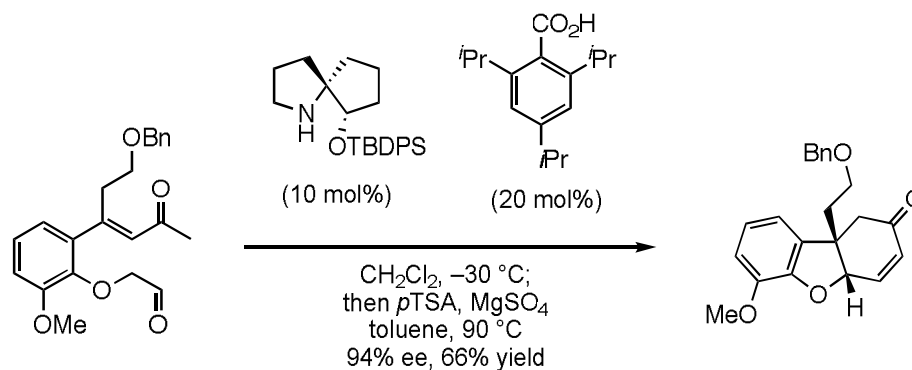


for B3

191026
B3 B4 M1

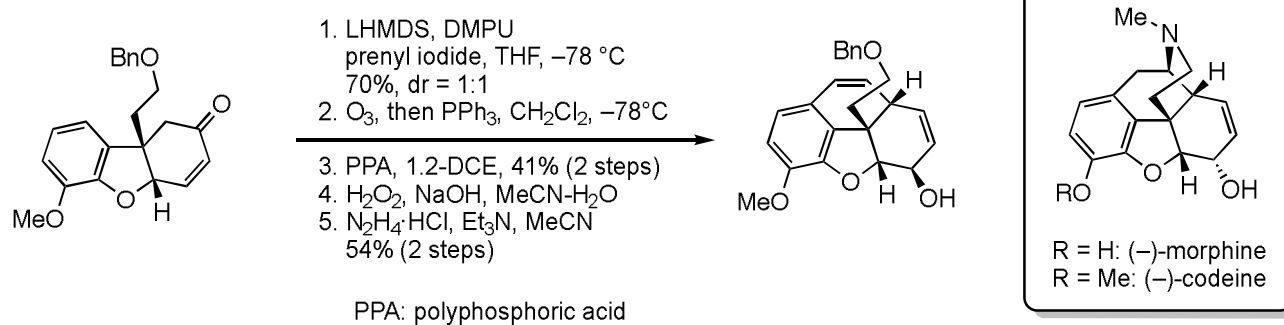


Q1: Explain a reasonable reaction mechanism (no need to think about the enantioselectivity)

Hint: Pyrrolidine would catalyze the same reaction. (it should give 0% ee product.)

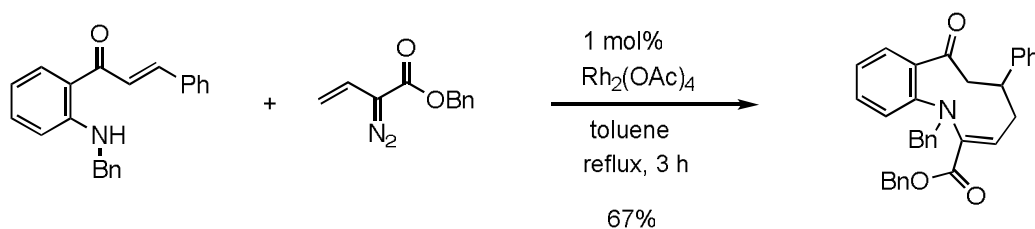
Q2: What is the name of this “named reaction”?

for B4, M1



Zhang, F.-M.; Tu, Y.-Q. *et al. Nat. Commun.* **2019**, *10*, No. 2507.

Q: Propose reasonable intermediates and mechanisms of the following transformations.



K. Chinthapally, N. P. Massaro, S. Ton, E. D. Gardner, I. Sharma

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