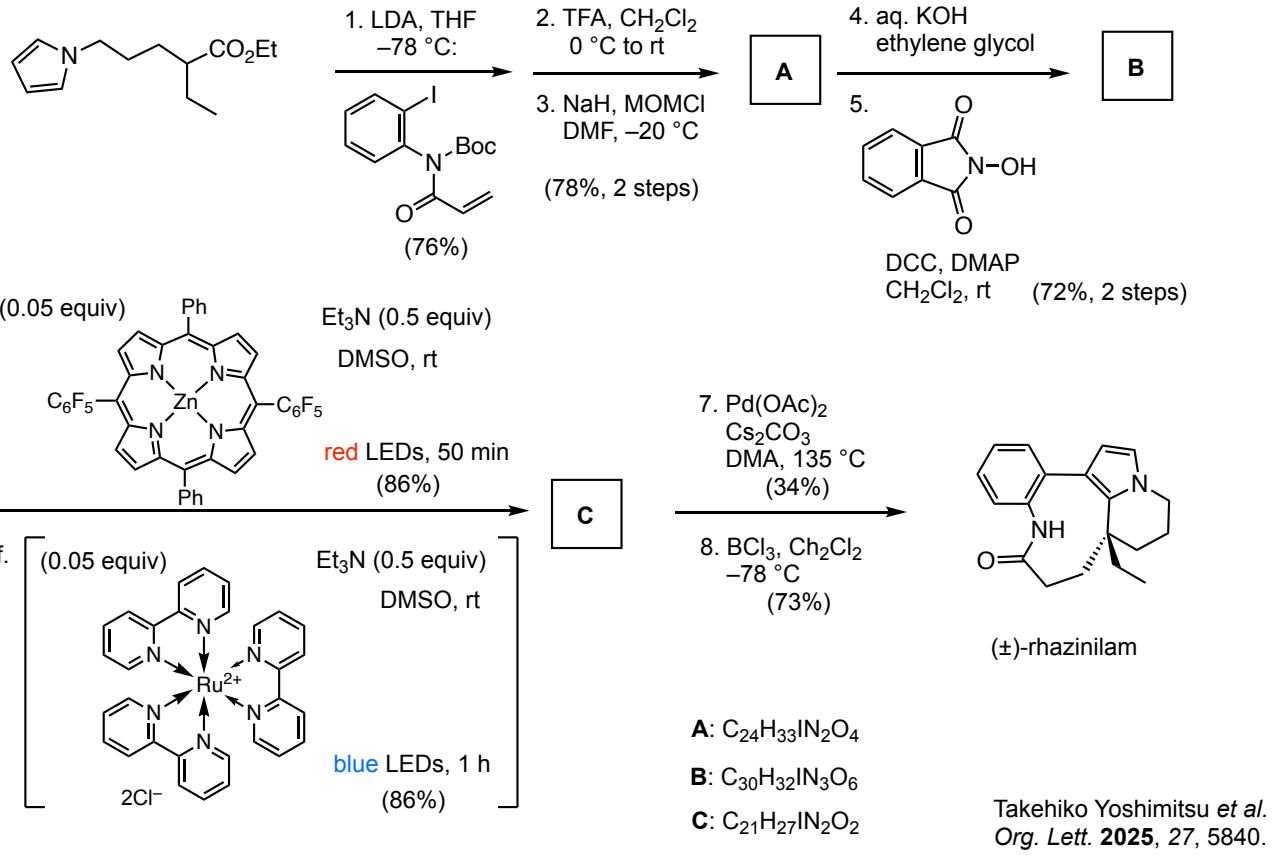
Q. Explain the reaction mechanism for each step in the following synthesis.



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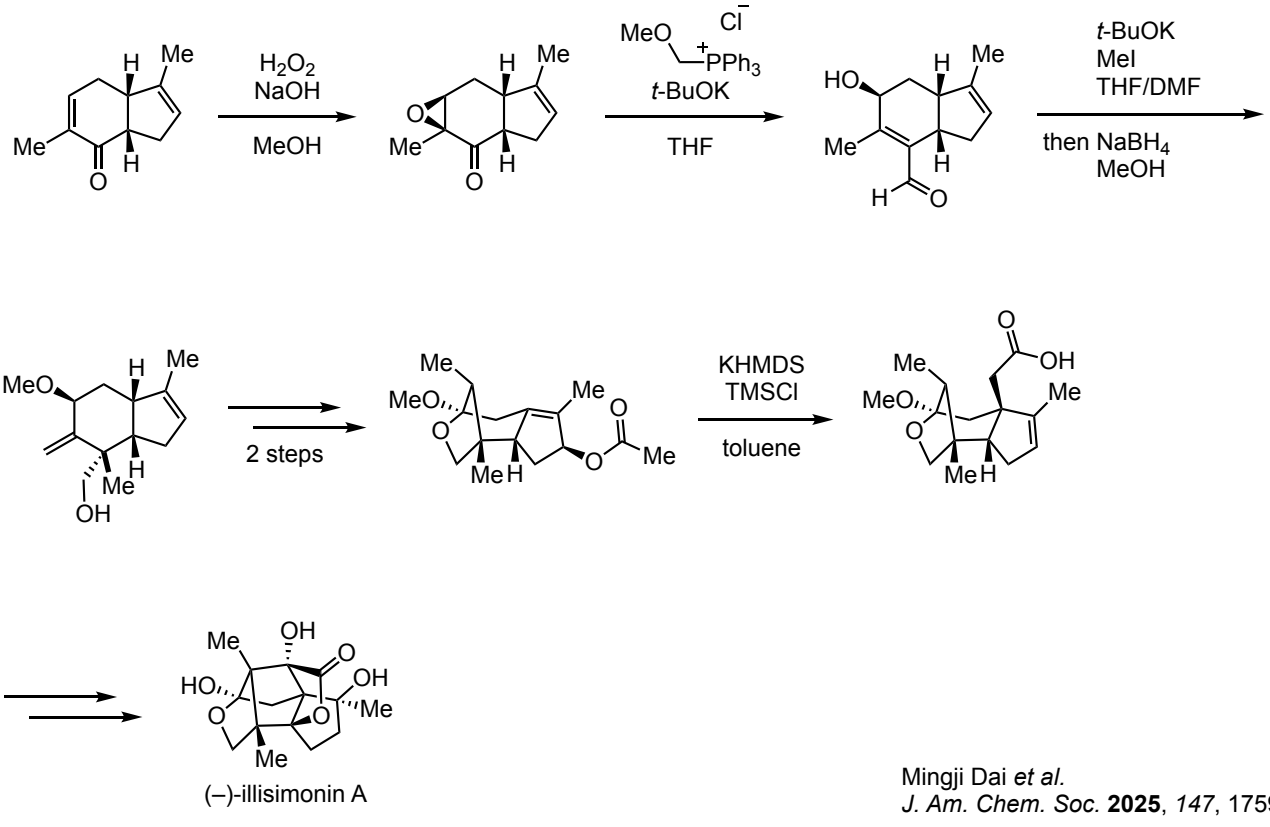
Org. Lett. **2025**, *27*, 5840.

Propose reasonable arrow-pushing mechanisms.



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J. Am. Chem. Soc. **2025**, *147*, 17592.