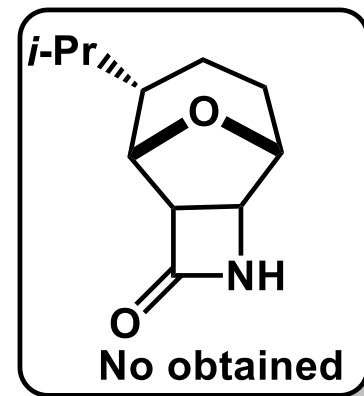
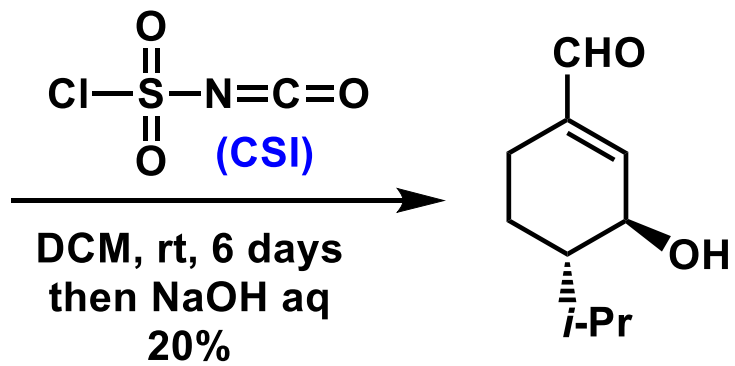
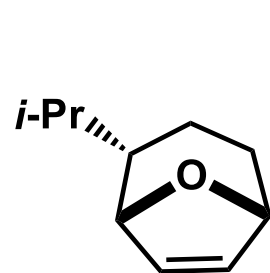
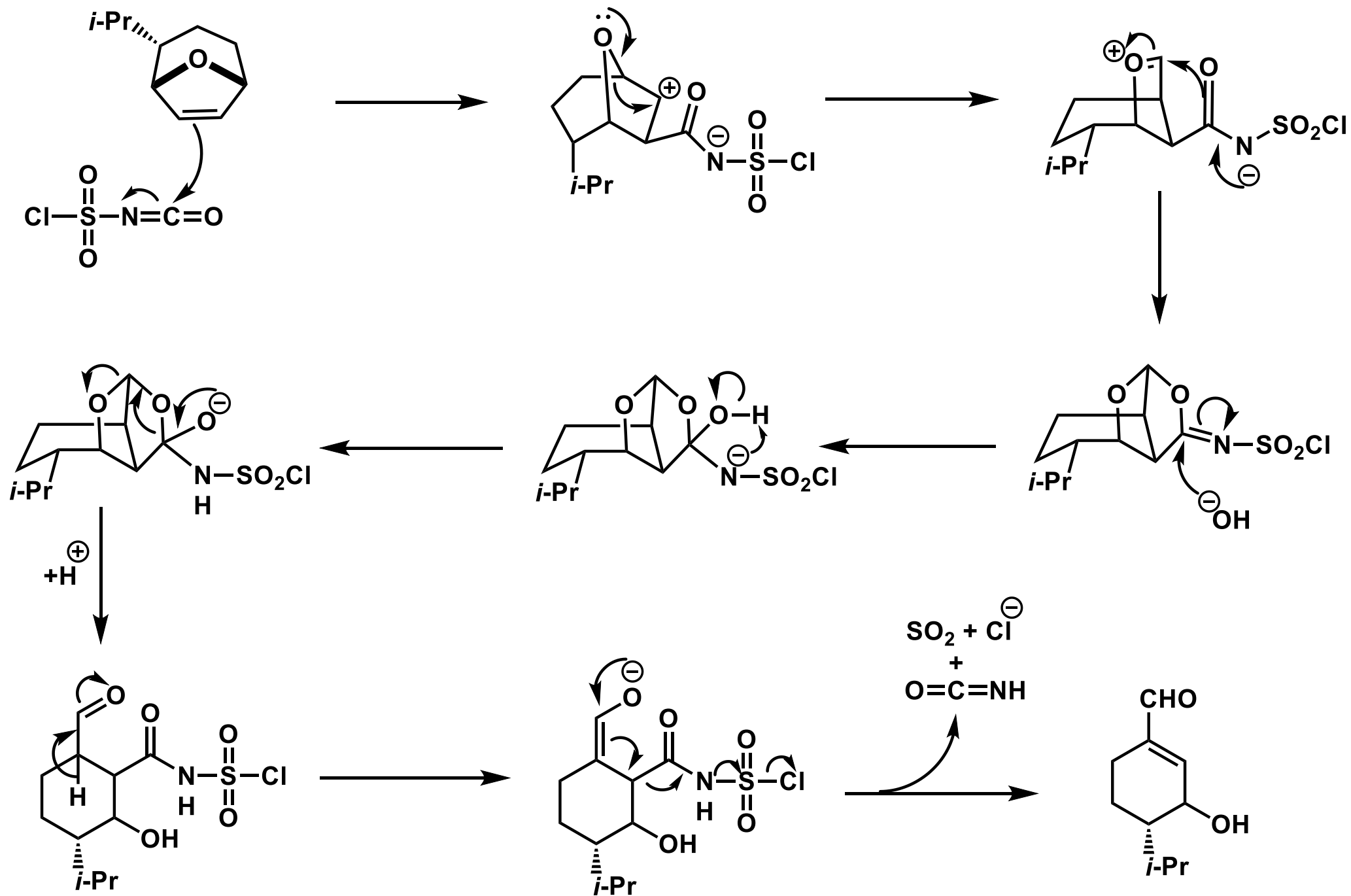


