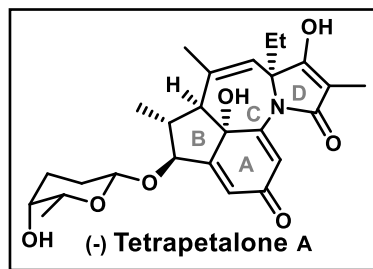


Total Syntheses of (-)-Tetrapetalone A

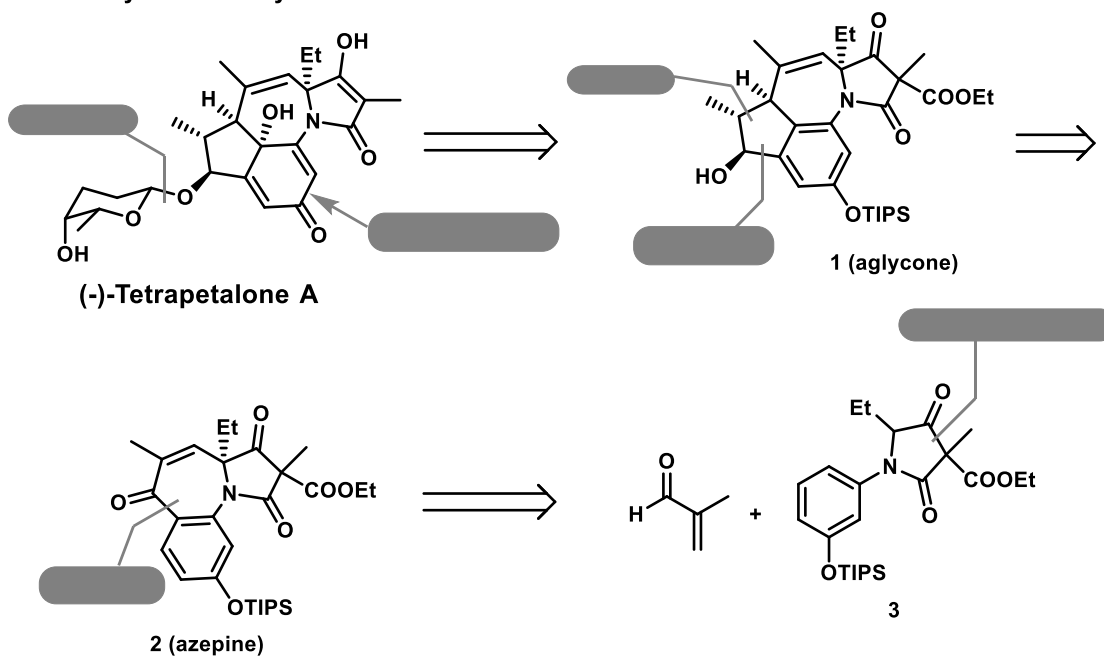
Heemal H. Dhanjee, Yutaka Kobayashi, Jonas F. Buergler, Travis C. McMahon, Matthew W. Haley, Jennifer M. Howell, Koichi Fujiwara, and John L. Wood*



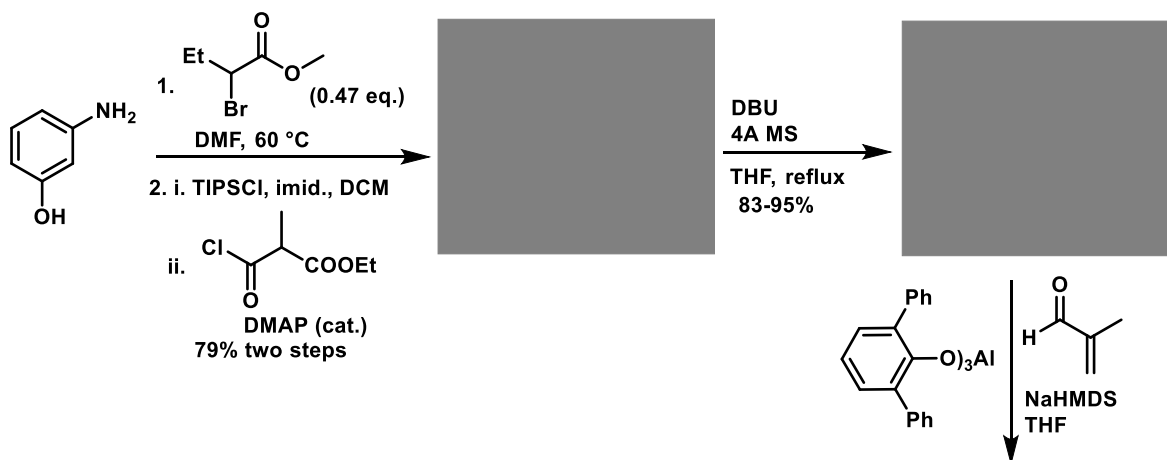
- a) Isolated from *Streptomyces* sp. in 2003 by Hirota and co-workers.
- b) Hong (2009), Sarpong (2010), Porco (2014), Pettus (2014) and Frontier (2014) groups also worked on Tetrapetalones syntheses.

