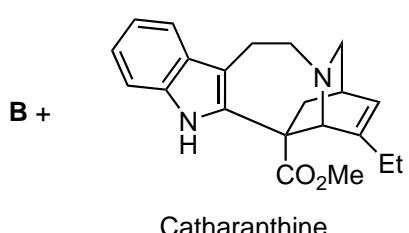
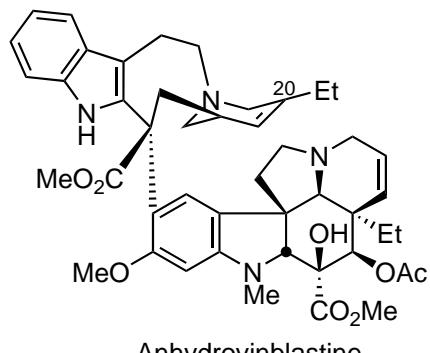


*TIPB = triisopropylbenzene

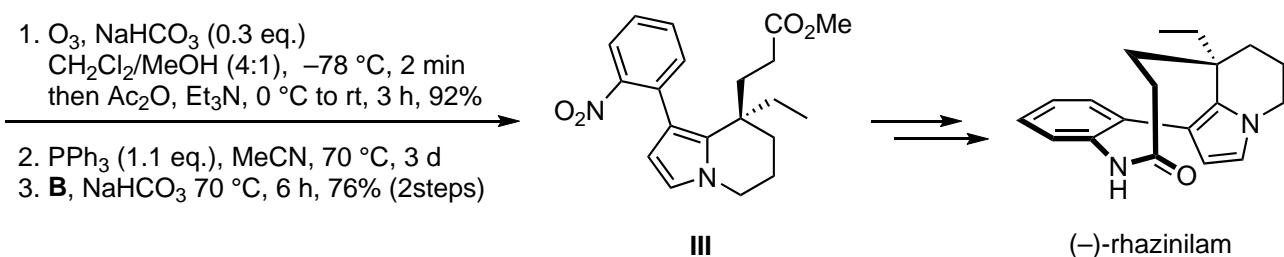
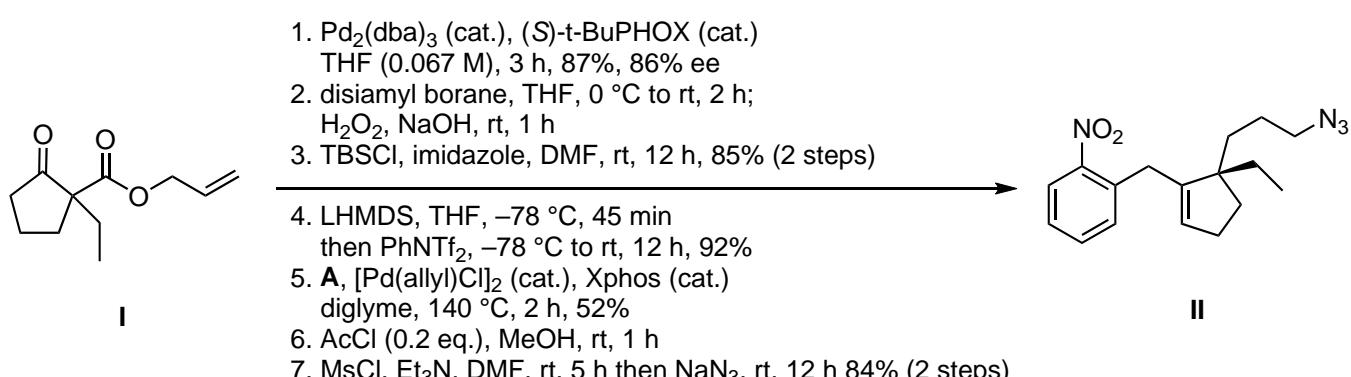
B: Vindoline



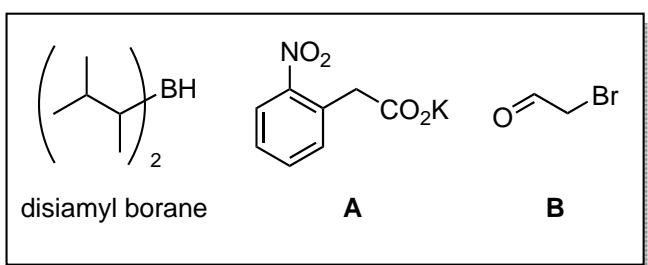
1) $FeCl_3$, 25 °C, 2 h,
 0.1 N HCl- CF_3CH_2OH
 2) $NaBH_4$, 90%



D. L. Boger *et al.* *Org. Lett.* **2015** (DOI: 10.1021/acs.orglett.5b02818)
 D. L. Boger *et al.* *J. Am. Chem. Soc.* **2012**, 134, 13240.



If you have a time, propose a synthetic route to give (-)-rhazinilam from **III** (literature: 3 steps).



J. Zhu *et al.* *Angew. Chem. Int. Ed. Early View*
(doi: 10.1002/anie.201508906)