

Post-lab for Experiment 6

Name:

Date:

Lab day:

1. Draw the reaction (with all possible products) and mechanism for the reaction you performed.
2. Give the ratio of products, and explain how you came to this conclusion. In your explanation, you should:
 - Provide NMR data for important peaks in each authentic product, and provide a citation for the source. Do not use the ChemDraw simulator. It is unreliable.
 - Assign all peaks in your NMR spectrum
 - Explain how you used the assignments and integrations to determine the ratio of products.
3. Provide an explanation for the ratio you observed. You may have to consult the literature for an explanation.
4. Write a full experimental procedure for your experiment. You should follow the format on page three of the lab manual. You can also find additional examples in the Journal of Organic Chemistry. Keep in mind that even though you are writing in the past, passive voice, you must still use full sentences.