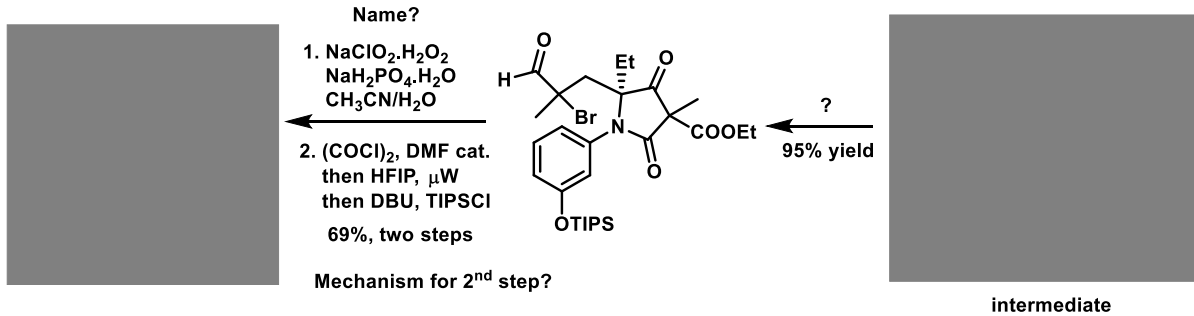
J. Am. Chem. Soc. 2017, 139, 14901–14904.

