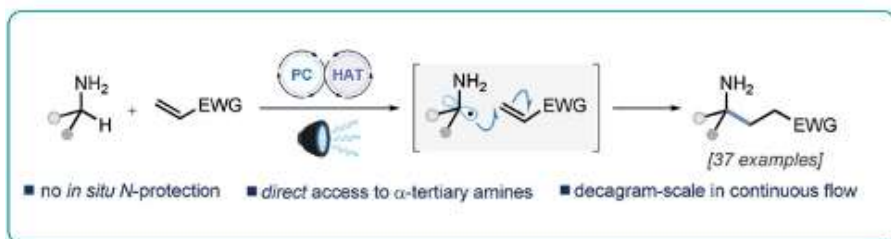


Publication 73: C-H Alkylation of Unmasked Primary Amines under Photocatalytic HAT Conditions



A photocatalytic protocol for the α -C-H alkylation of *unprotected* primary amines that is amenable to the direct synthesis of α -tertiary primary amines is reported.

The reaction has broad scope and affords good yields with a broad range of substrates.

The PhotoSyn was utilised to demonstrate that this process is readily scalable in continuous flow to provide access to decagram quantities of valuable gamma-lactams and azaspirocycles, for application in drug discovery.

[A. S. H. Ryder, W. B. Cunningham, G. Ballantyne, T. Mules, A. G. Kinsella, J. Turner-Dore, C. M. Alder, L. J. Edwards, B. S. J. McKay, M. N. Grayson, A. J. Cresswell, *Angew. Chem. Int. Ed.* 2020, 59, 35, 14986-14991](#)

