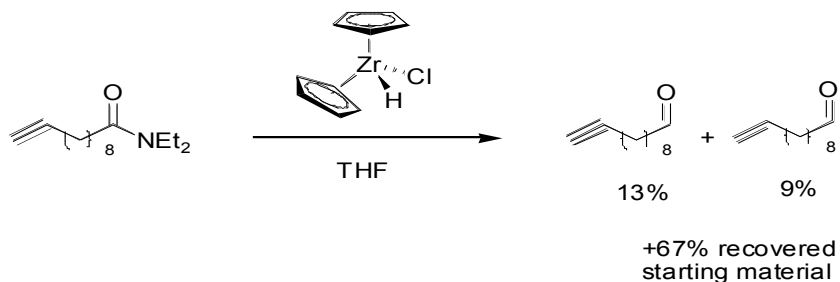


Questions:

1. In the paper I am presenting, Weinreb amides are effectively reduced to aldehydes with Schwartz's reagent. Provide a method and associated mechanism to generate a Weinreb amide.

2. Again, in the paper I am presenting, the following occurred:



Focusing only on the alkene produced, what happened and why? Provide the mechanism of the competing reaction.

3.

When alcohol **A** was subjected to the following reactions, **B** was formed (B. Schmidt, *Org. Lett.* **2000**, *2*, 791). Provide a structure for **B**, including stereochemistry.