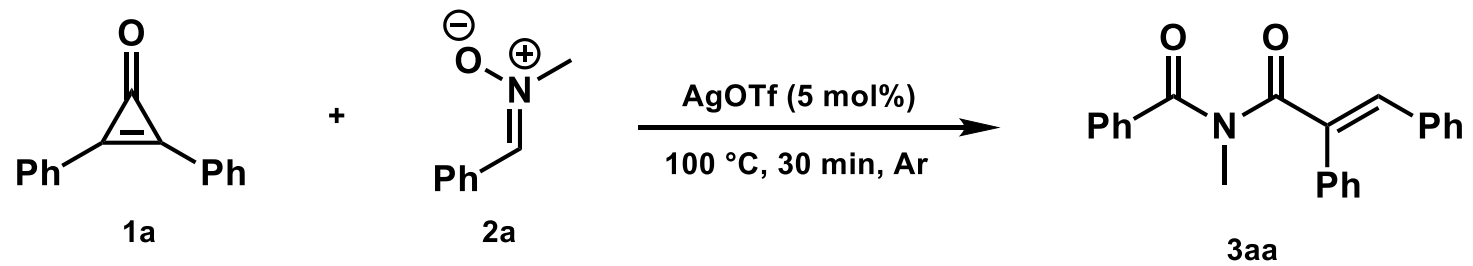
1.



