SR-2024 POW-3

- a) Draw the structure of the intermediate C.
- b) Which of the two potential starting materials **A** or **B** must be used in order to obtain the shown stereochemistry of **D**? Justify your choice by comparing the two relevant transition states.
- c) The reaction uses CCl₃CN for the first condensation step. Provide an argument why the simpler CH₃CN does not work very well?