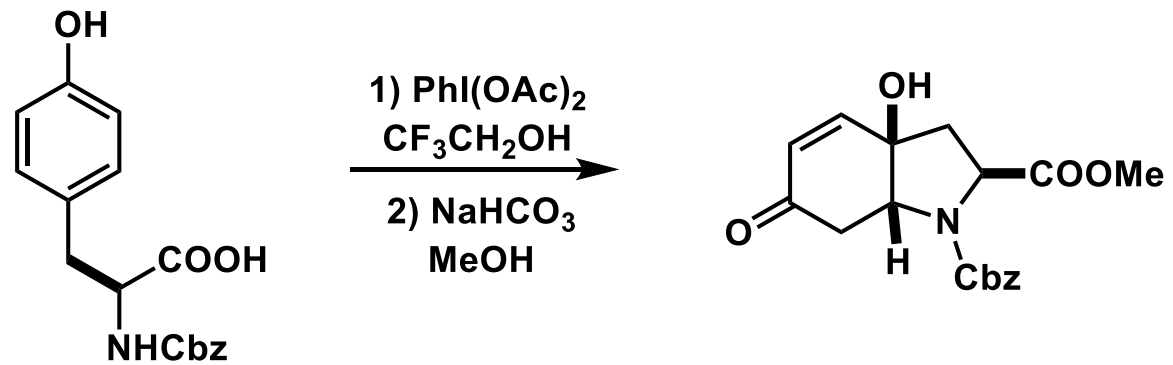
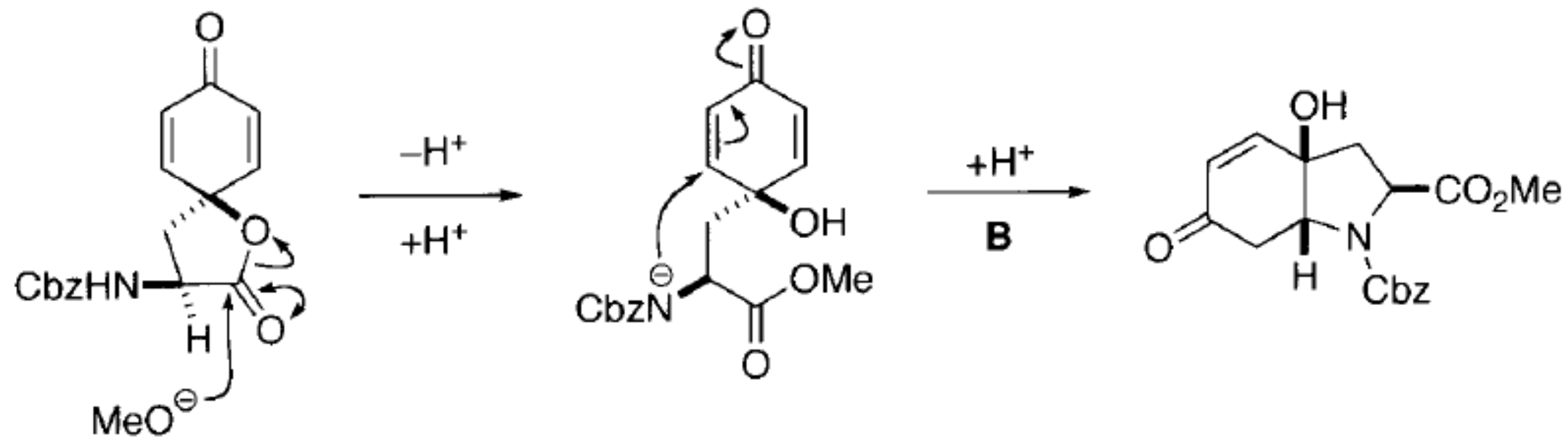
