

Chem 634 (Prof Fox)
Problem Set 6
Spring 2004

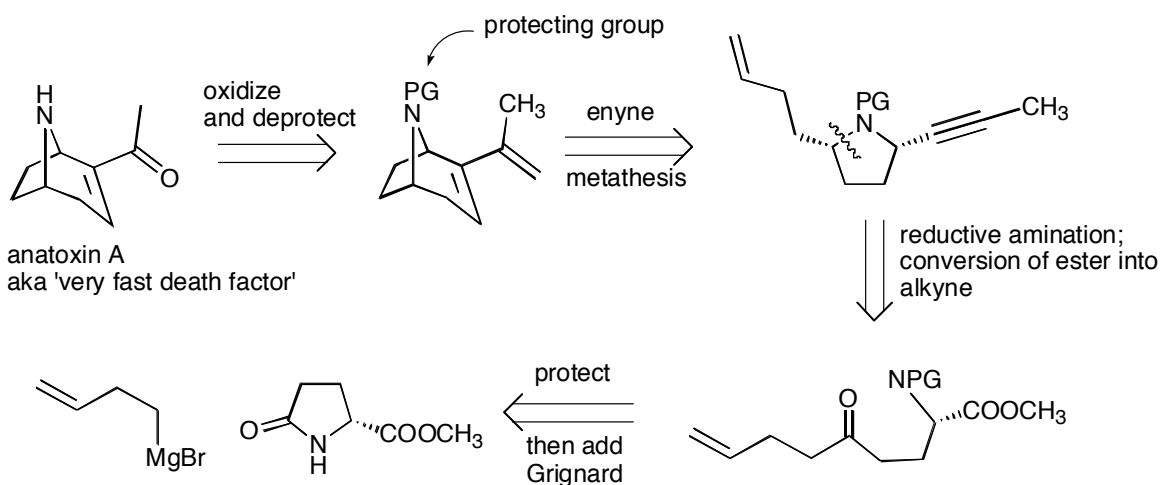
1. Find a total synthesis from the chemical literature that utilizes olefin metathesis as a key step. Cite the literature reference and the primary author.

e.g. S. F. Martin and coworkers, *Org. Lett.* **2004**, 6, 1329

In your NEATEST handwriting (or using chemdraw on a computer)

2. outline a retrosynthetic analysis

e.g.: Retrosynthesis for Anatoxin A (*Org. Lett.* **2004**, 6, 1329)



3. Show the forward synthesis that the authors actually followed.
4. explain any mechanisms that we have not discussed in class. Please see me on Monday if there are any mechanisms that you do not understand.

Turn in your assignments to me on Tuesday at noon. I will scan them and put them into a powerpoint presentation. You will give a 5-10 minute in class presentation on the synthesis at some point during the next 2 weeks.

JMF