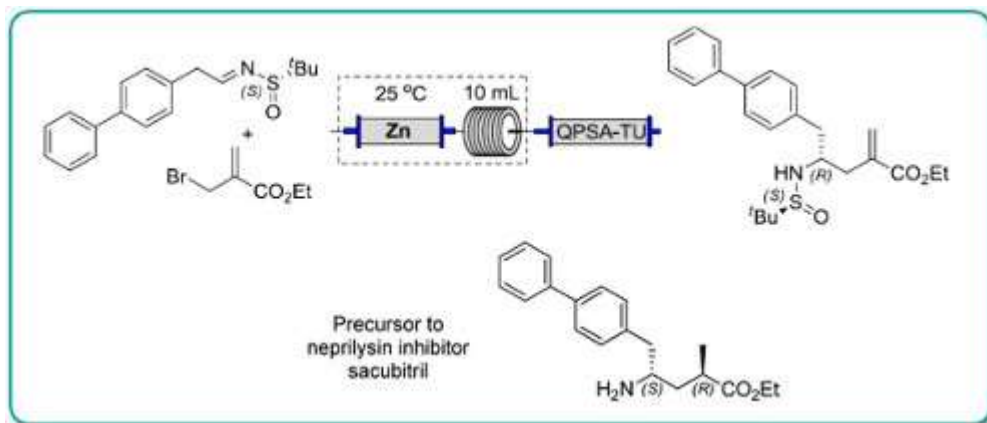


Publication 56: Synthesis of a Precursor to Sacubitril Using Enabling Technologies



Continuous flow methodology has been used to enhance several steps in the synthesis of a precursor to Sacubitril.

In particular, a key carboethoxyallylation benefited from a reduced processing time and improved reproducibility, the latter attributable to avoiding the use of a slurry as in the batch procedure. Moreover, in batch exothermic formation of the organozinc species resulted in the formation of side products, whereas this could be avoided in flow because heat dissipation from a narrow packed column of zinc was more efficient.

[S.-H. Lau, S. L. Bourne, B. Martin, B. Schenkel, G. Penn, S. V. Ley, *Org. Lett.*, 2015, 17 \(21\), pp 5436–5439](#)