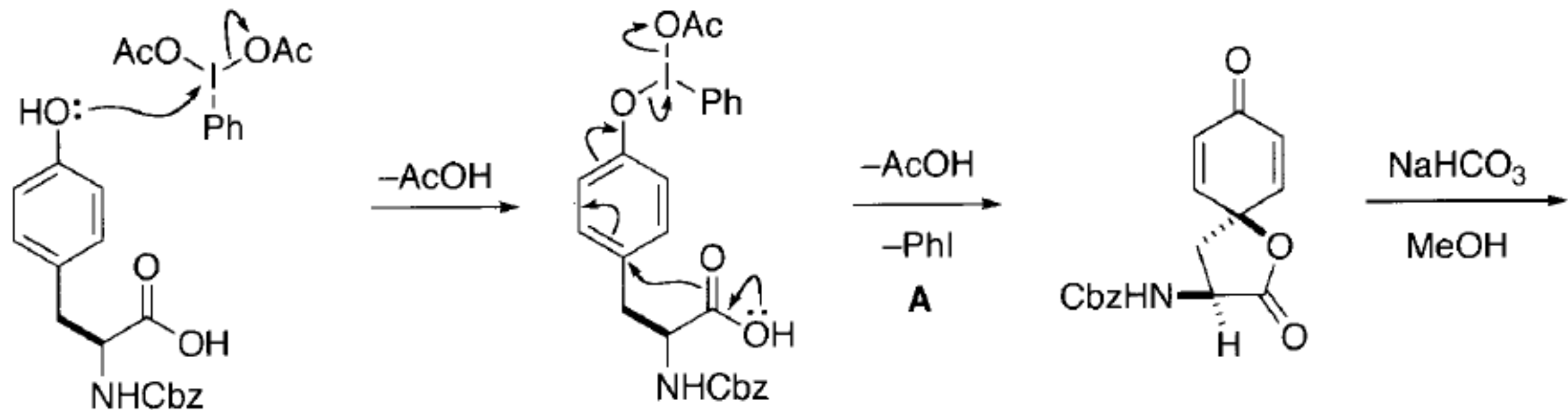
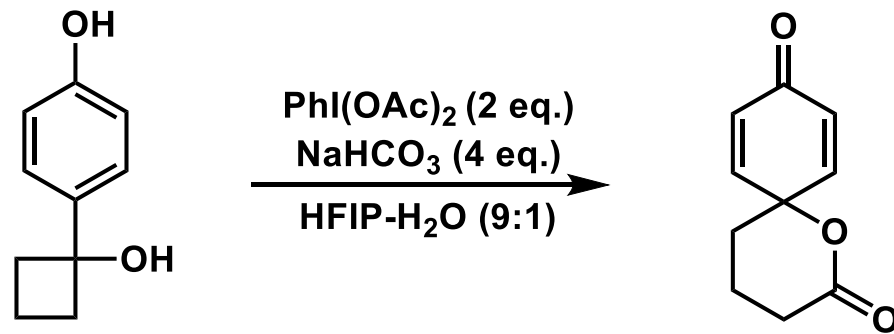


