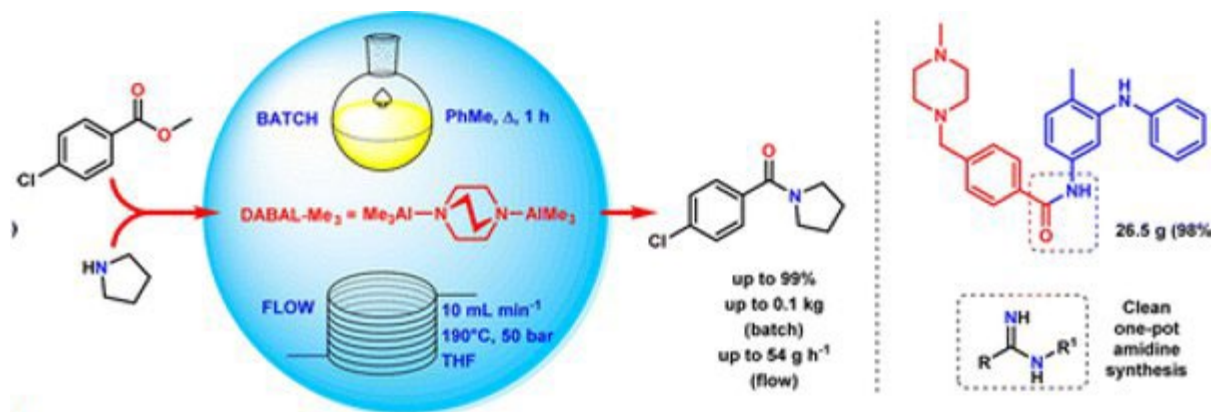


Publication 46: Investigating Scale-Up and Further Applications of DABAL-Me₃ Promoted Amide Synthesis



Amides, amidines and amidrazones have been prepared on up to 100g scale from the corresponding esters using DABAL-Me₃. A derivative of Imatinib (Gleevec) was prepared on a 26g scale.

Continuous flow methodology was shown to provide a useful method for larger scales (productivities of >50 g h⁻¹) and could be performed successfully on a smaller laboratory scale using a FlowSyn flow synthesiser.

[D. S. Lee, Z. Amara, M. Poliakoff, T. Harman, G. Reid, B. Rhodes, S. Brough, T. McInally, S. Woodward, *Org. Process Res. Dev.*, 2015: DOI: 10.1021/acs.oprd.5b00101](#)