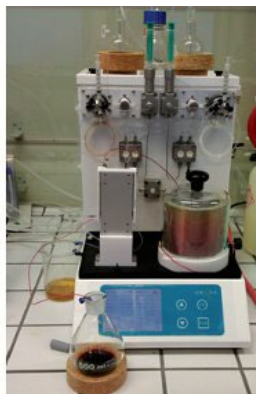
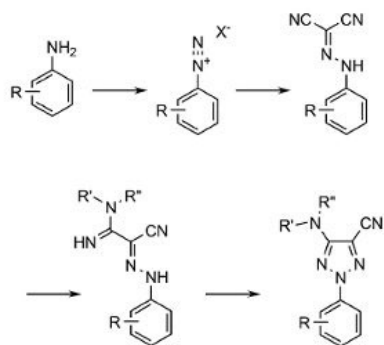


Publication 40: Multistep Flow Synthesis of 5-Amino-2-aryl-2H-[1,2,3]-triazole-4- carbonitriles



Using the Asynt FlowSyn flow chemistry system researchers from the UCB Biopharma, Belgium have developed a flow synthesis of 2-substituted 1,2,3-triazoles that demonstrates improvements over the conventional batch route.

The route involves the diazotisation of anilines and condensation with malononitrile followed by the nucleophilic addition of ammonia or an alkylamine and finally a novel copper catalysed cyclisation.

The intermediate azide was generated and consumed in situ which [enabled J. Jacq, P. Pasau, Chem Eur. J., 2014, 20, \(38\), 12223.](#)