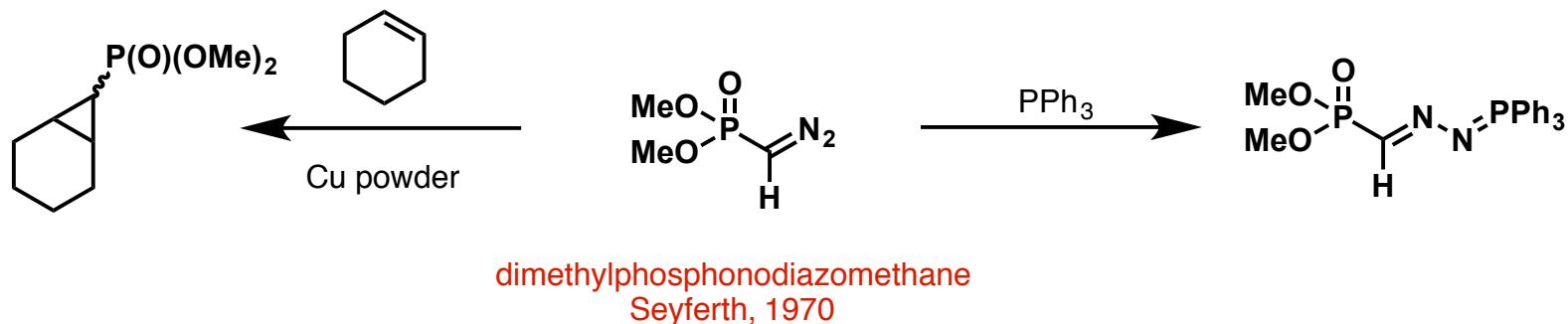


The Seyferth-Gilbert Homologation: Aldehyde to Alkyne

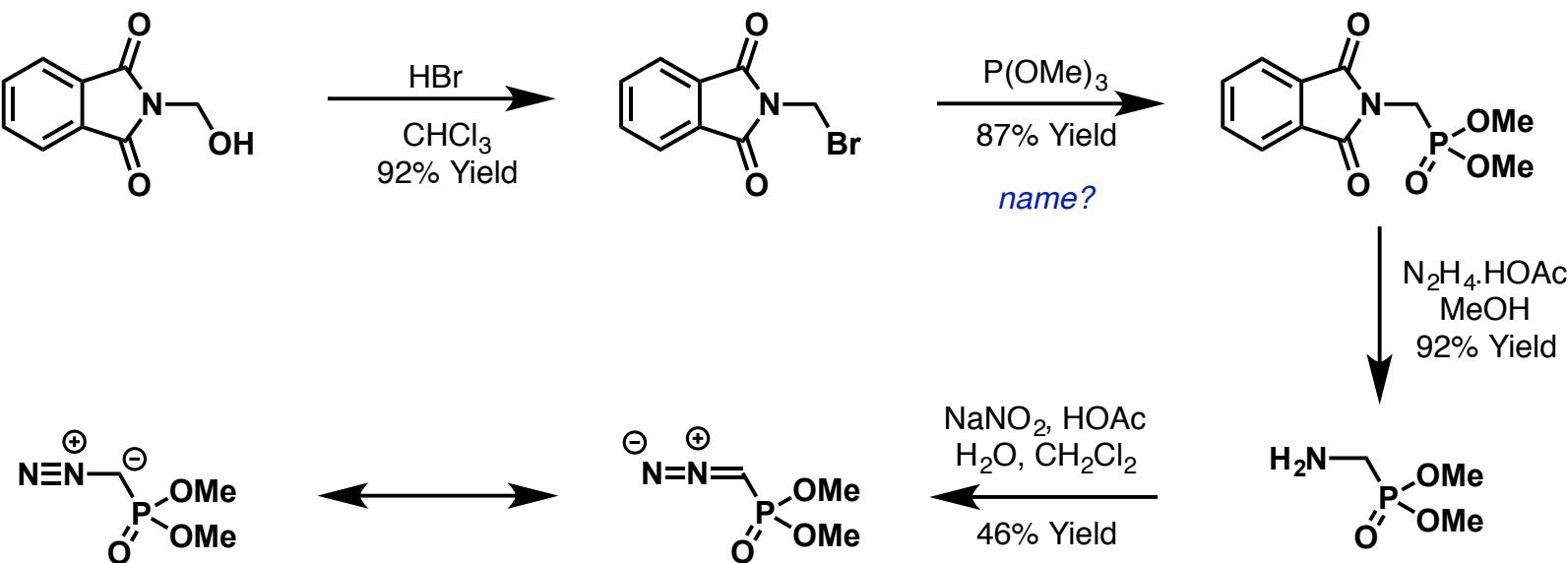
Dr. Nicholas Race
Sigman Group
08/28/17

Reaction of the week

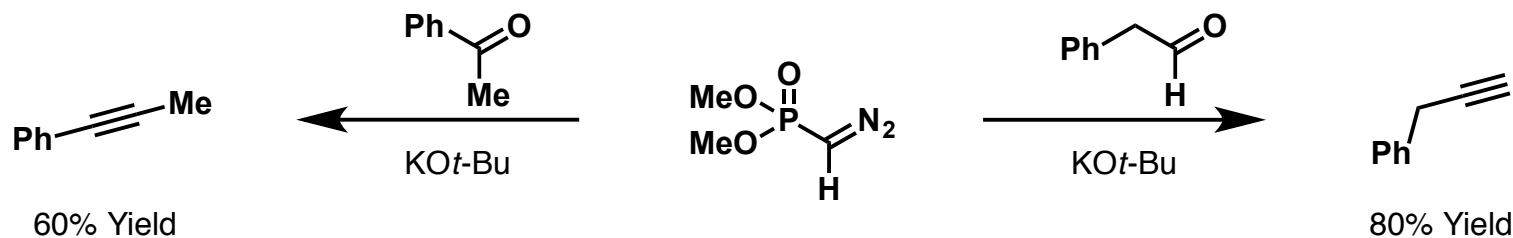
The Seyferth-Gilbert homologation