1. Retrosynthetic analysis

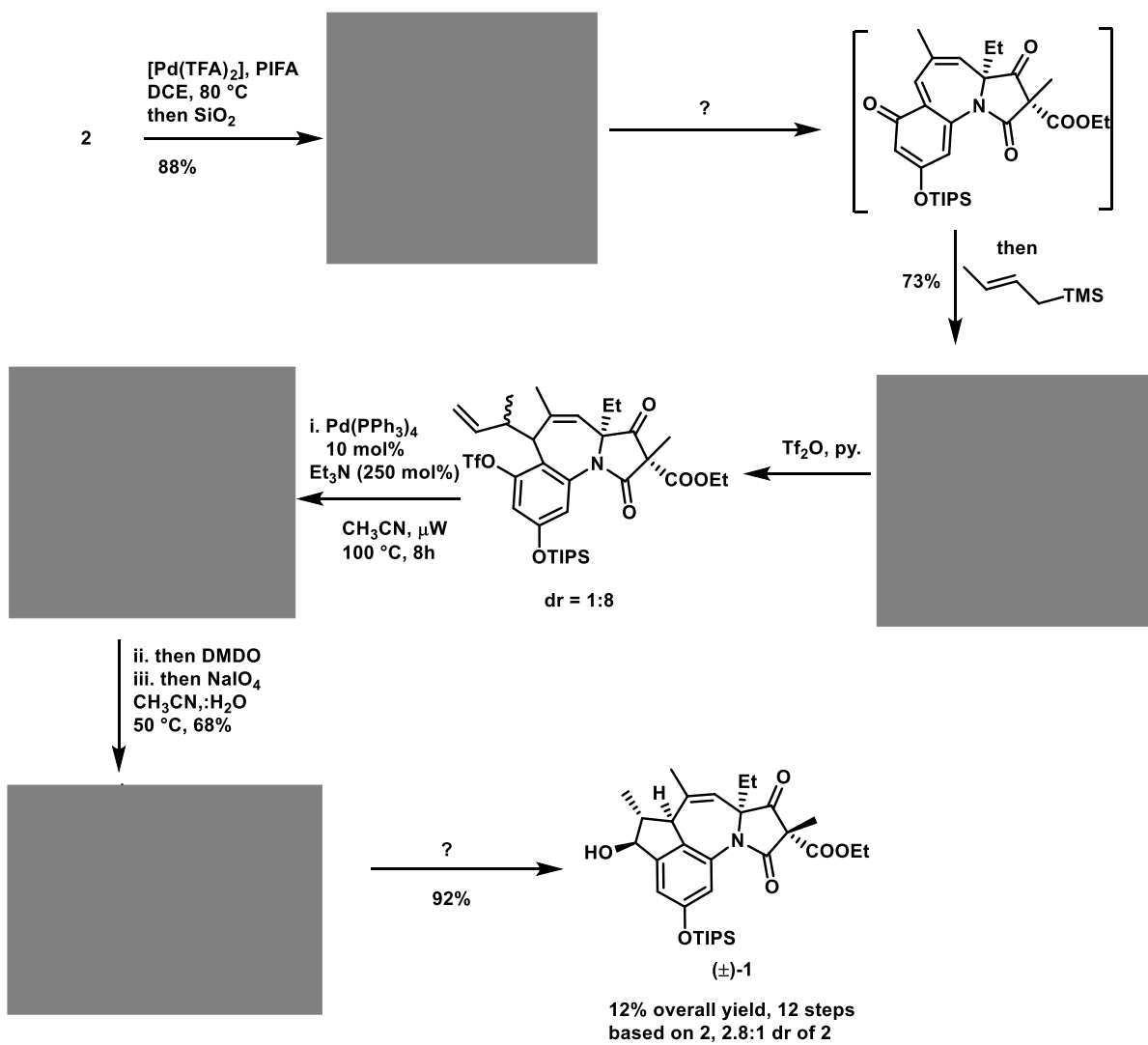


2. Synthesis of 3 and 2

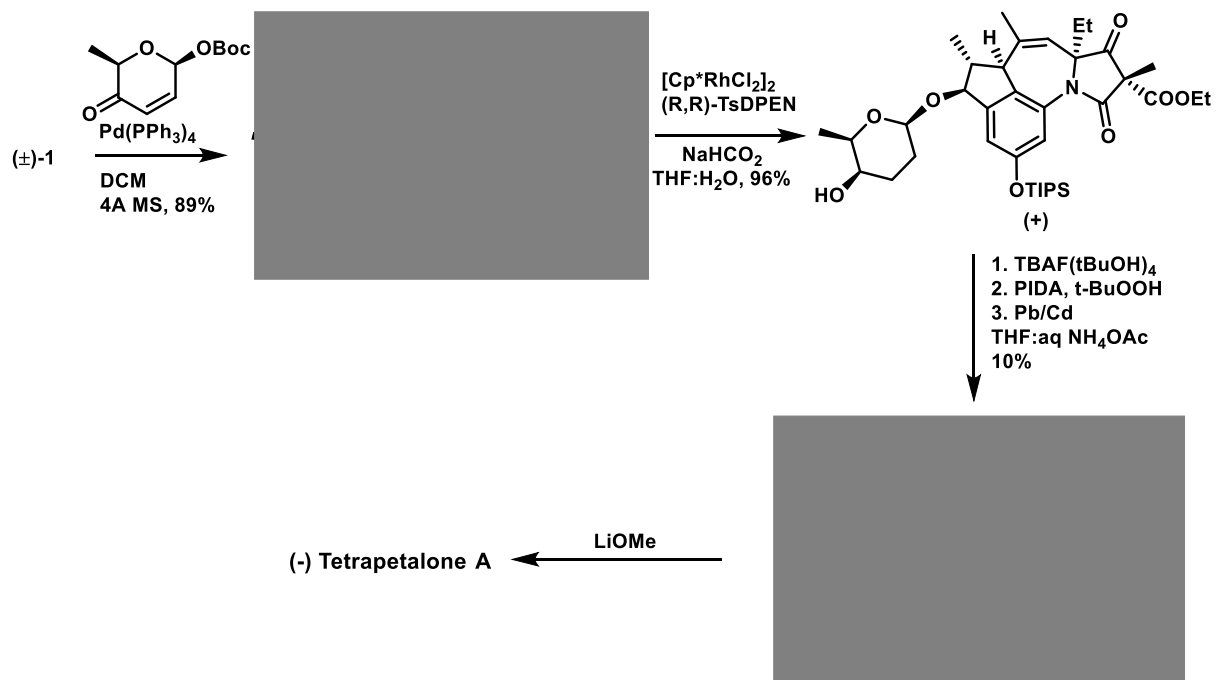




