

Table 1 Optimization of Reaction Conditions^a

Entry	Base (equiv)	Solvent	Time (min)	3a Yield ^b (%)	4a Yield ^b (%)
1	DBU (0.5)	DMF	5	38	14
2	DBU (1.0)	DMF	4	65	10
3 ^c	DBU (1.5)	DMF	4	72	5
4 ^c	DBU (2.0)	DMF	4	66	5
5	DBN (2.0)	DMF	4	35	10
6	NaOH (1.5)	DMF	8	41	7
7 ^d	DABCO (1.5)	DMF	30	---	---
8 ^d	Et ₃ N (1.5)	DMF	30	---	---
9 ^d	Cs ₂ CO ₃ (1.5)	DMF	30	---	---
10	DBU (1.5)	MeCN	5	64	12
11	DBU (1.5)	THF	8	61	15
12	DBU (1.5)	CH ₂ Cl ₂	8	35	18
13	DBU (1.5)	Toluene	6	61	17

^a Reaction conditions: **1a** (0.2 mmol), **2** (0.3 mmol), base (0.1-0.4 mmol), solvent (1.5 mL), at room temperature for 4-30 min. ^b Estimated by ¹H NMR spectroscopy using dimethyl phthalate as an internal standard. ^c Isolated yield. ^d Complex mixture was obtained.