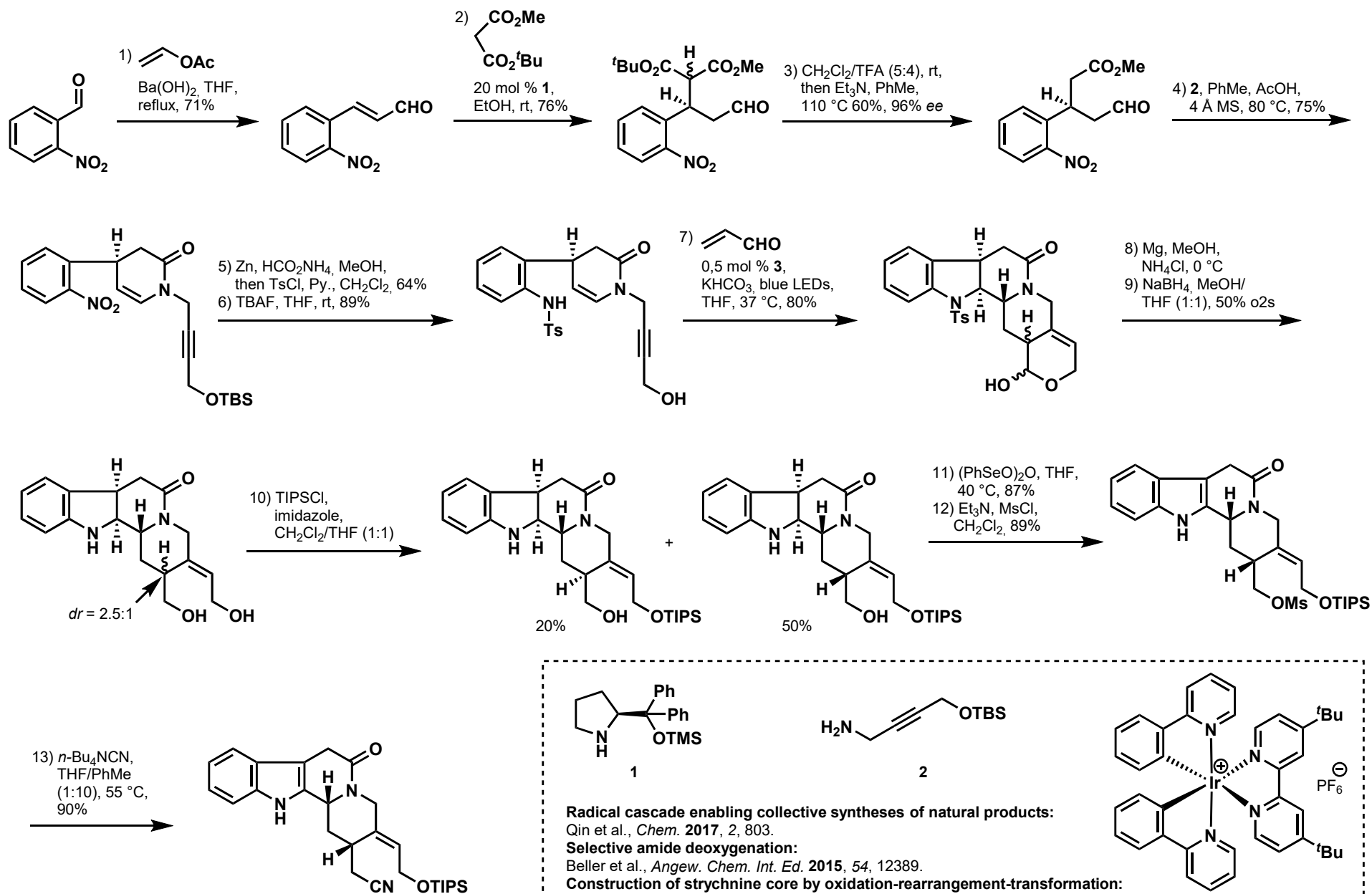


Asymmetric Total Synthesis of (+)-Strychnine

09.01.19

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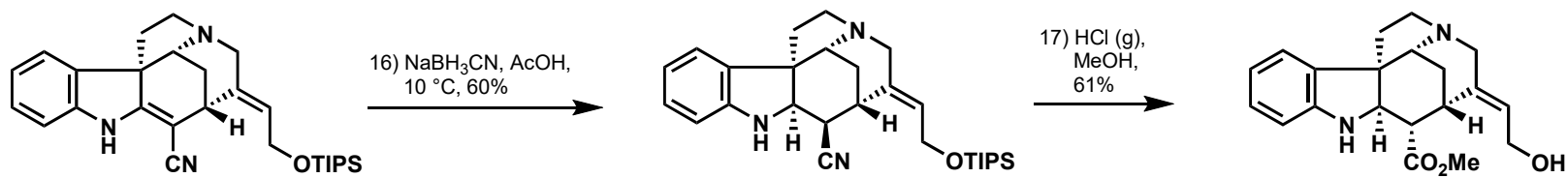
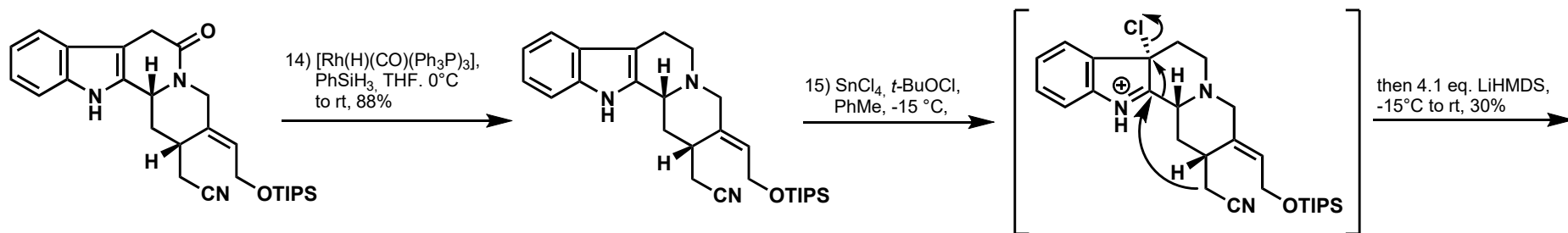


Radical cascade enabling collective syntheses of natural products:
 Qin et al., *Chem.* **2017**, *2*, 803.

Selective amide deoxygenation:
 Beller et al., *Angew. Chem. Int. Ed.* **2015**, *54*, 12389.

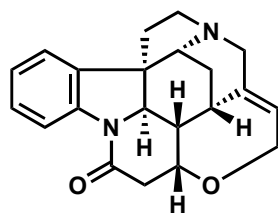
Construction of strychnine core by oxidation-rearrangement-transformation:
 Martin et al., *J. Am. Chem. Soc.* **2001**, *123*, 8003.

$\text{Ir}(\text{dtbbpy})(\text{ppy})_2\text{PF}_6$ (**3**)



18) DIBAL-H, CH_2Cl_2 , -78°C
 19) NaOAc, Ac_2O , AcOH,
 $\text{CH}_2(\text{CO}_2\text{H})_2$, 110°C ,
 38% α 2s

Overman et al.,
J. Am. Chem. Soc.
 1993, 115, 9293.



(+)-strychnine