1.

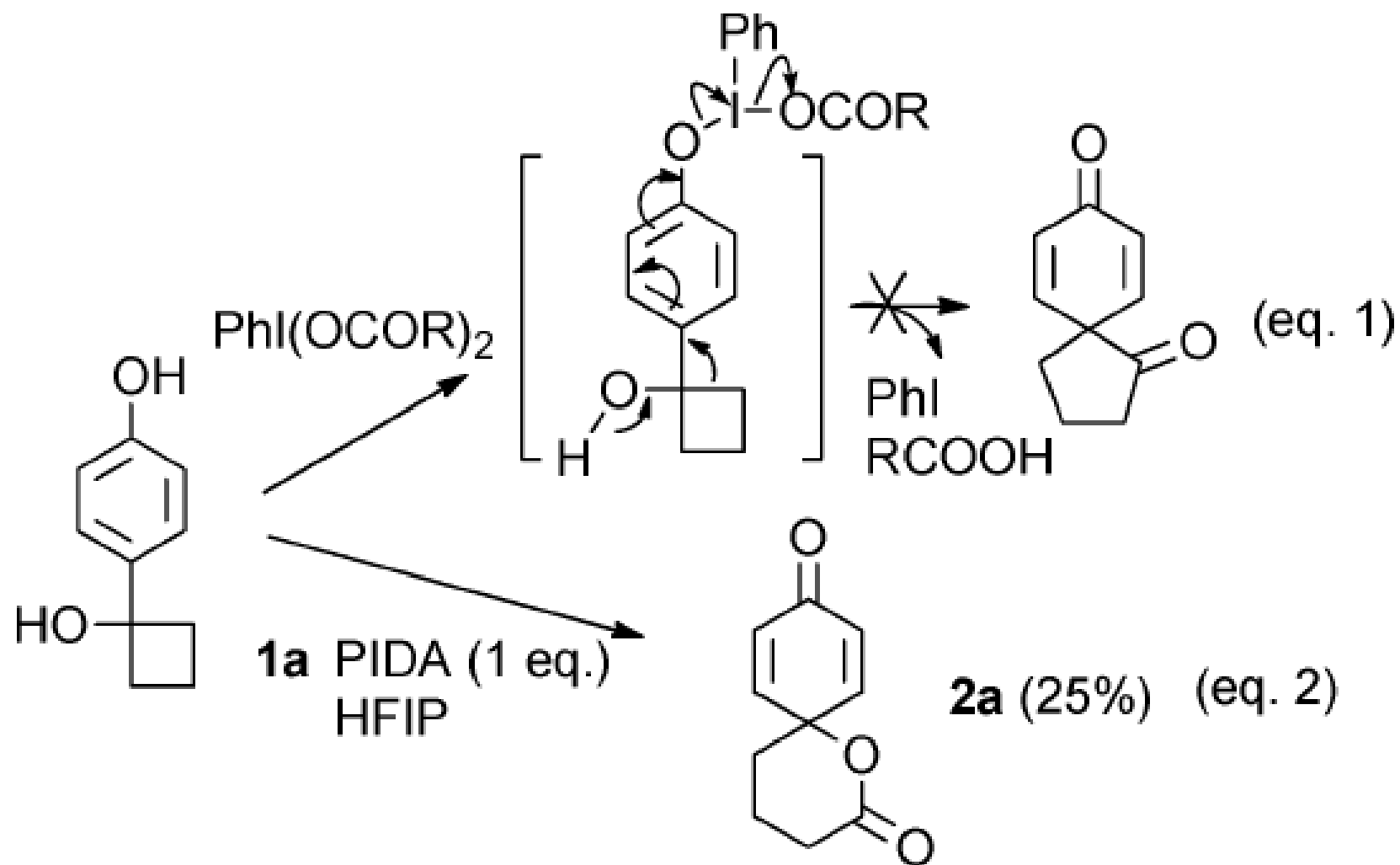




