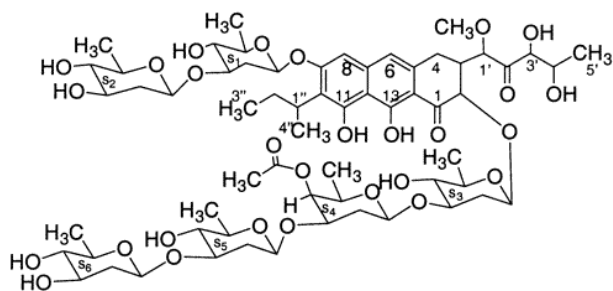


Trauner Group Meeting

Date: September 24, 2002

Speaker: Jennifer Barbarow (Development of a Novel Route to Glycosylamines).

• Molecule of the Week:

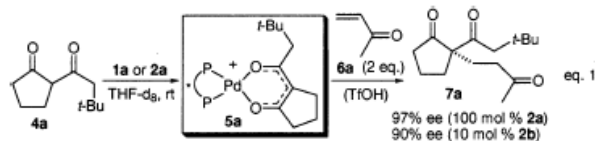


Durhamycin A

A potent inhibitor of Tat, a protein essential to the progression of HIV.
Jayasuriya et al. *J. Nat. Prod.* **2002**, 65, 1091.

• Reaction/Method of the Week:

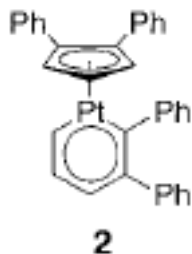
Direct Generation of Nucleophilic Chiral Palladium Enolate from 1,3-Dicarbonyl Compounds: Catalytic Enantioselective Michael Reaction with Enones



(taken directly from the pdf-file)

Y. Hamashima, D. Hotta, M. Sodeoka
J. Am. Chem. Soc. **2002**, 124, 11240.

• Synthesis of the Week:



Platinabenzene

V. Jacob et al, *Angew. Chem. Int. Ed.* **2002**, 41, 3470

-New platinum-carbon molecule
-Exhibits aromatic properties.

• Problem (or Numbers) of the Week:

Boltzmann constant:

$$k = 1.38 \times 10^{-23} \text{ JK}^{-1}$$

typical equilibrium membrane potential:

- 60 mV (negative inside !)

average urine production in man:

1 - 1,6 l/day

pK_a of $\text{DBU} \cdot \text{H}^+$: 24.3 (MeCN)

compare: pK_a of $\text{Me}_3\text{N} \cdot \text{H}^+$: 17.6 (MeCN)

• Future order: unknown.