Total Synthesis of (of (-)-Daphnezomines A and B
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What is the name of the starting material?

Step 2: Name the reaction and provide the mechanism
-Hint: The active reagent is selenodiimide (TsN=Se=NTs)

Step 4: Which name reaction is associated with this step? Propose a mechanism?
Hint: another ring forms

Step 6: Name of the reaction?

Step 8: Name of this salt?

Step 9: Hint - benzyl ether is not deprotected

Step 10: Structure of Burgess reagent?

Daphnezomine A (R = H)
Daphnezomine B (R = Me)
11) 4
12) TMSCHN$_2$, then TFA
13) Fe(acac)$_3$, Ph(i-PrO)SiH$_2$
14) TFA

Step 11: Name of reagent 4?

Step 13: How would you classify this reaction according to Baldwin's rule? What could be a potentially competing side reaction? Provide a mechanism

Step 14: hint - epimerization