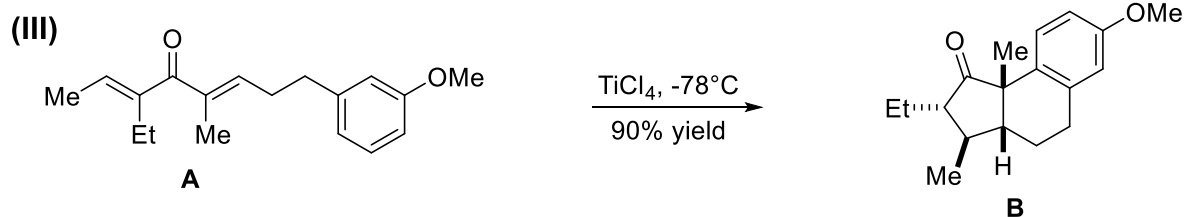


- a) Propose for product **B** as well as for diastereomer **C** a **selective** cyclization method.
 b) Provide the key intermediates showing the different stereochemical outcome.



- a) Denominate the two cyclizations according to the Baldwin-terminology.
 b) Are these favored or disfavored ring closures?



Provide a mechanistic rationale for the shown transformation.
 Include considerations on the relative stereochemistry in your explanation.