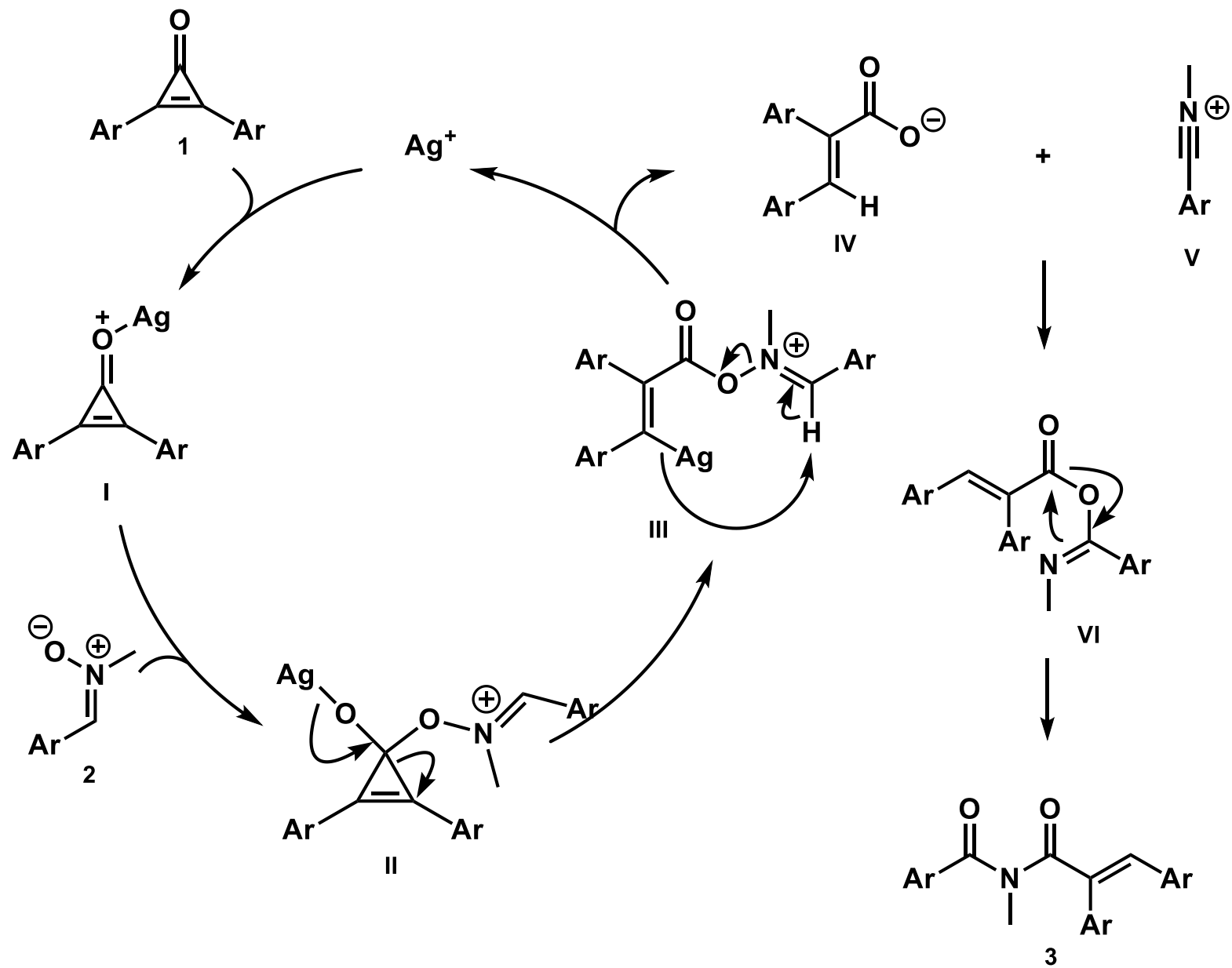
J. Chem. Soc., Perkin Trans I. 1993, 585.



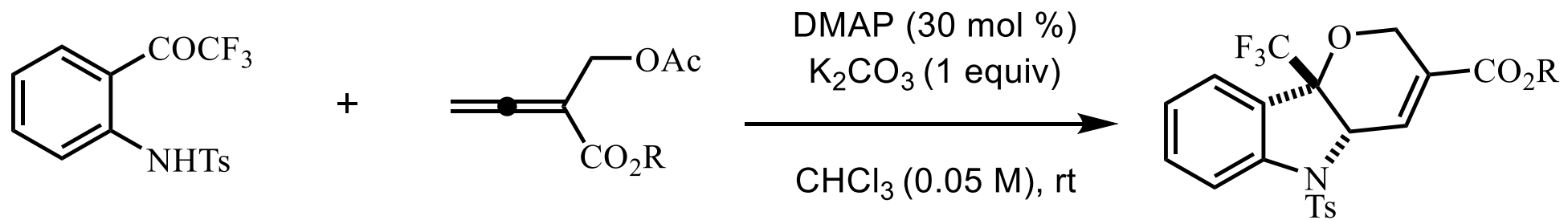
2.



DOI: [org/10.1021/acs.orglett.0c02099](https://doi.org/10.1021/acs.orglett.0c02099).

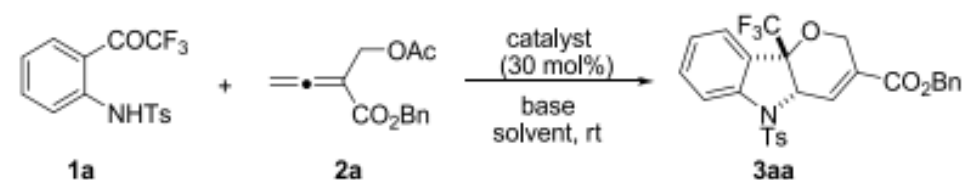


3.



