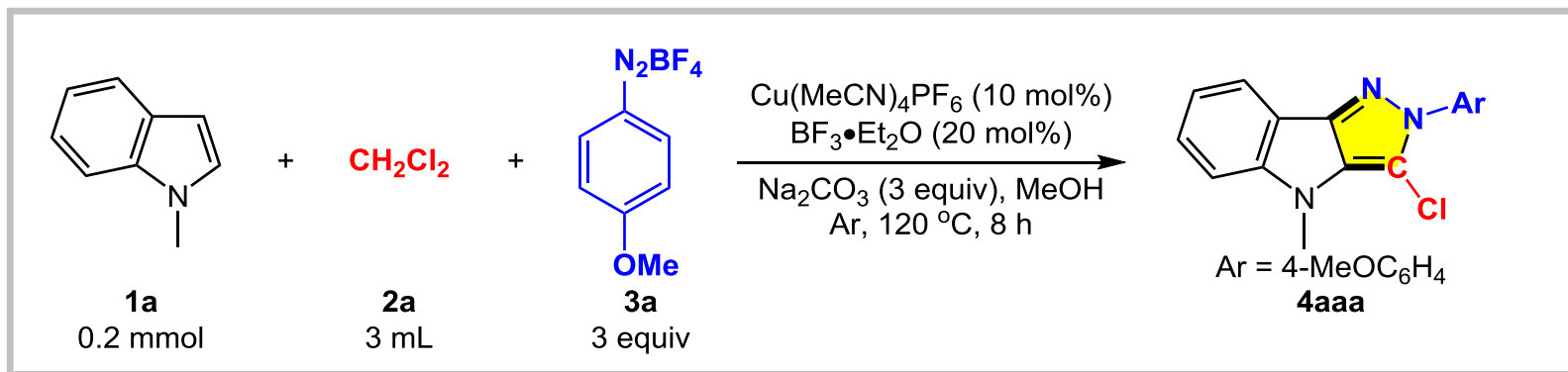




Mechanism Speculation XXVII | Recommended by Hao Tang

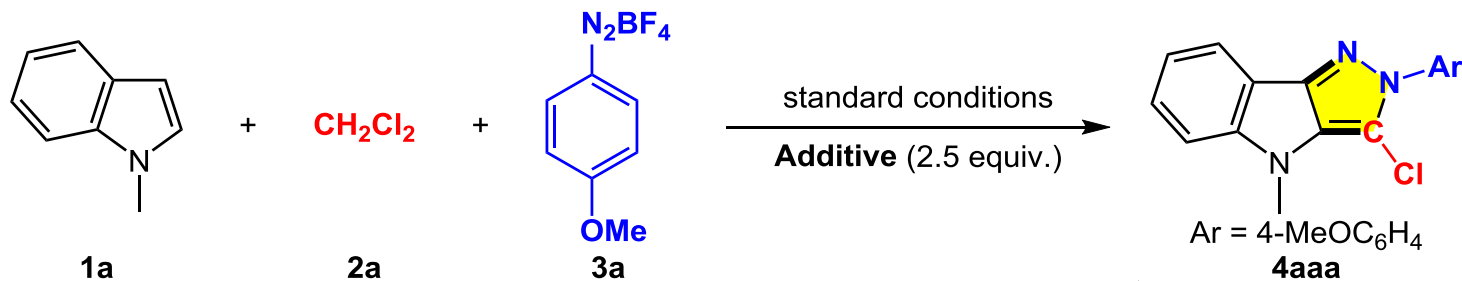
Aryldiazonium Salt-Triggered [2 + 2 + 1] Heteroannulation of Indoles by an Arylhydrazone Radical-Relayed 1,5-Hydrogen Atom Transfer



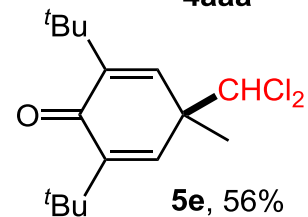
Ouyang, J.-Y.; Shen, F.-F.; Zhao, H.-Q.; Chen, J.-J.; Wen, Z.-D.; Jiang, H.-M.; Qin, J.-H.; Sun, Q.; Li, J.-H.; Ouyang, X.-H. *et al.* *Org. Lett.* **2023**, 25, 6549

Control Experiments

a) Radical trap experiments of indole (Ar = 4-MeOC₆H₄)

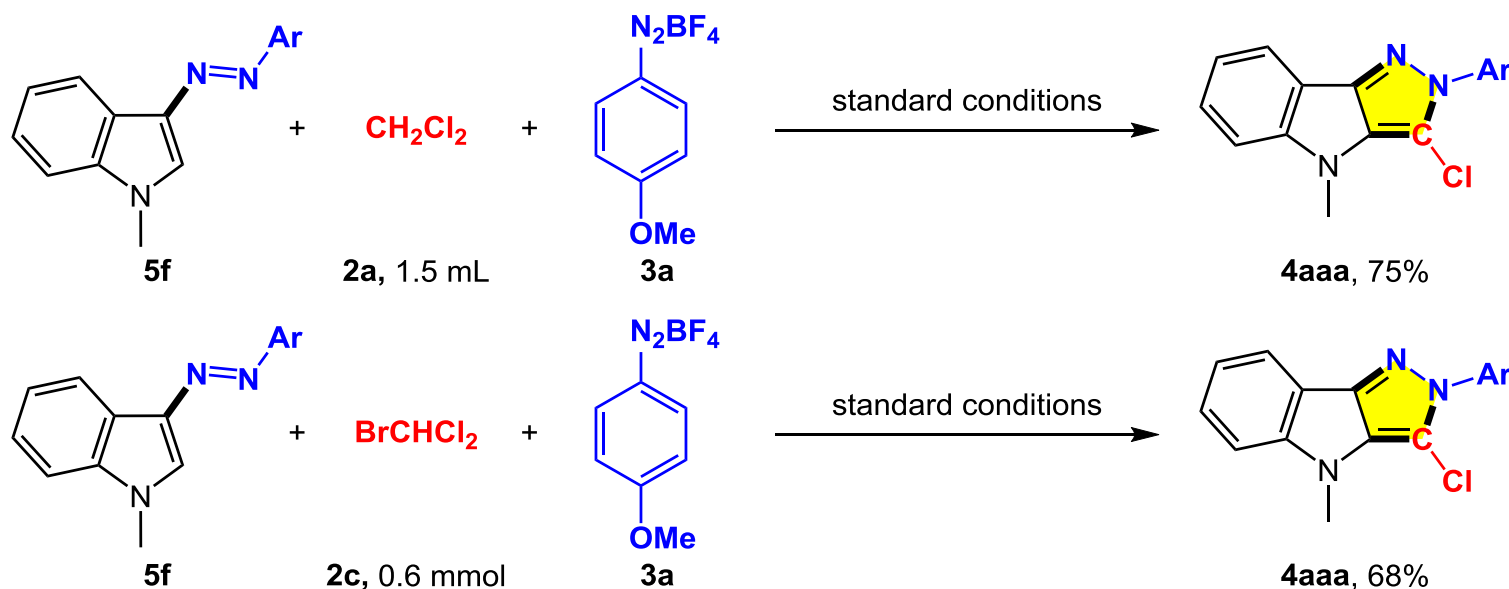


Additive	Yield of 4aaa
TEMPO	trace
2,6-di- <i>tert</i> -butyl-4-methylphenol	trace
hydroquinone	trace



Control Experiments

b) Experiment probing the possible intermediate (Ar = 4-MeOC₆H₄)



Tips

