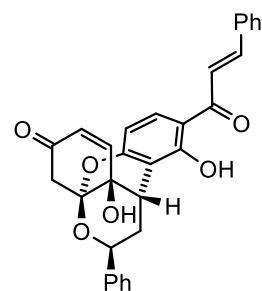
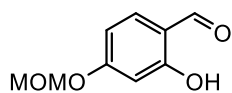


6) *p*TSA, MeOH rt, 95%
 7) $\text{PhI}(\text{OAc})_2$, MeCN/H₂O (20:1), 0 °C, 21%

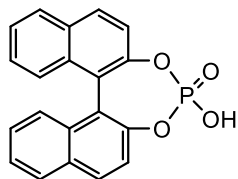
8) $\text{Pd}(\text{PPh}_3)_4$ (cat.), **C**, THF, rt, 57%
 9) *trans*-Cinnamic acid, EDCI, DMAP, DCM, rt, 85%
 10) *hν*, PhH, rt, 33%



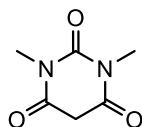
Caesalpinnone A



A



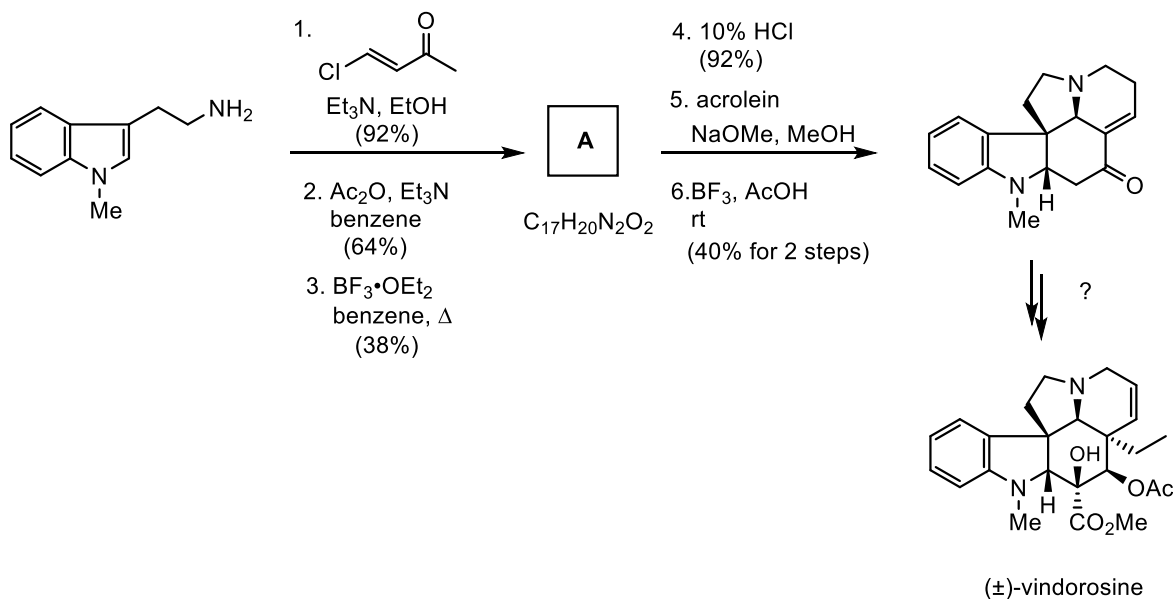
B



C

Zhigang Liu, Yifei Meng, Pengrui Yuan, Zhengshen Wang, Jin-Ming Gao, and Huajji Zheng*
Org. Lett. **2020**, *22*, 520-522

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



G. Büchi, K.E. Matsumoto and H. Nishimura, *J. Am. Chem. Soc.* **1971**, *93*, 3299.