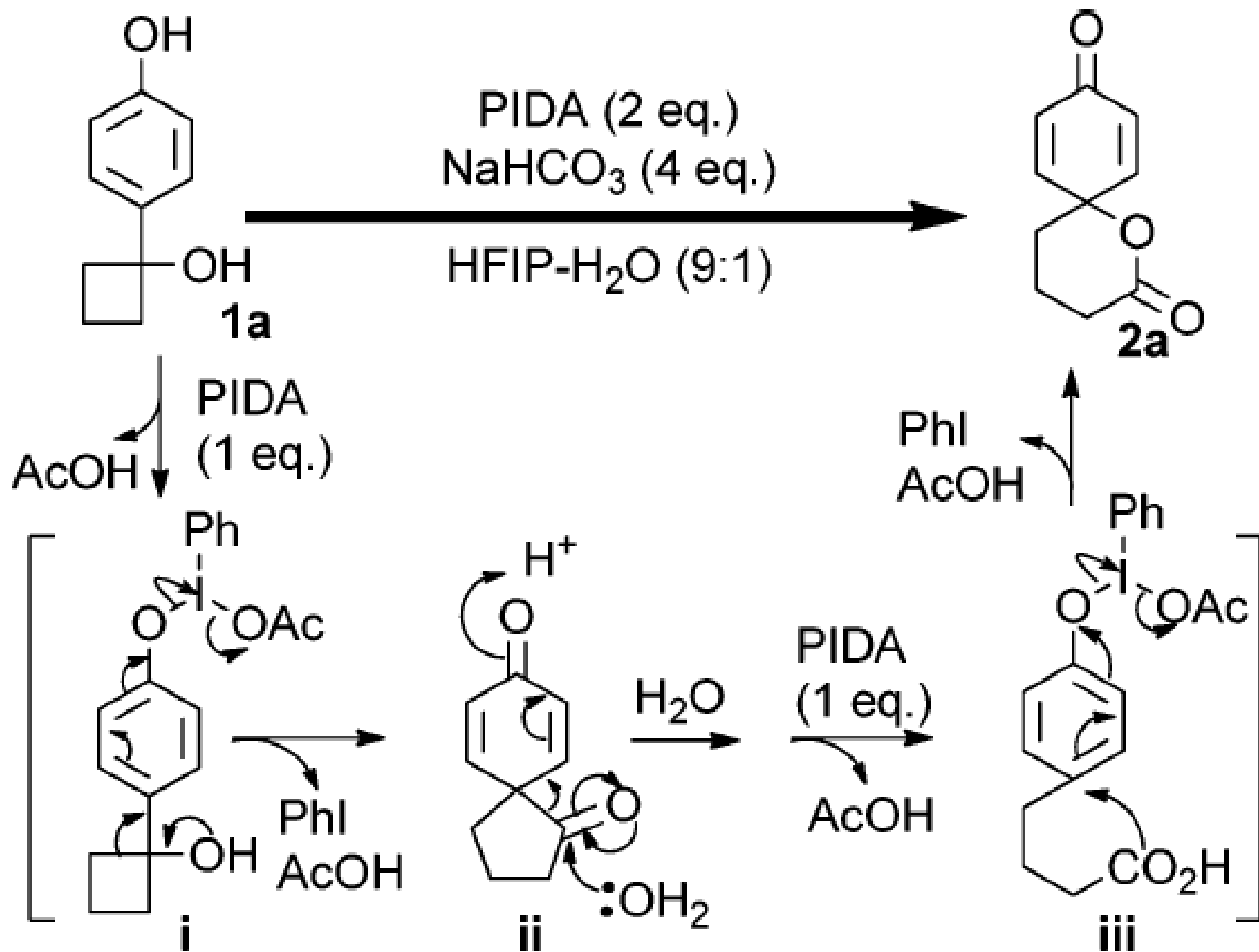
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