

SynMet assignment - 2021

Find a synthetic procedure either in the literature, from your own work or from your research group that employs synthetic methods that you find particularly interesting. It would be desirable if the procedure uses simple starting materials and proceeds in a high yield. Imagine that the procedure could be implemented in a lab course like *syntesekemiske metoder*. You now have two options for submitting your 'project' (reports have to be individual, A and B).

Additionally, you must submit a full experimental procedure for the 'teaching based exercise' performed during the course.

A: the written report:

1. Give a brief presentation of the reaction you have chosen and a brief explanation behind your choice.
2. Select a typical example which illustrates the reaction/procedure you have chosen and prepare a detailed description of the synthetic procedure (organic synthesis level, www.orgsyn.org).
3. Give a list of chemicals to be used in the recipe.
4. Give a list of special equipment to be used in the recipe.
5. Give a formulation in maximum three lines of the essence and features of the synthesis described in the residue.
6. Describe in detail the special synthetic methods employed in your recipe.

Or

B: The video report:

1. Give a brief presentation of the reaction you have chosen and a brief explanation behind your choice. The reaction can be a new one or one you have done during the course.
2. Give a list of chemicals to be used in the recipe.
3. Give a list of special equipment to be used in the recipe.
4. Prepare a short video that illustrates the key synthetic methods used in your recipe.

The volume of the total answer is not expected to exceed 5 pages.

Deadline: 1/9-2020. Please submit your answer as a single pdf file (or a video file) to pittel@chem.ku.dk.

Frederik and Michael