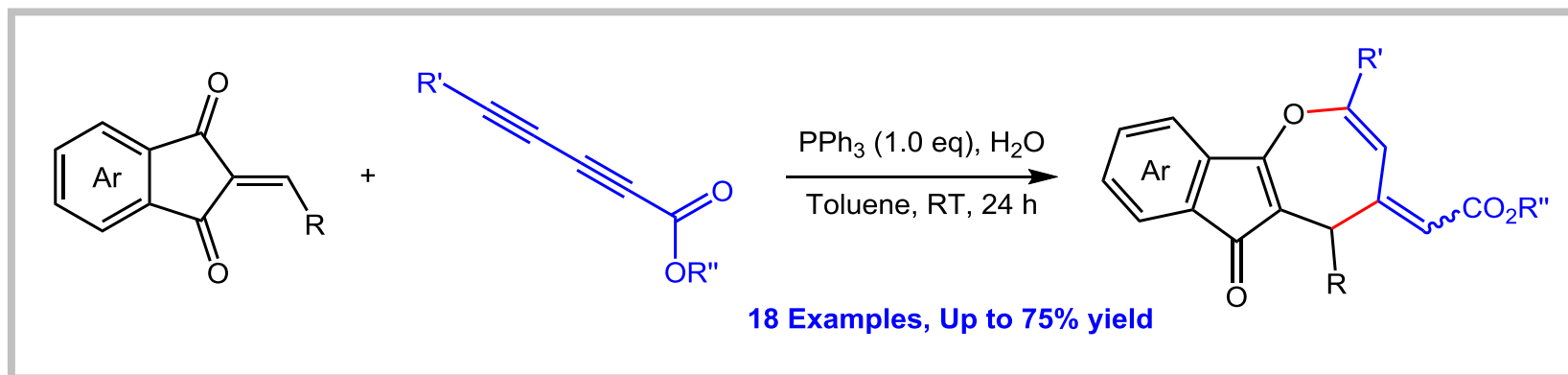




## Mechanism Speculation XIV Recommended by Chang-Bin Yu

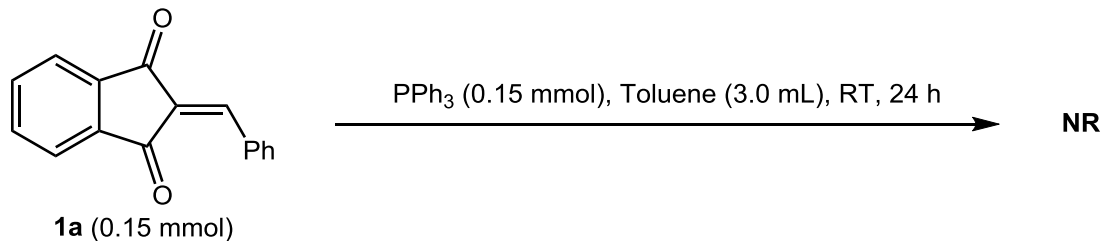
# Phosphine-Mediated [4 +3] Annulation of Diynoates and 2-Arylidene Indane-1,3-diones: Access of Indeno[1,2-b]oxepin-4-ylidenes and Beyond



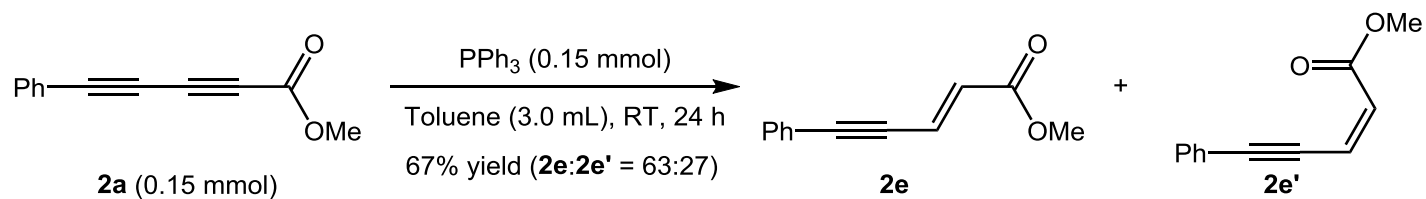
Nallapati, S.; Tseng, M.-F.; Chen, P.-L.; Chuang, S.-C. *Org. Lett.* **2022**, *24*, 2993

# Control Experiments

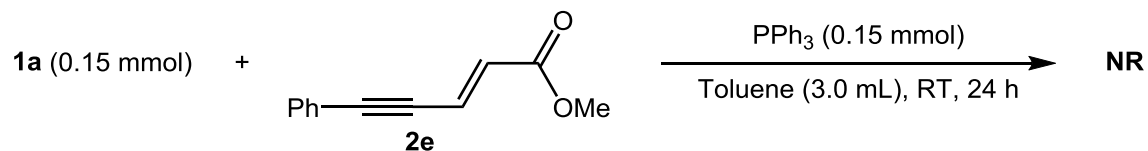
a) Without **2a**



b) Without 2-phenylidene indane-1,3-dione **1a**



c) **1a** with enynoate **2e**



# Proposed Mechanism

