling

• Problem (or Numbers) of the Week:

MOUTH: home to more than 200 bacterial species

STOMACH: contains few resident microorganisms

SMALL INTESTINE: concentrations of bacteria here are a mere 100 million/mL (500 million would fit in a teaspoon)

COLON: the home of the internal bacterial nation that thrives within each human being. Concentrations here can approach 100 billion/mL and includes 500-1000 species.

CELL NUMBERS

skin bacteria: one trillion cells

digestive system bacteria: 100 trillion cells

overall (nonbacterial): 10 trillion cells in the body

The New York Times, April 1 2003

• Future order: Jenn, G, Kolbot.