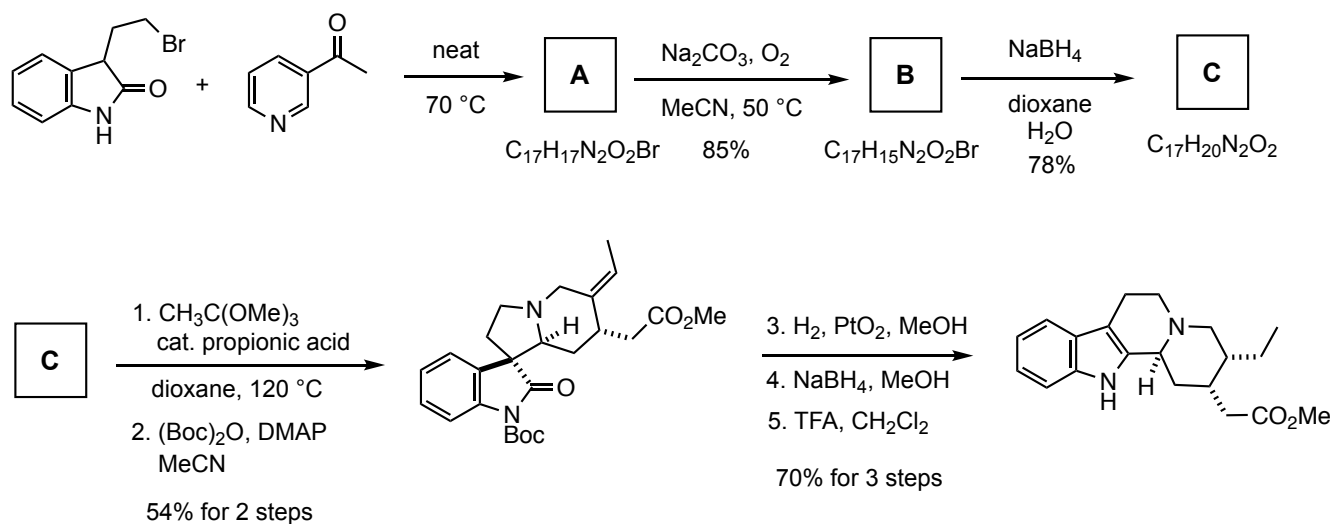


Q1. Propose reasonable mechanism of the transformation from **A** into **B**

Q2. Propose a reasonable synthetic route from **B** to mitchellene B (the authors : 4 steps)

Greatrex, B. W. *et al. J. Org. Chem.* **2019**, 84, 9637.

Q: Propose reasonable intermediates and mechanisms of the following transformations.



X. Tong, B. Shi, Q. Liu, Y. Huo and C. Xia

Org. Biomol. Chem. **2019**, in press.

doi.org/10.1039/c9ob01740b.