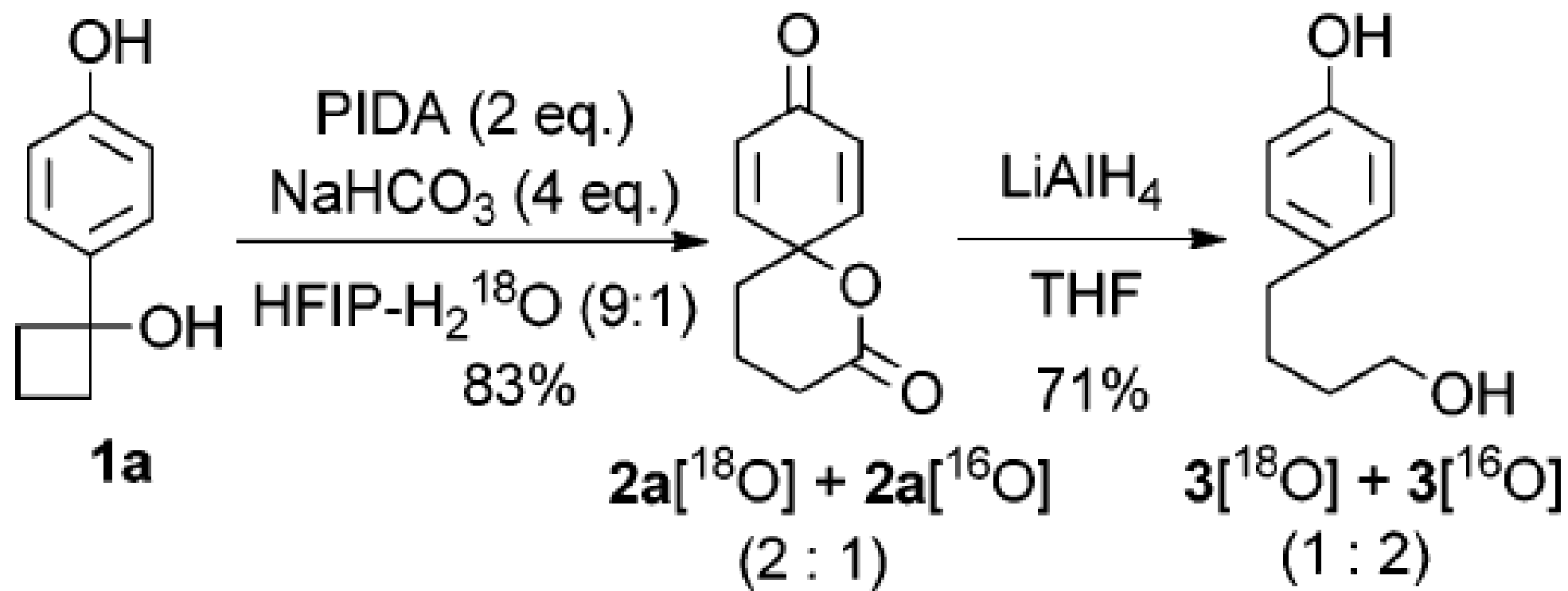


