

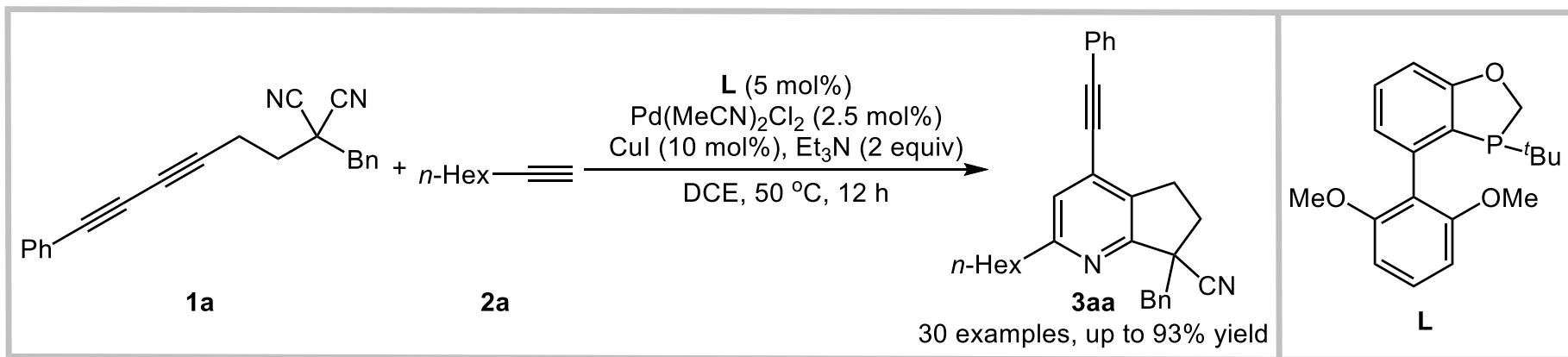


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Mechanism Speculation XXX Recommended by Hao Tang

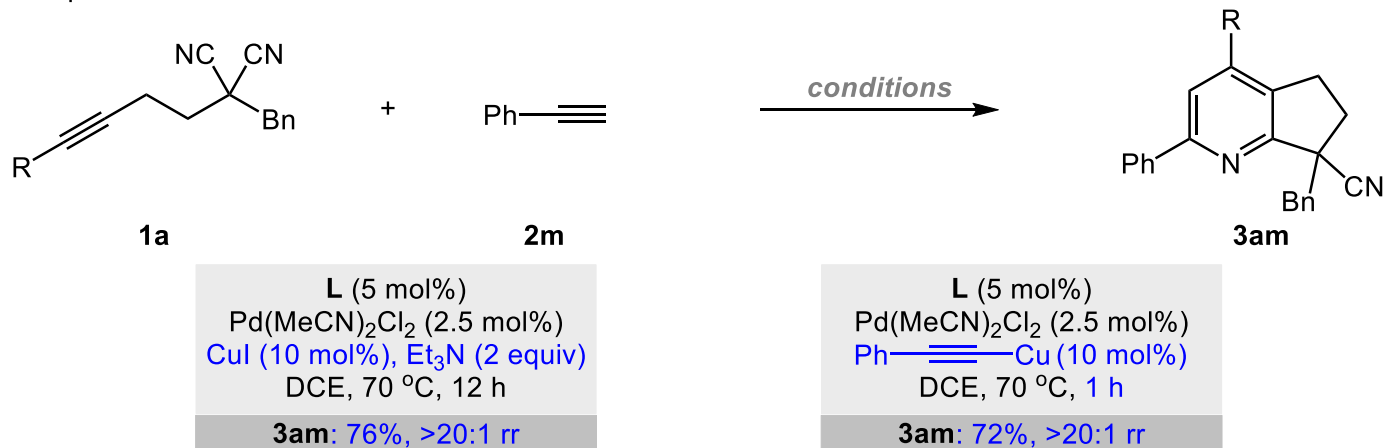
**Pd/Cu Dual Metal-Catalyzed Regioselective [2 + 2 + 2]
Cycloaddition of Malononitriles
with Alkynes to Densely Substituted Pyridines**



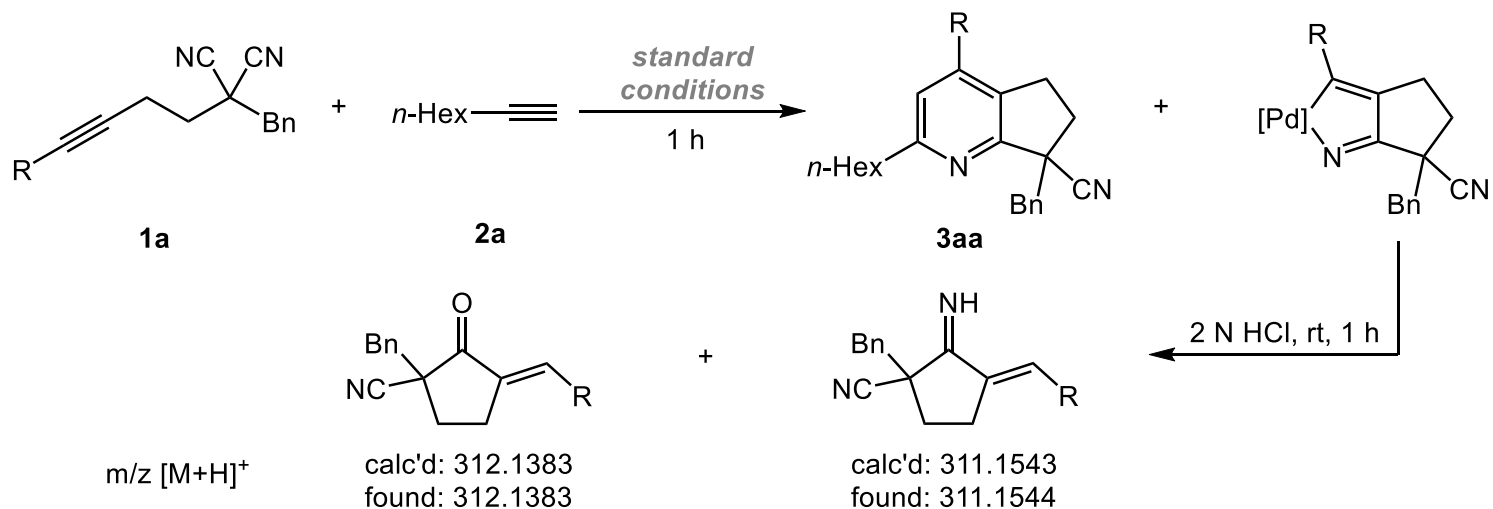
Wang, X.-Z.; Huang, H.-G. ; Liu, W.-B. *et al.* *Org. Lett.* **2024**, 26, 7324

Control Experiments

a) Control experiments: the role of CuI



b) Detection of reaction intermediates by Nano-SEI-MS



Proposed Mechanism

