Guidelines for the CHE 4600 Research Paper and Presentation

The research paper (and your presentation to the class) should cover the background, discovery, development, synthesis and clinical trials, etc of your drug topic. It should be at least 2000 words, including structures and references. Single space text, but double space between paragraphs, 1" margins, and the pages must be numbered. If you don’t have access to chemdraw, or another drawing program, see me. However, figures are allowed as <copy & paste> option with proper references. Websites are not an acceptable form of referencing, and should be used very sparingly. Reference style should be as used in the ACS style. This paper rubric follows CHE 4500 paper guideline.


3. Introduction
   Briefly introduce your drug, and define the disease(s) your drug is used for, and how it works (enzyme inhibitor, etc)

4. Background and Significance
   a) Discuss the background and significance of the disease(s) your drug targets.
   b) Discuss the drugs that were previously used to treat this disease, leading up to and including the discovery of your drug.

5. Discussion
   a) Discuss the routes by which the drug was synthesized, or in the case of a natural product discovery, where it was isolated from initially and then later synthesized.
   b) Discuss the testing, in vitro and in vivo.
   c) Report on the clinical trials.
   d) Discuss any problems associated with your drug (toxicity, side effects, resistance, etc)
e) Discuss future directions for your drug or drugs that are presently being considered as replacements or in combination with your drug.

6. Conclusions

7. References