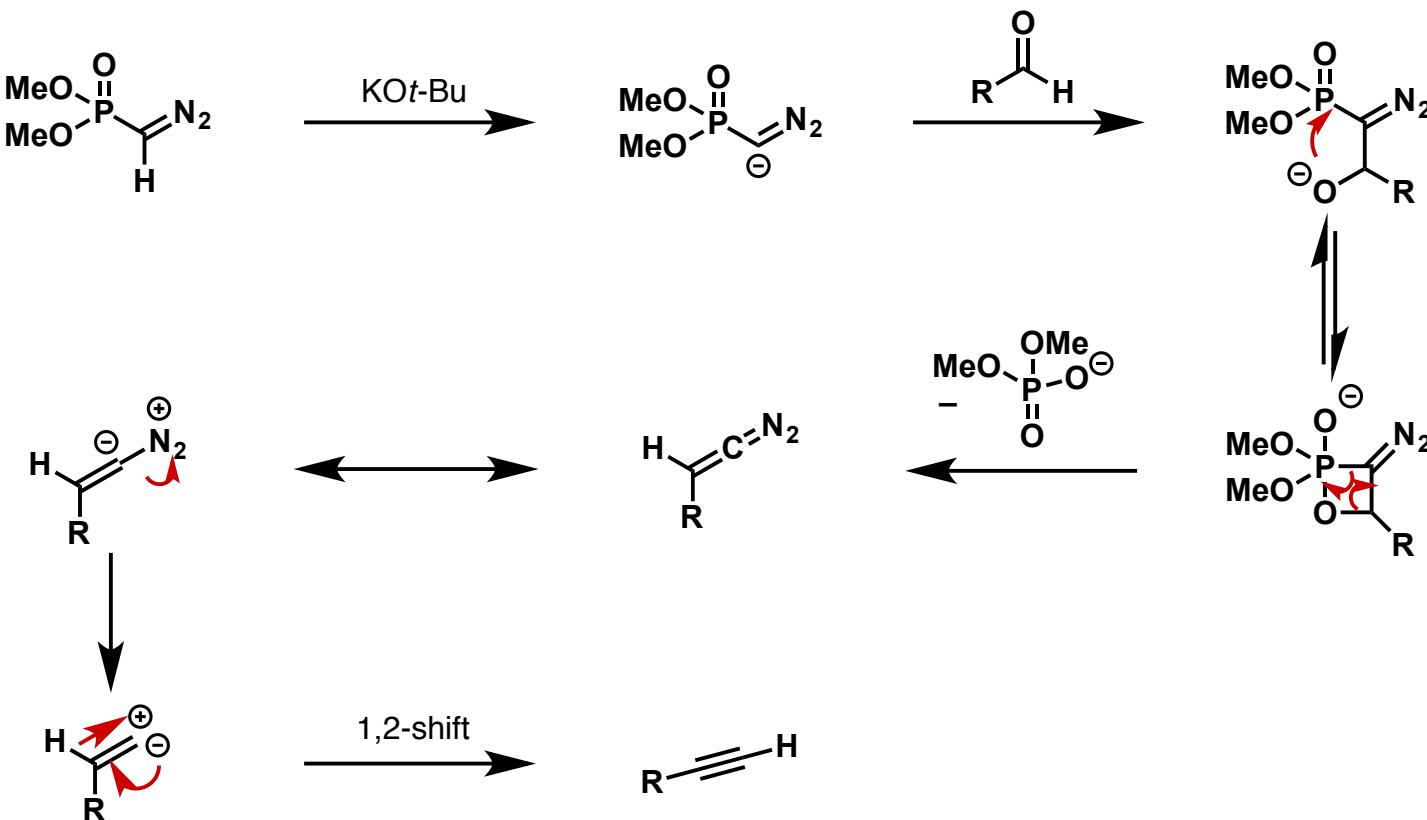
Synthesis



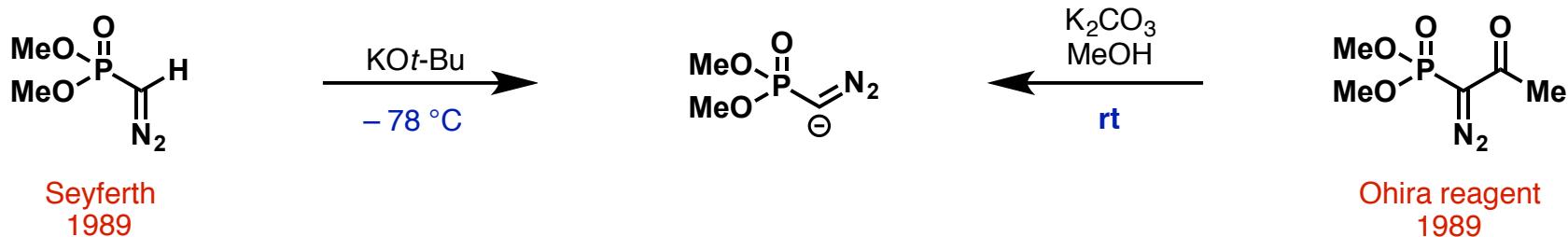
The Seyferth-Gilbert homologation



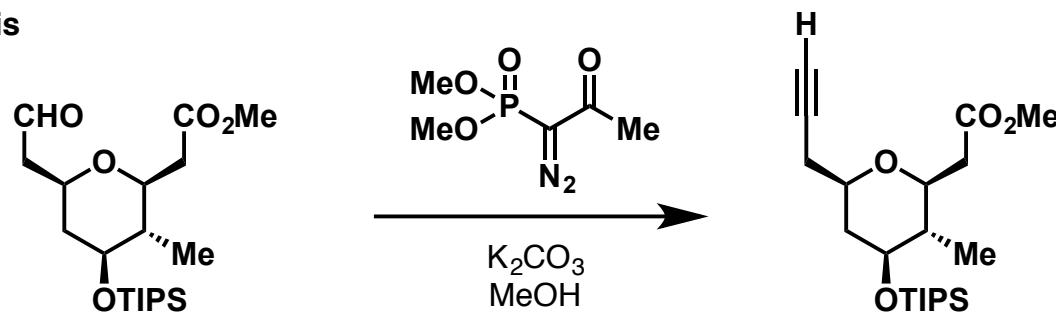
Mechanism



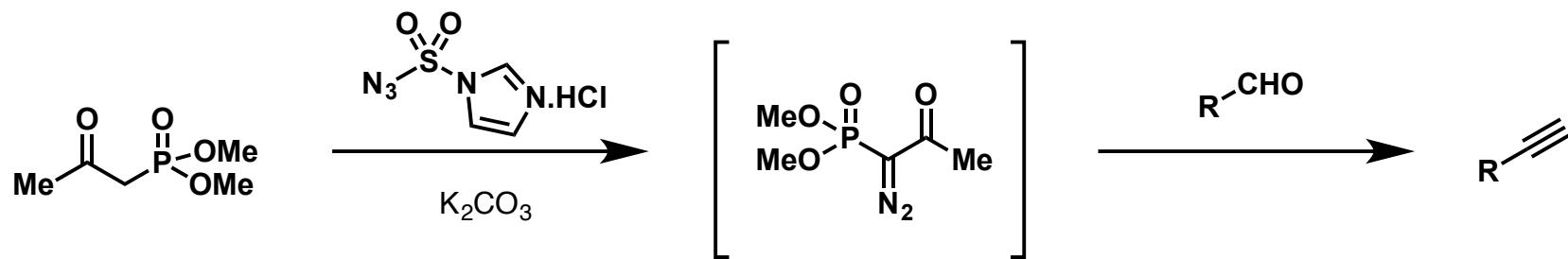
The Seyferth-Gilbert homologation



Application in synthesis



In situ synthesis of Ohira-Bestmann reagent



Ohira, S. *Synth. Commun.* 1989, 19, 561; Müller, S.; Liepold, B.; Roth, G. J.; Bestmann, H. J. *Synlett*, 1996, 521
 Ohira, S. *Synth. Commun.* 1989, 19, 561; Kristensen, J. S.; Liepold, B.; Roth, G. J. *J. Org. Chem.* 2014, 79, 9423-9426; Bestmann, H. J. *Synlett*, 1996,