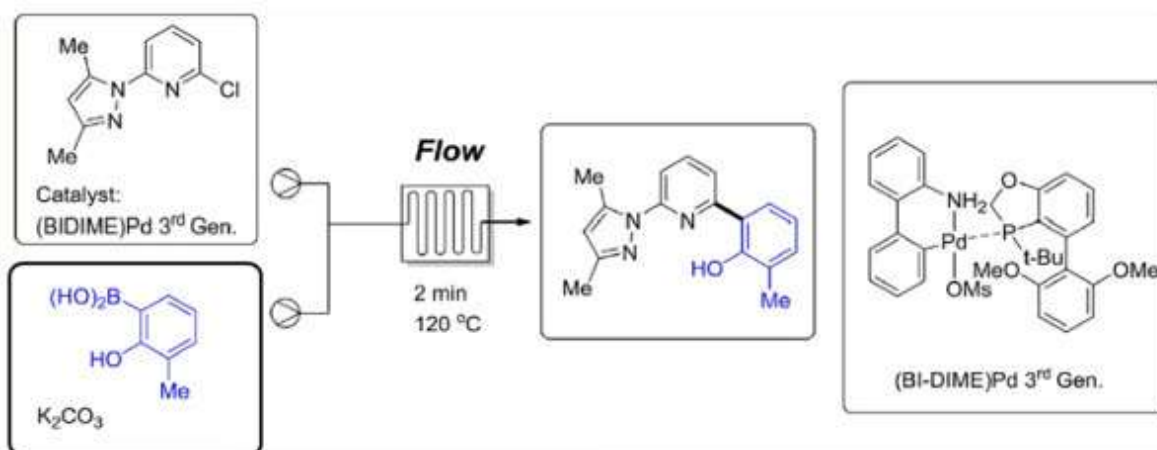


Publication 63: Application of a Preformed Pd-BIDIME Precatalyst to Suzuki- Miyaura Cross-Coupling Reaction in Flow



The application of a pre-formed 3rd generation Buchwald palladacycle containing a BIDIME ligand under was used to prepare a key biaryl intermediate in high yield and purity.

Under continuous flow conditions low conversions associated with catalyst deactivation under batch conditions were avoided and it was possible to utilise a short residence time under superheated conditions.

[J. D. Sieber, F. Buono , A. Brusoe, J.-N. Desrosiers, N. Haddad, J. C. Lorenz, Y. Xu, H. Wu, L. Zhang, Z. S. Han , F. Roschangar, J. J. Song, N. K. Yee, and C. H. Senanayake, *J. Org. Chem.*, 2019, DOI: 10.1021/acs.joc.8b03040](#)