**Homework 1 - Molecules and Organic Nomenclature**

**Description:**

In this assignment, you will have the opportunity to practice and apply your nomenclature knowledge to a range of questions.

**Questions: Note to instructor: Below is a list of questions that are suitable for a homework assignment. You may select any number of question that you may feel is best suited for your class. This serves a guide and additional questions are welcome.**

1. **Name the functional groups appropriately**

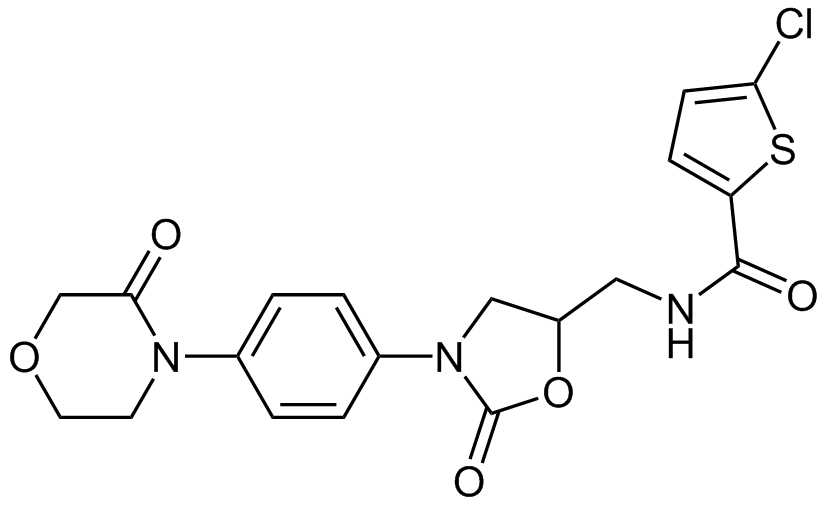


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1. **Draw out the correct functional group:**
   1. Alkene
   2. Alkyne
   3. Ketone
   4. Carboxylic Acid
   5. Ester
   6. Acid Anhydride
   7. Nitrile
   8. Amine
2. **Identify and label all functional groups in Rivaroxaban (Crestor).**



1. **Provide the correct names for the following compounds:**

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| --- | --- | --- | --- |
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|  |  |  | Hint: -OH would be a sidechain in this case and it’s called “hydroxyl” |
|  |  |  |  |