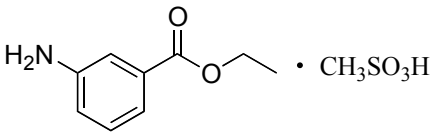
Trauner Group Meeting

Date: 11/18/04

Speaker: Matt Volgraf (Towards the Synthetic Optical Control of Glutamte Receptors)

• Molecule of the Week:

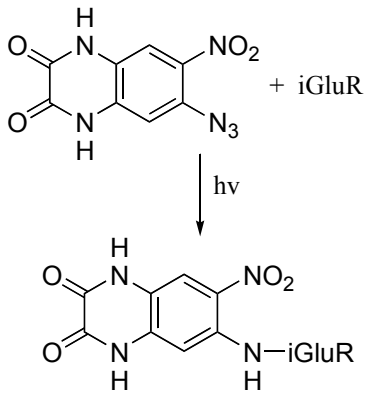


Tricaine
(Fish anaesthetic used during xenopus surgery)

J. Letcher, *Zoo Biol*. **11**, 243 (1992).

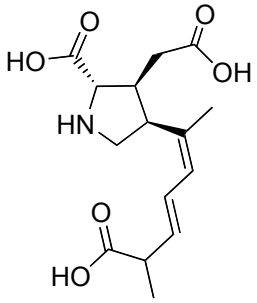
• Reaction/Method of the Week:

Photochemically knocking out ionotropic glutamate receptors *in vivo*



Pam England (UCSF)
J. Am. Chem. Soc. **2004**, *126*, 13886-13887

• Synthesis of the Week:



(-)-Domoic Acid

Y. Ohfune et al, *J. Am. Chem. Soc*. **1982**, 104, 3511

• Diels-Alder on unsaturated pyroglutamic acid
• Subsequent ozonolysis opens system to selective protection and Wittig
• Structure revision

• Problem (or Numbers) of the Week:

Eagles last win NFL Championship (Not even the Super Bowl): **1960**

Flyers last win Stanley Cup: **1975**

Phillies last win World Series: **1980**

Matt is born: **1981**

Sixers last win NBA Championship: **1983**

Times since 1983 Philadelphia teams have reached the finals and lost: **5**

Longest Championship drought, in years, by another major city (with the 4 major sports): **13 (Minneapolis)**

Matt's suffering: **infinite**

• Future order: Jim Dandy, retrosynthesis meeting, Jer Dandy.