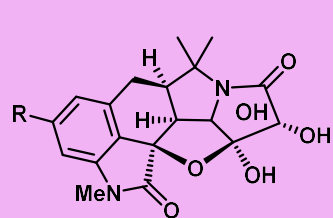
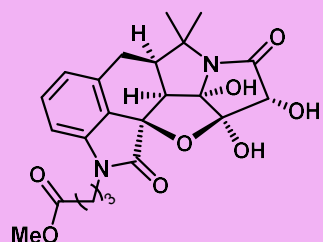
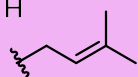


Aspergillines:

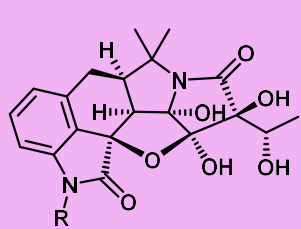


A: R = H

C: R =



B

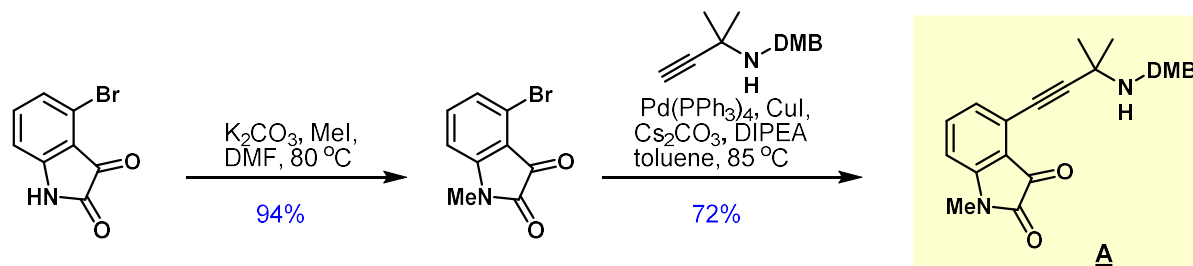
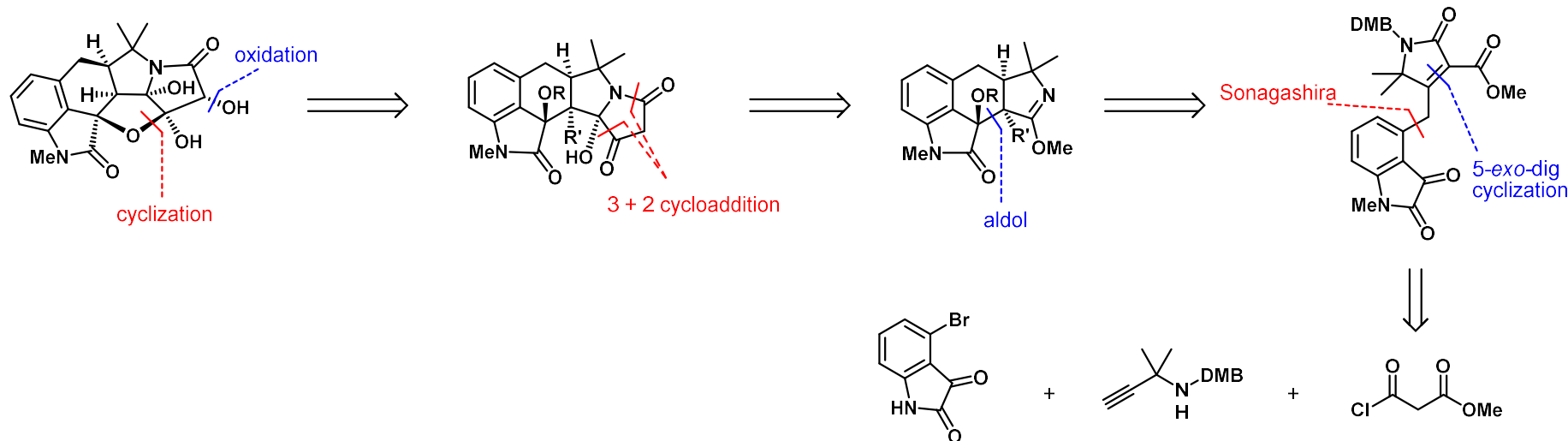
D: R = CH₃

E: R =



- isolated in 2014 by Hu and Gao from *Aspergillus versicolor*
- activity against tobacco mosaic virus and several cancer cell lines
- caged hexacyclic (6/5/6/5/5/5) heterocyclic ring system

Retrosynthetic Analysis:



References:

John L. Wood, *J. Am. Chem. Soc.* **2017**, 139, 18504
 X.-M. Gao, *Org. Lett.* **2014**, 16, 5016