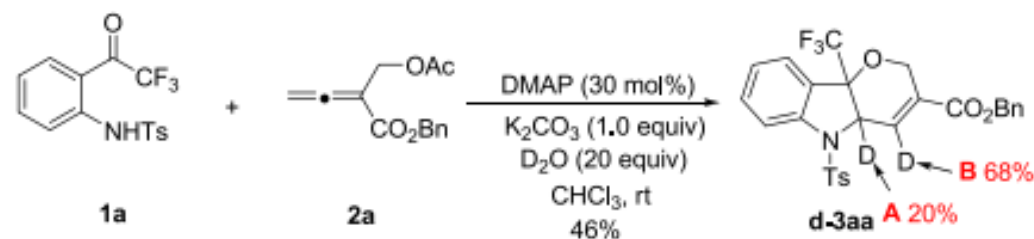
DOI: 10.1021/acs.orglett.0c02164.

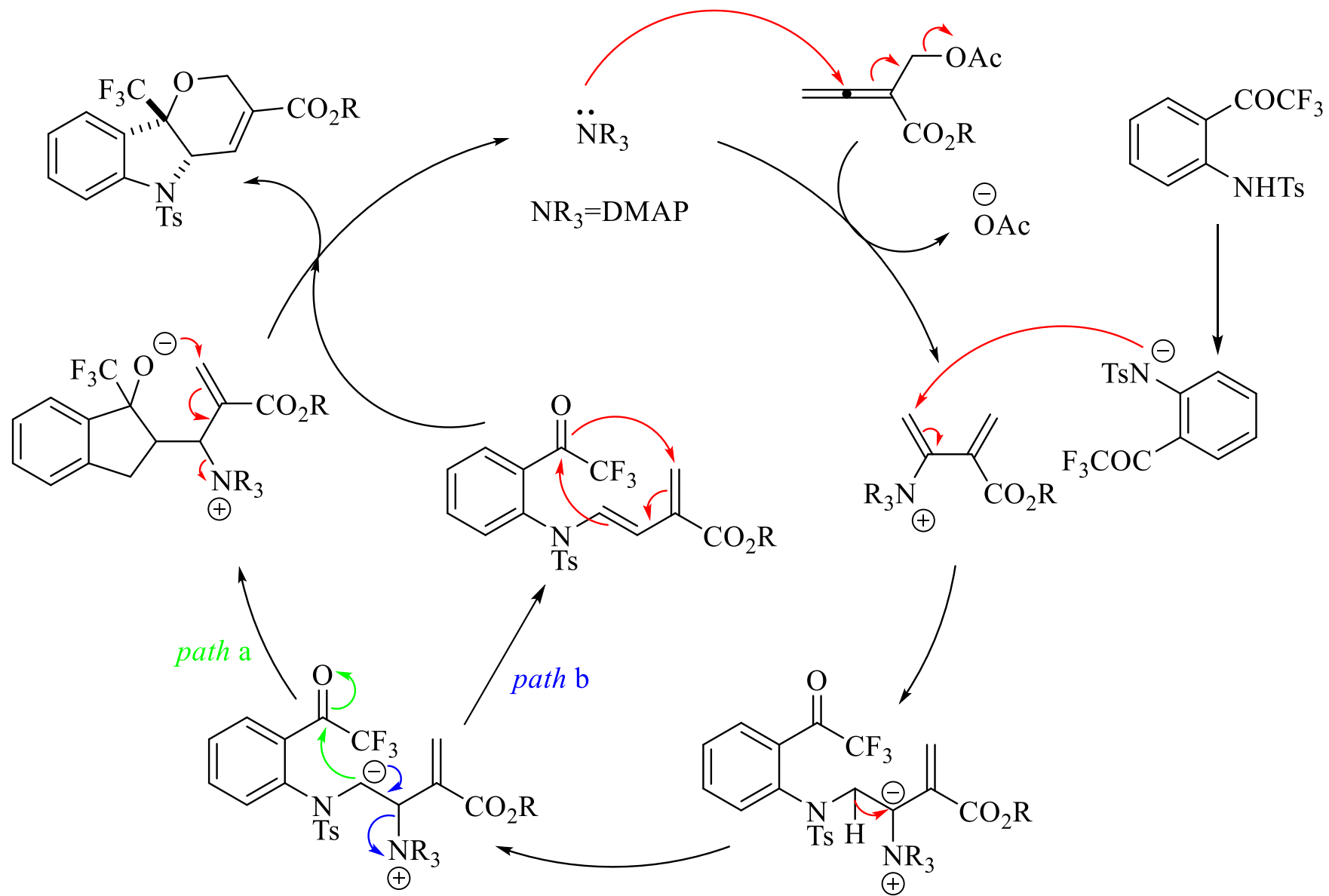
Table 1. Optimization of the Reaction Conditions^a