Chem. Commun., **2010**, 46, 4133.

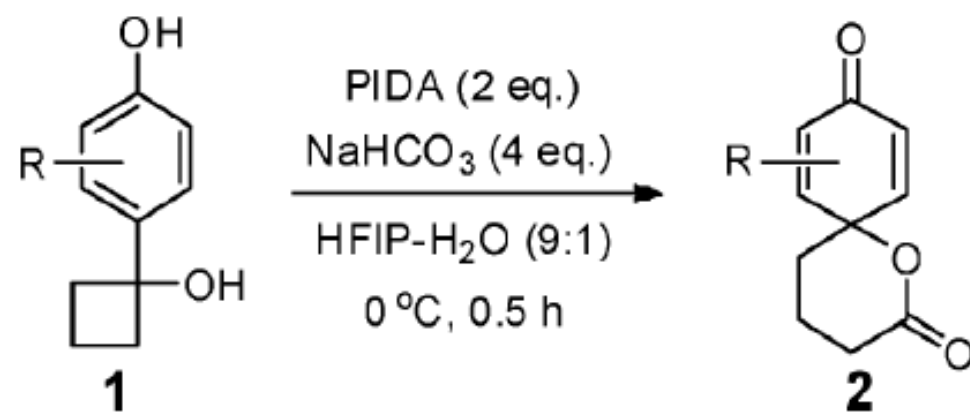


Scheme 2



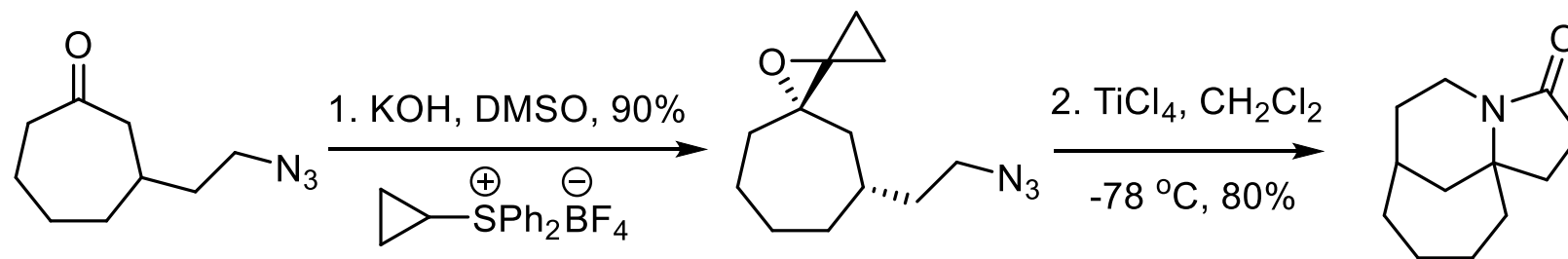


Scheme 4

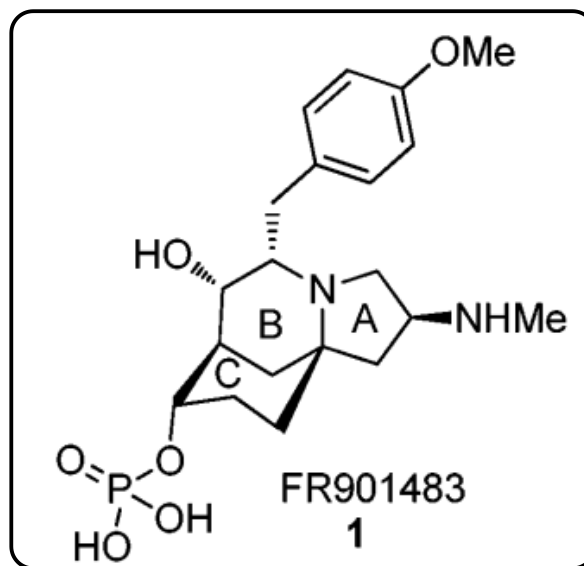
Table 2 Synthesis of spiro[5.5]lactone compounds

