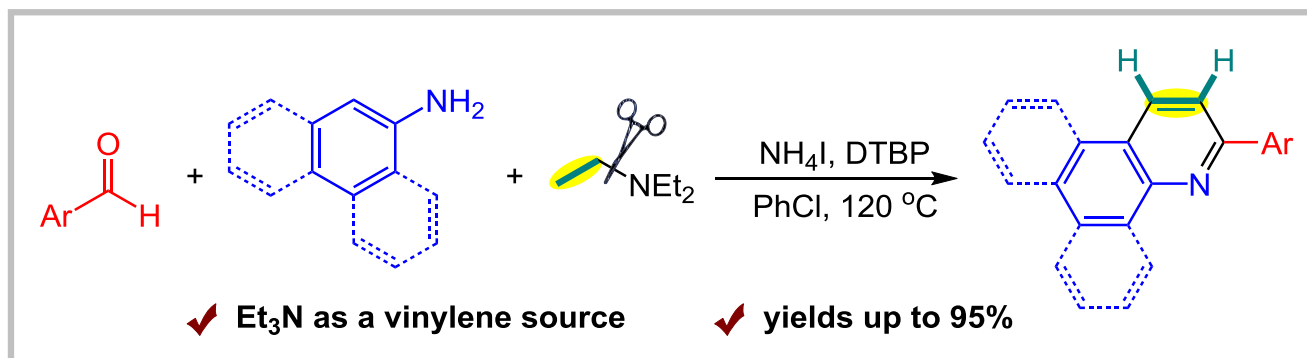




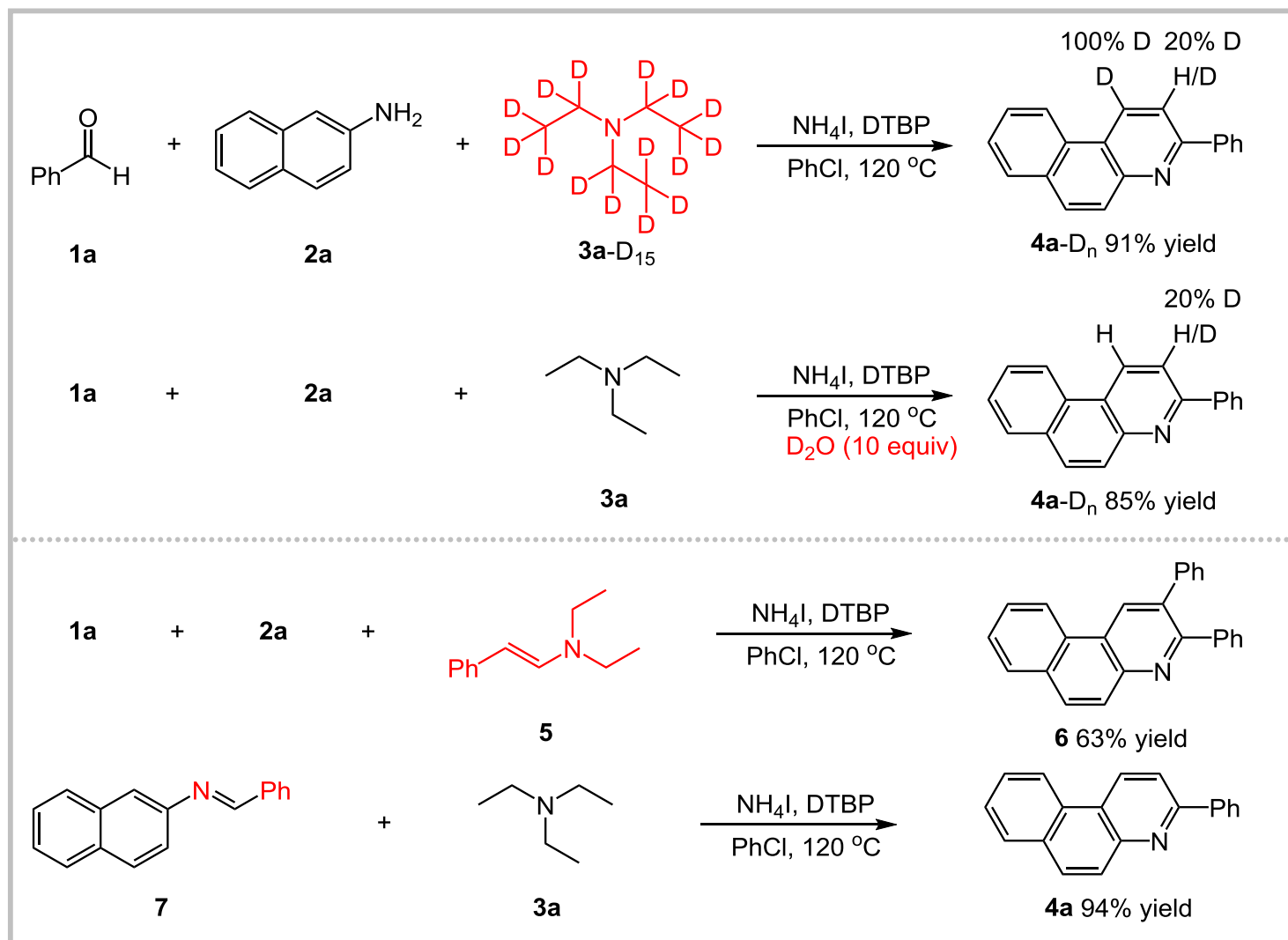
Mechanism Speculation III Recommended by Wen-Jun Huang

