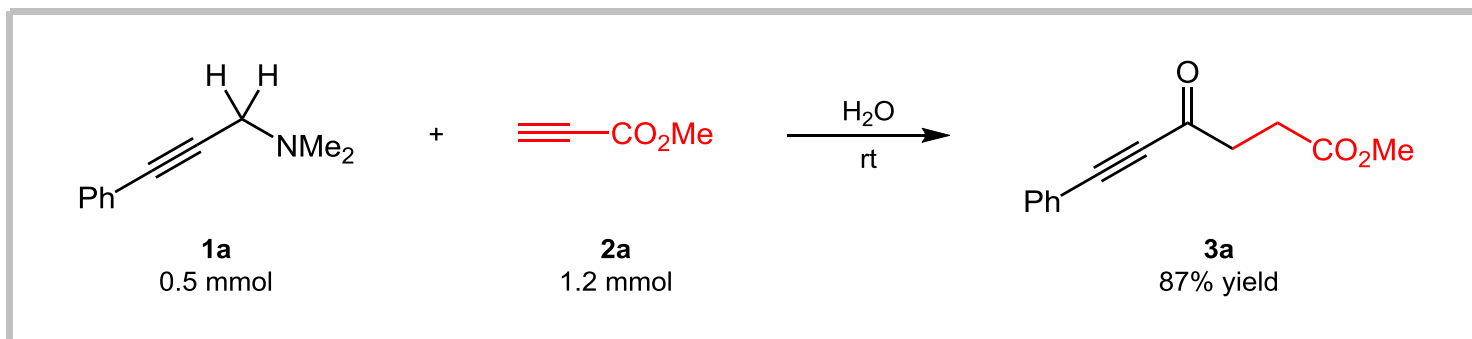




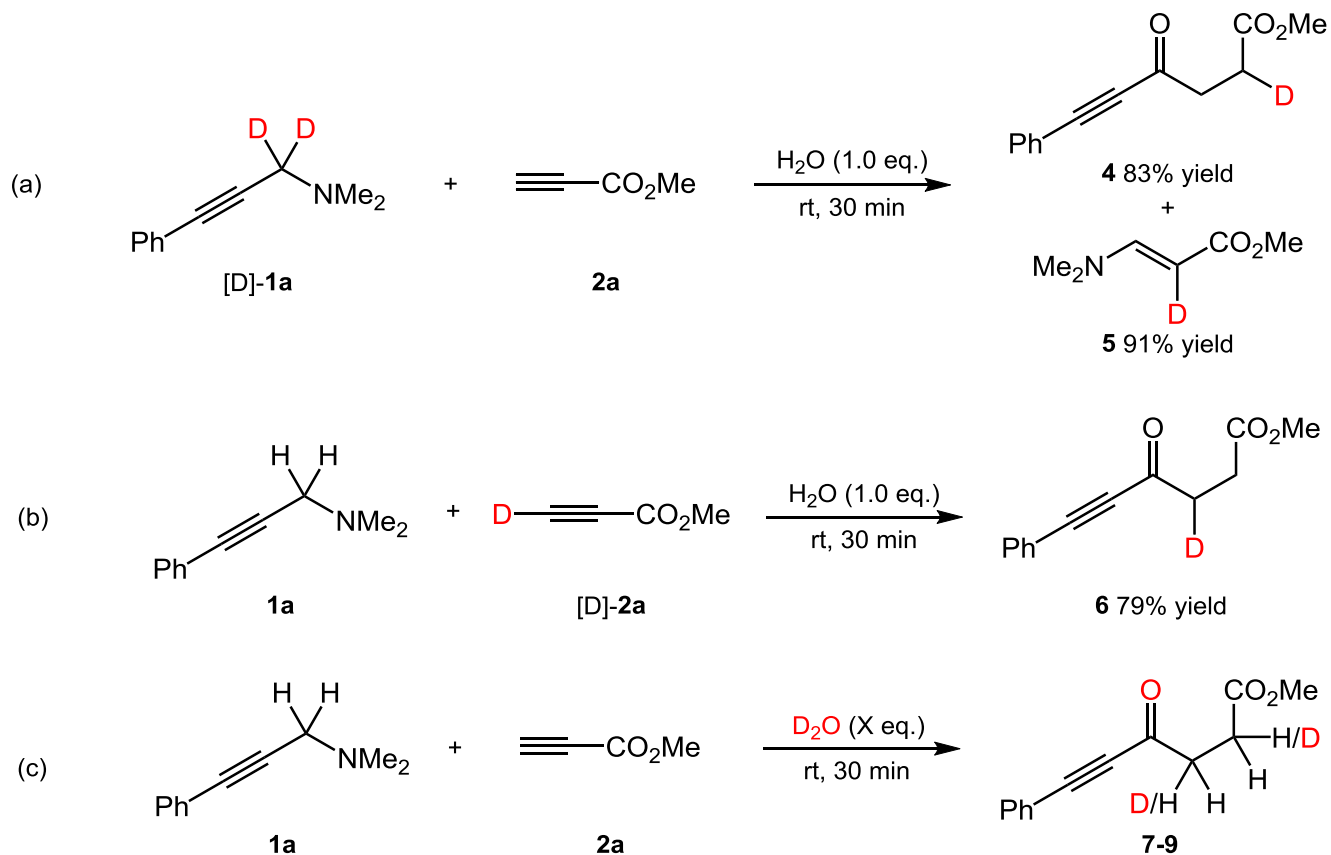
## Mechanism Speculation V Recommended by Xiang Li

# A Highly Efficient Metal-free Hydrocarbonylation of Alkynes with Propargylamines and Water



Xie, Y.; Huang, L.; Qi, Y.; Song, L.; Feng, H. *Green Chem.* **2022**, *24*, 1978

# Control Experiments



$D_2O$  (0.5 eq.): **7** (32% yield, 14% D),  $D_2O$  (1.0 eq.): **8** (83% yield, 83% D),  $D_2O$  (2.0 eq.): **9** (54% yield, 100% D)

# Proposed Mechanism