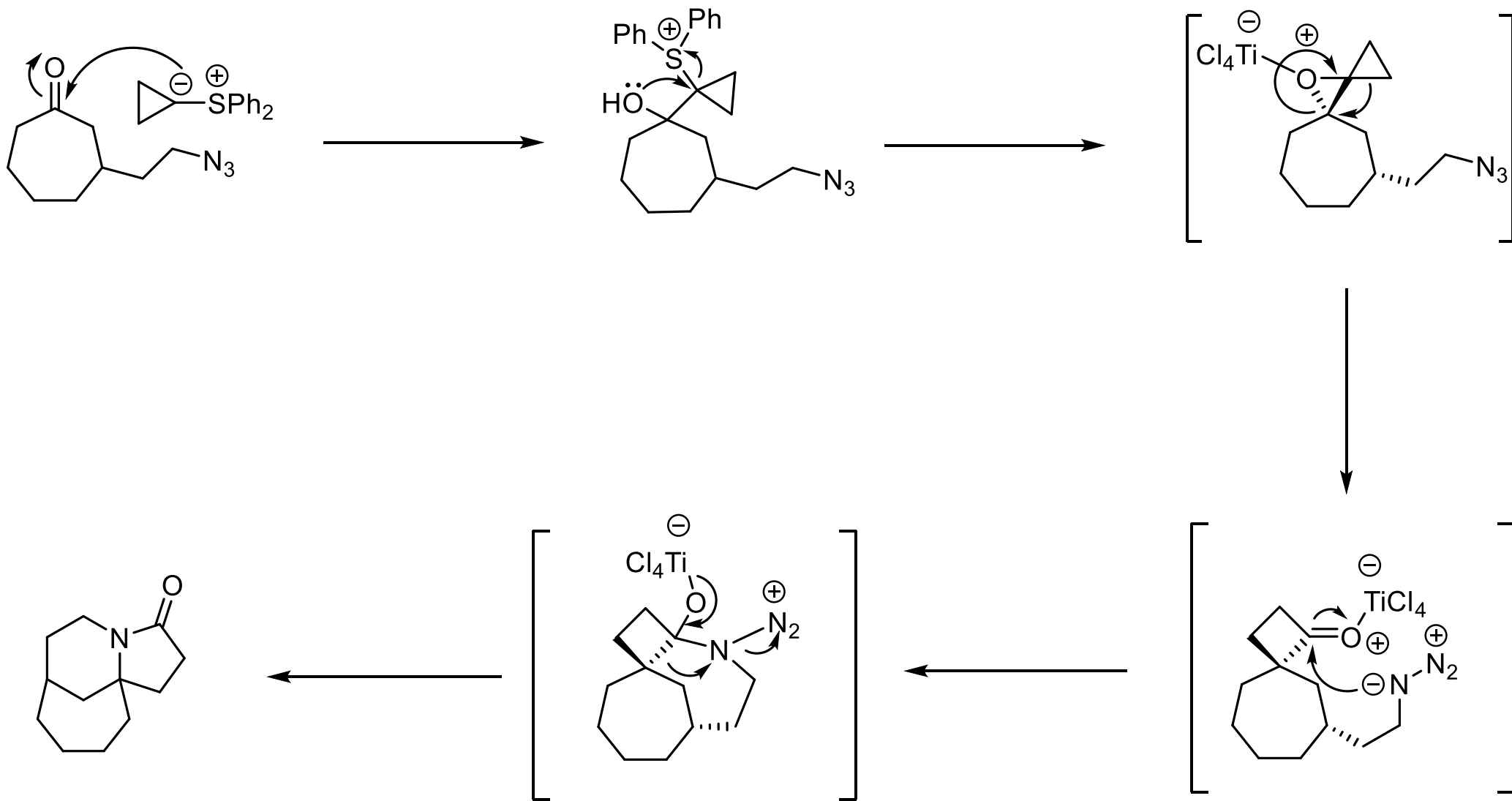
Entry	Substrate	Yield		Entry	Substrate	Yield	
		Product	(%)			Product	(%)
1	1a 	2a	75	4	1d 	2d	77
2	1b 	2b	76	5	1e 	2e	54
3	1c 	2c	64				

3.

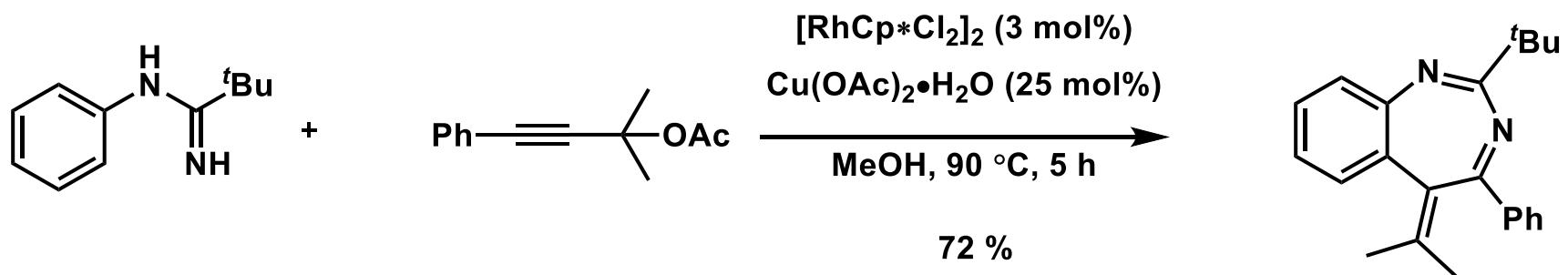


Chem. Commun. **2012**, *48*, 5778.

