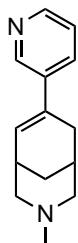
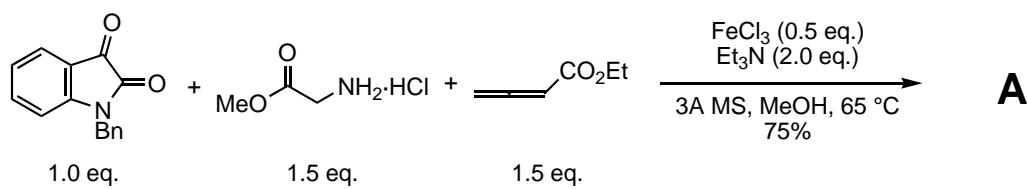


Give a retrosynthetic analysis for **A** and then propose (a) synthesis plan(s).



A

Cf. *Org. Process Res. Dev.* **2013**, *17*, 413

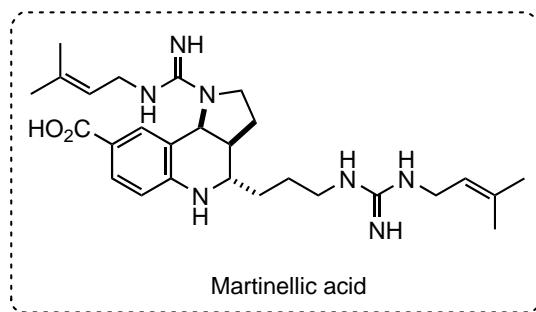
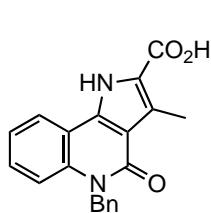


1.0 eq. 1.5 eq. 1.5 eq.

FeCl_3 (0.5 eq.)
 Et_3N (2.0 eq.)
3A MS, MeOH, 65°C
75%

A

A $\xrightarrow[2) \text{10\% HCl aq.}]{1) \text{NaOH, MeOH/THF reflux}}$ 70% over 2 steps



De-Qing Shi et al. *Chem.-Eur. J.* **2014**, *20*, 1711.