3. Synthesis of 1

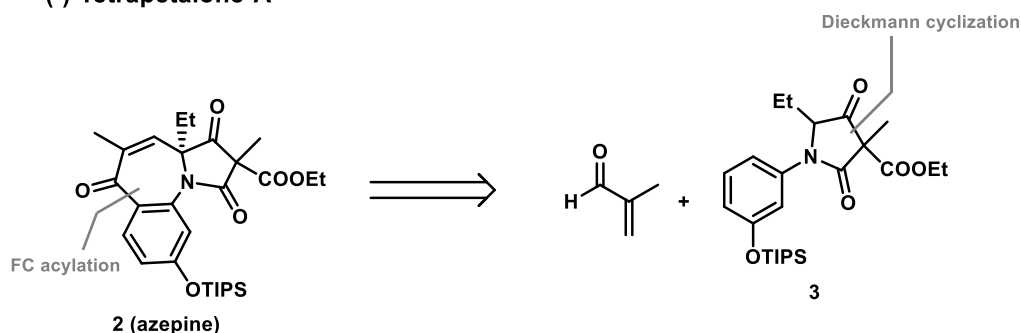
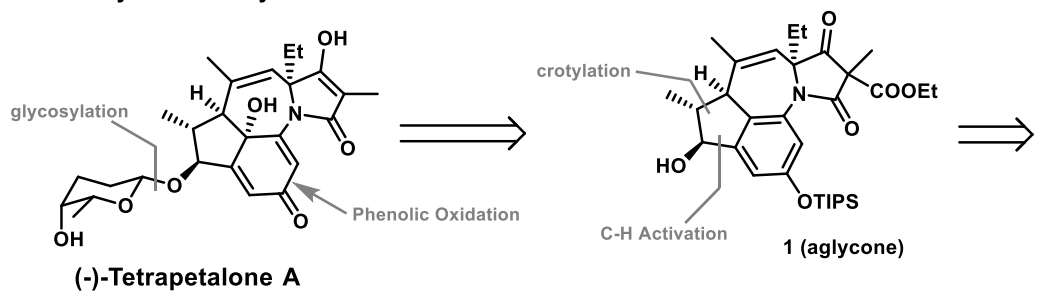


