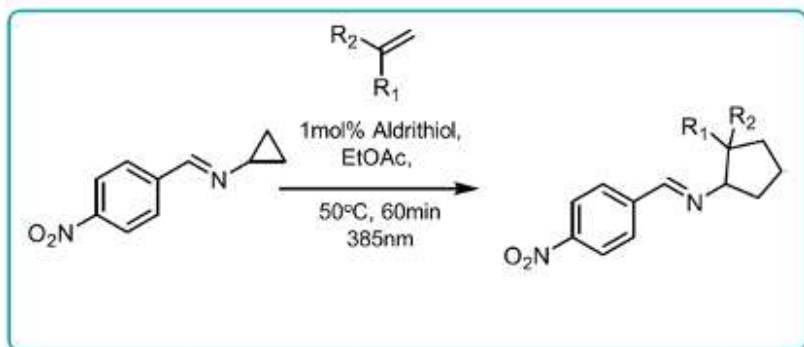


Publication 72: A One-Pot Photochemical Method for the Generation of Functionalised Aminocyclopentanes



Iminocyclopropanes were converted into functionalised aminocyclopropanes in the presence of functionalised alkenes in a formal [3+2] cycloaddition. Formation of the requisite N-centred diyl radical was promoted under photochemical conditions by irradiation with violet light.

The reaction could be considerably accelerated under continuous flow-through conditions in the Asynt PhotoSyn at 385nm in the presence of Aldrithiol as a polymer inhibiting agent (4 - 90min) at 50 °C, thereby facilitating scale-up.

[J. L. Collins, D. Staveness, M. J. Sowden, C. R. J. Stephenson, *Organic Letters*, 2022, 24, Issue 24](#)

