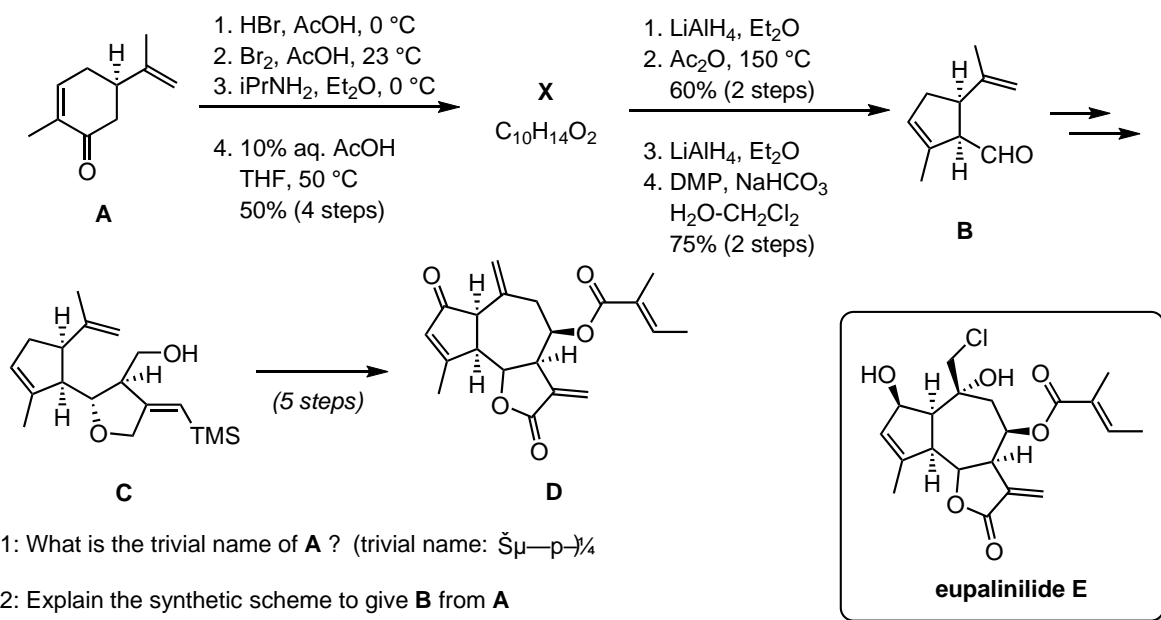


Explain the reaction mechanism for each transformation.

Onnagawa, T.; Shima, Y.; Yoshimura, T.; Matsuo, J. *Tetrahedron Lett.* **2016**, in press

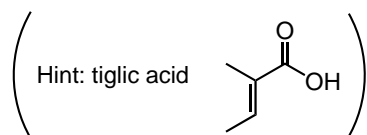
DOI: 10.1016/j.tetlet.2016.06.011



Q1: What is the trivial name of **A**? (trivial name: Šμ-p)4

Q2: Explain the synthetic scheme to give **B** from **A**

Q3: Propose a plausible synthetic route and reagents to give **D** from **C**.



Dionicio Siegel *et al.* *J. Am. Chem. Soc.* **2016**, 138, 6068.