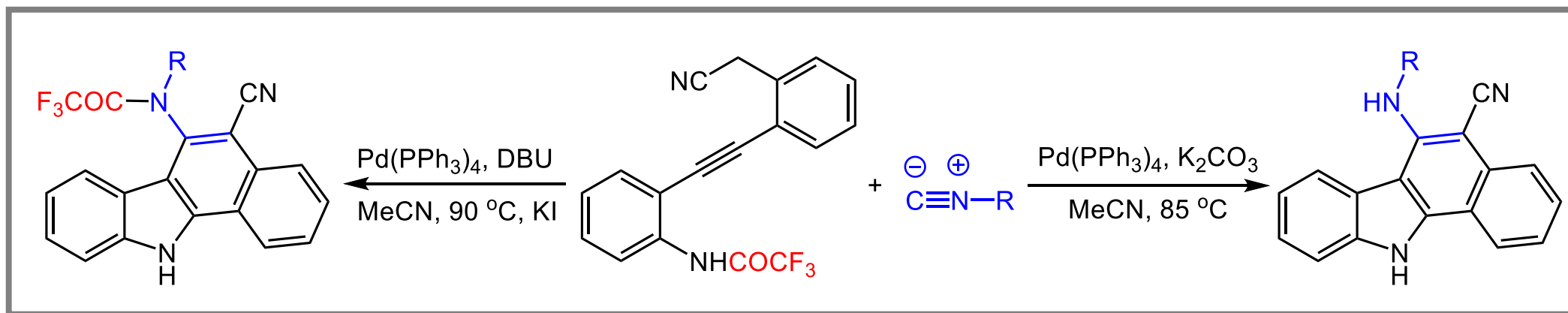


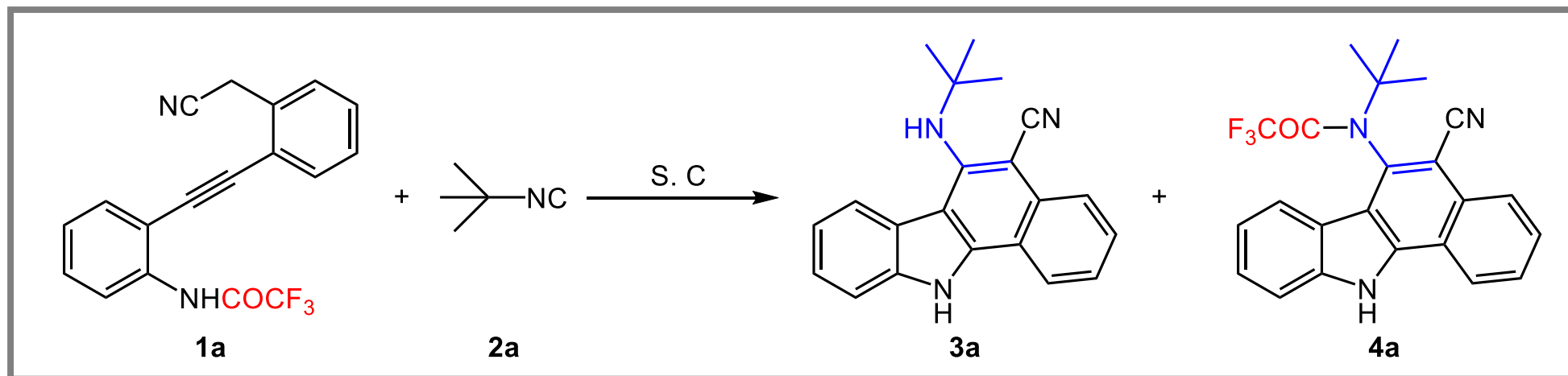
Mechanism Speculation XX Recommended by Chen Mu-Wang

Synthesis of Benzo[a]carbazoles via Pd-Catalyzed Tandem Cyclization of Diarylalkynes with Isocyanides



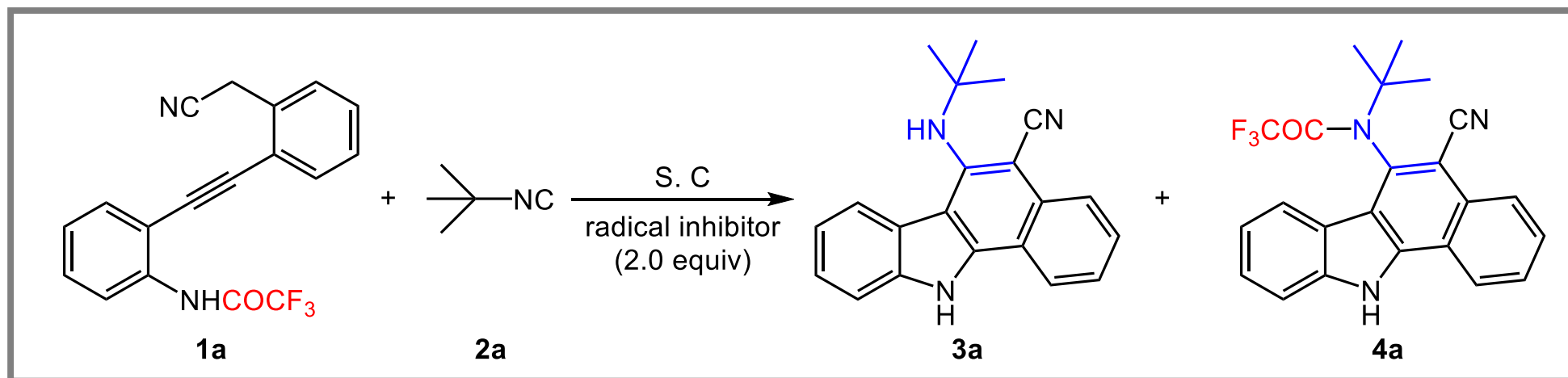
Wang, B.; Liu, S.; Chen, T.; jiang, H.; **Wu, W.** *Org. Lett.* **2025**, 27, 6316-6323