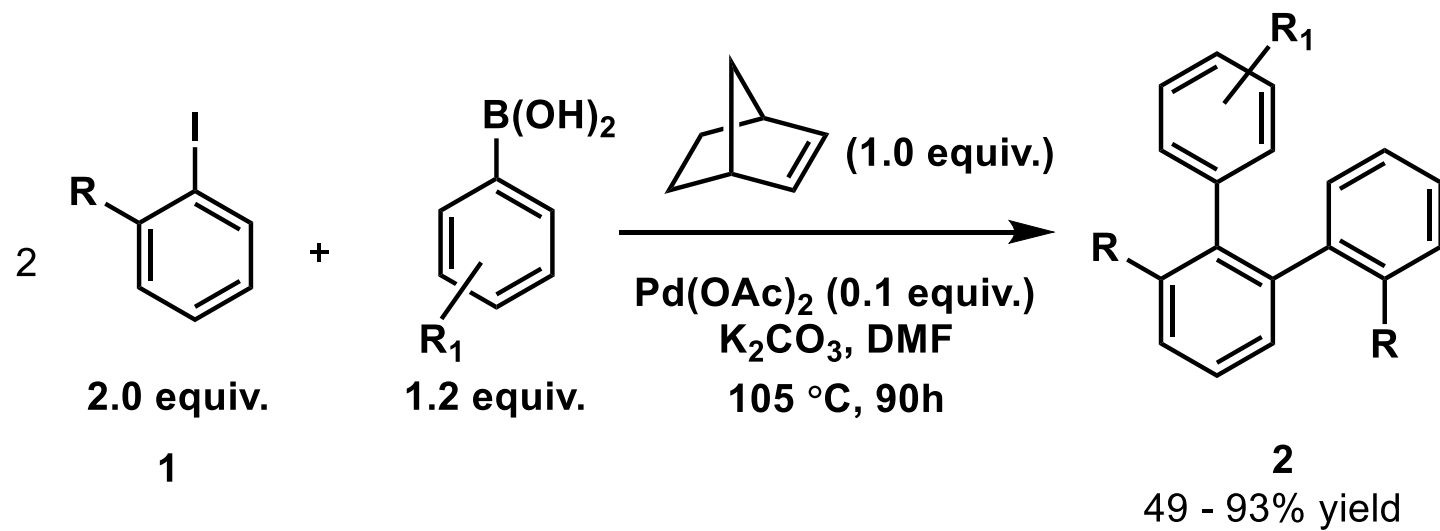
entry	catalyst	base (equiv)	solvent	yield (%) ^b	dr ^c
1	PPh_3	Cs_2CO_3 (1.2)	CHCl_3	0	—
2	DABCO	Cs_2CO_3 (1.2)	CHCl_3	0	—
3	DMAP	Cs_2CO_3 (1.2)	CHCl_3	44	>20:1
4	—	Cs_2CO_3 (1.2)	CHCl_3	0	—
5	DMAP	Na_2CO_3 (1.2)	CHCl_3	57	>20:1
6	DMAP	K_2CO_3 (1.2)	CHCl_3	61	>20:1
7	DMAP	Et_3N (1.2)	CHCl_3	48	>20:1
8	DMAP	CH_3ONa (1.2)	CHCl_3	trace	>20:1
9	DMAP	—	CHCl_3	45	>20:1

Scheme 5. Deuterium Labeling Experiment





4.



Acc. Chem. Res. **2016**, *49*, 1389–1400.

