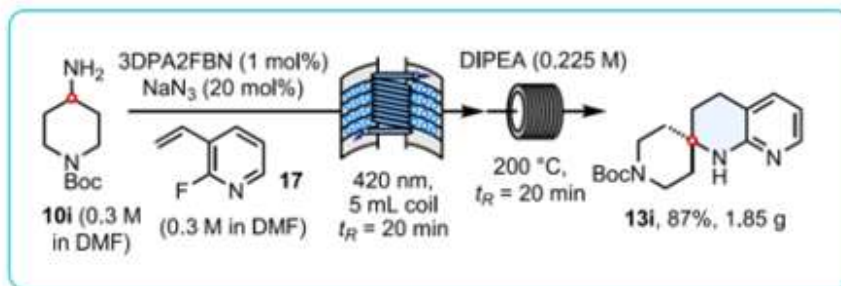


Publication 75: Synthesis of Spirocyclic Tetrahydronaphthyridines from Primary Alkylamines



Photoredox-catalysed hydroaminoalkylation of halogenated vinyl pyridines followed by an intramolecular S_NAr cyclisation affords a concise synthesis of tetrahydronaphthyridines in high yields under continuous flow-through conditions.

Sterically constrained tetrahydronaphthyridines are a valuable scaffold in drug discovery.

The photo-catalysed HAA reaction was found to work most efficiently at 420nm using an Asynt PhotoSyn photoflow reactor.

[Q. Cao, J. D. Tibbetts, G. L. Wrigley, A. P. Smalley, A. J. Cresswell, Communications Chemistry, 2023, s42004-023-01012-2](#)