Control Experiment



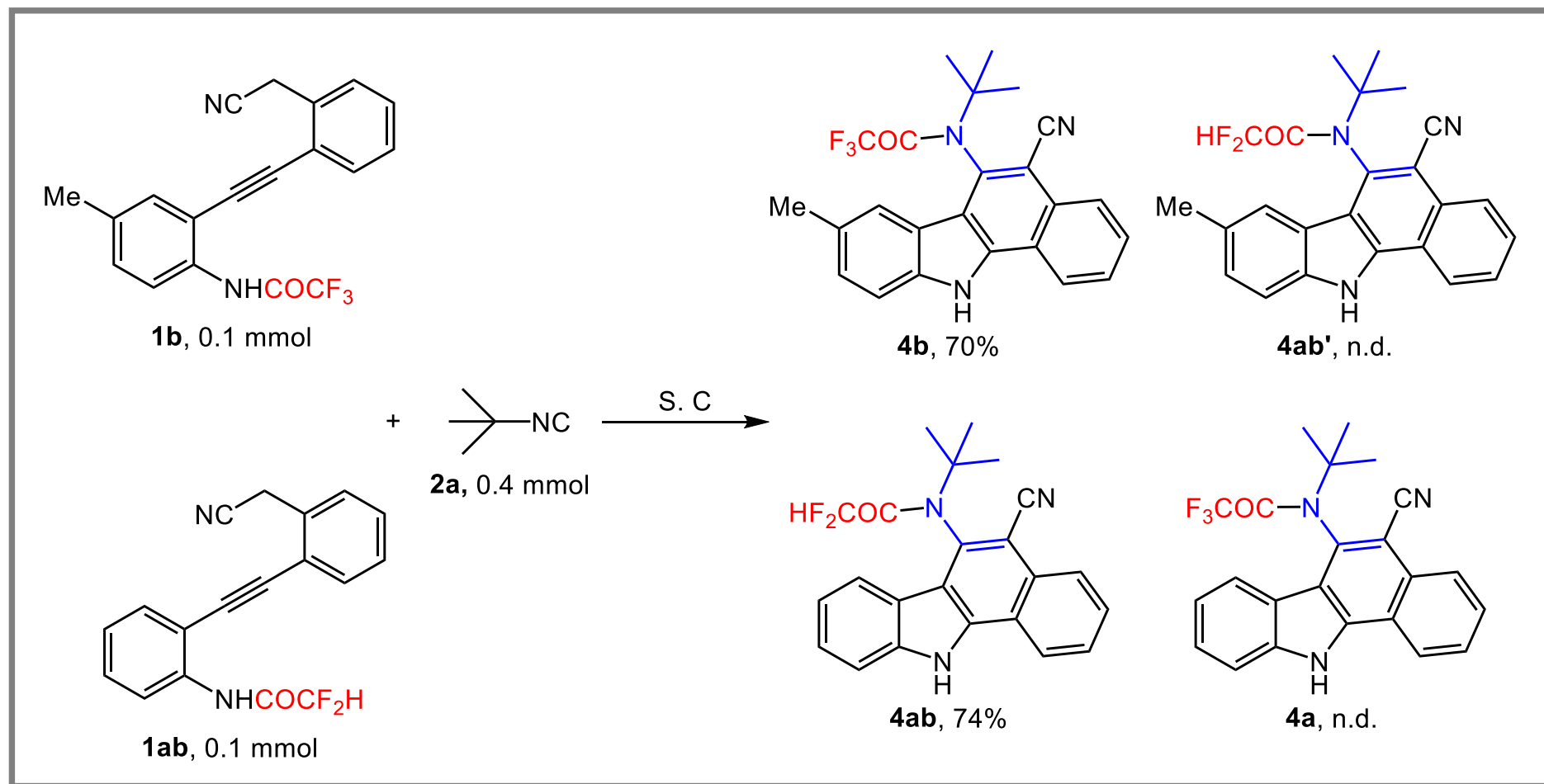
Entry	[Pd]	Base	Yield of 3a (%)	Yield of 4a (%)
1	/	K_2CO_3	15	8
2	$\text{Pd}(\text{PPh}_3)_4$	/	n.d.	n.d.
3	/	/	n.d.	n.d.

Control Experiment



Entry	Reaction condition	Radical inhibitor	Yield of 3a (%)	Yield of 4a (%)
1	Condiction A	TEMPO	76	n.d.
2	Condiction A	BHT	74	n.d.
3	Condiction B	TEMPO	n.d.	70
4	Condiction B	BHT	n.d.	73

Control Experiment



Proposed Mechanism