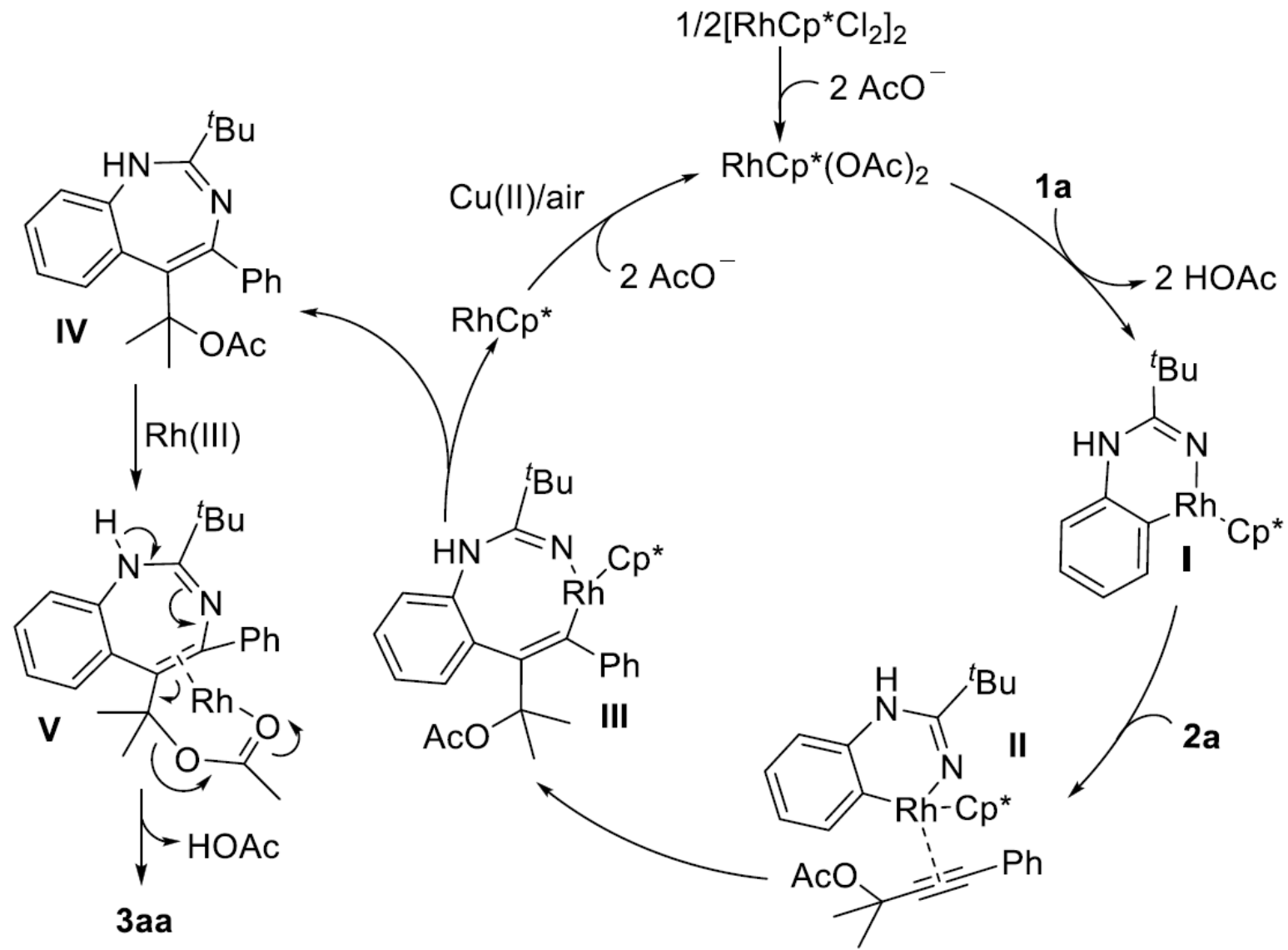




4.



DOI: 10.1021/acs.orglett.0c03515.



Scheme 4. Mechanistic Studies