Deaminative Cyclization of Tertiary Amines for the Synthesis of 2-Arylquinoline Derivatives with a Nonsubstituted Vinylene

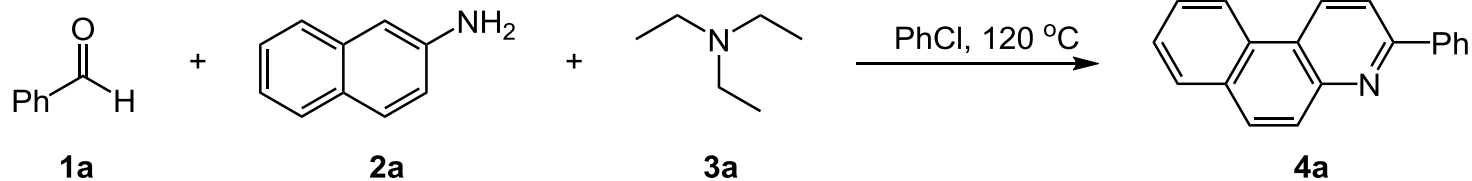


Gao, Q.; Guo, Y.; Sun, Z.; He, X.;
Gao, Y.; Fan, G.; Cao, P.; Fang, L.; Bai, S.; Jia, Y. *Org. Lett.* **2023**, 25, 109

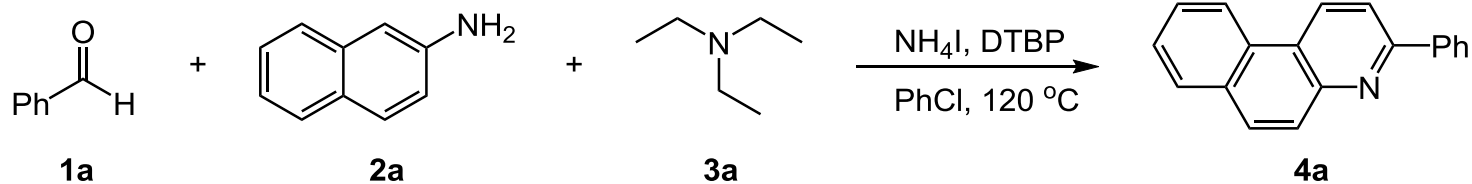
Control Experiments



Control Experiments



additive	yield of 4a
DTBP (2.0 equiv)	trace
NH ₄ I (1.5 equiv), O ₂	57%
NH ₄ I (1.5 equiv), Ar	43%
NH ₄ I (1.5 equiv), DTBP (2.0 equiv), Ar	80%



additive	yield of 4a
TEMPO (2.0 equiv)	91%
BHT (3.0 equiv)	84%

Proposed Mechanism