4. Synthesis of (-) Tetrapetalone A (If time allow)

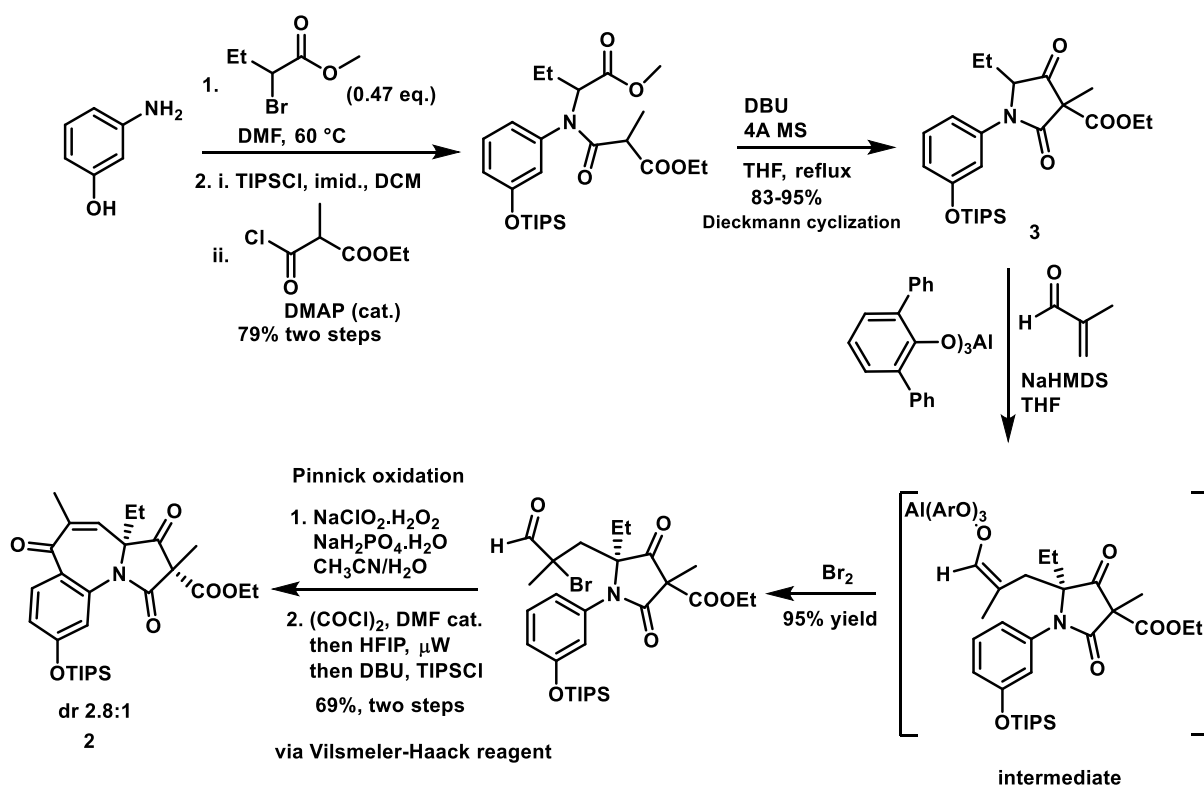


Solution

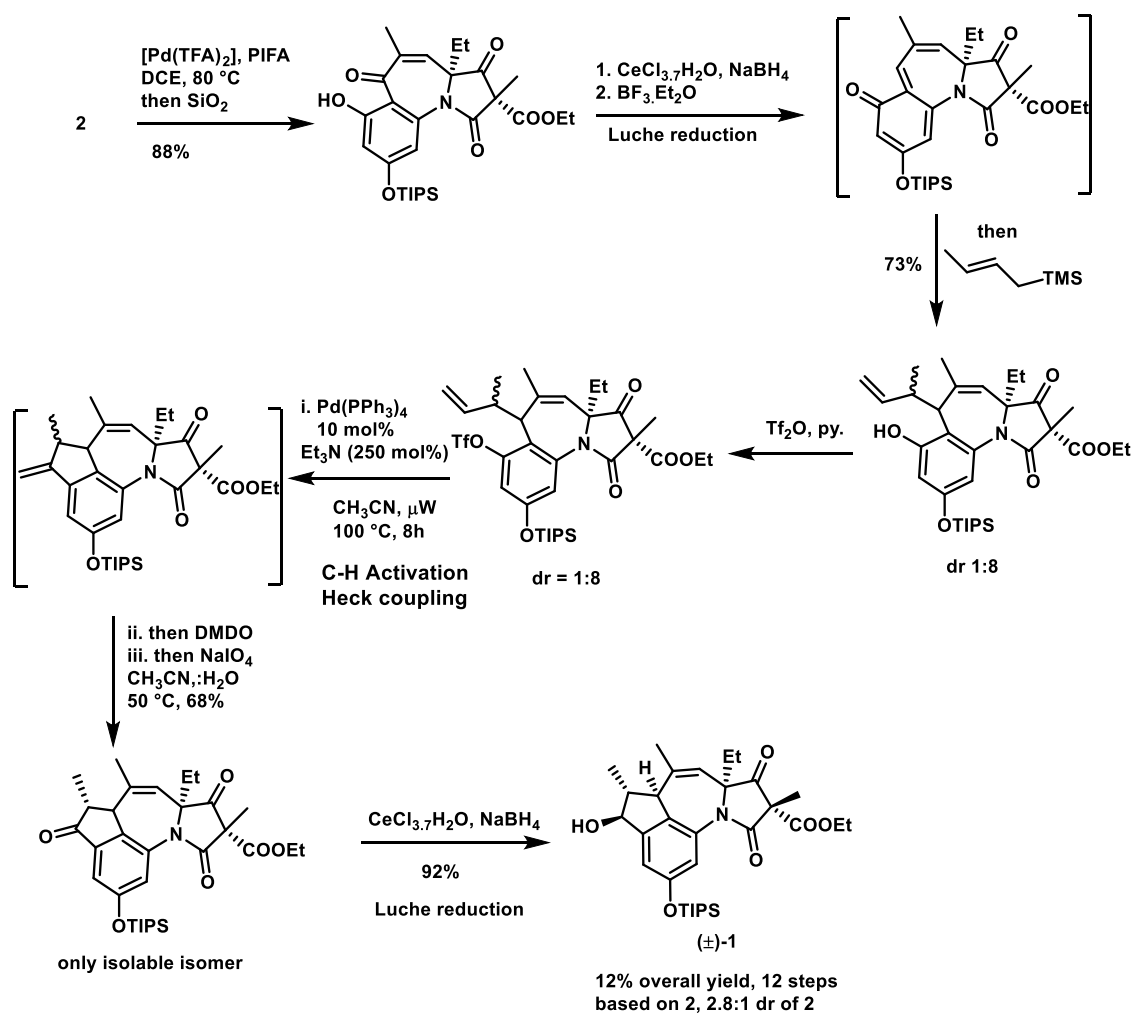
1. Retrosynthetic analysis



2. Synthesis of 3 and 2



3. Synthesis of 1



4. Synthesis of (-) Tetrapetalone A (If time allow)

