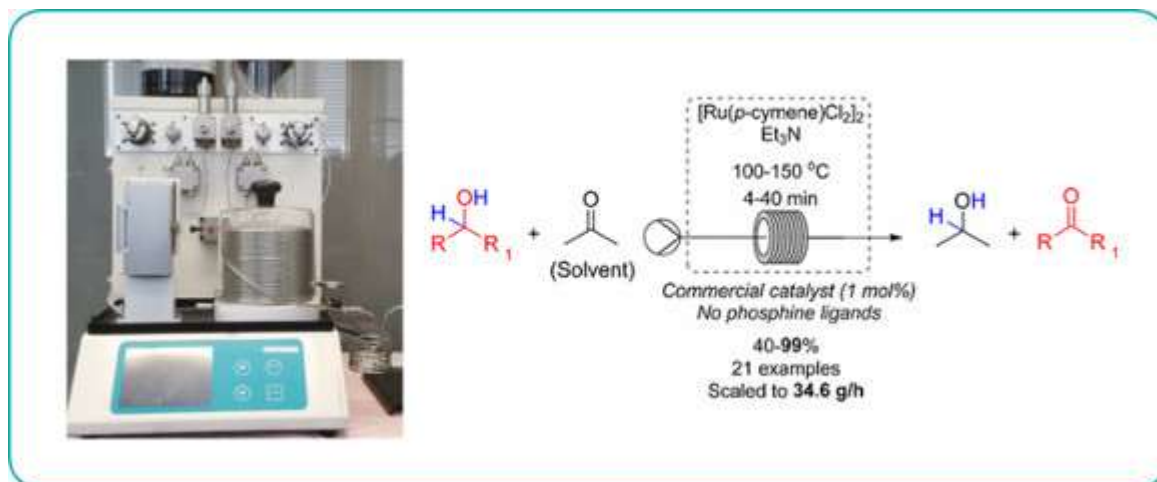


Publication 60: Chemoselective Ru-Catalysed Hydrogen Transfer Oxidation of Secondary Alcohols



An operationally straightforward continuous flow-through protocol for the chemoselective hydrogen transfer oxidation of secondary alcohols is reported.

The method uses a low loading (1 mol%) of [Ru(p-cymene)Cl₂]₂ in the presence of triethylamine in acetone as both solvent and oxidant and could be scaled up to a throughput of approximately 35g/h.

Soluble residual ruthenium could be effectively removed from the product using QuadraSil-MP.

[R. Labes, C. Battilocchio, C. Mateos, G. R. Cumming, O. de Frutos, J. A. Rinco'n, K. Binder, S. V. Ley, Org. Process. Res. Dev., 2017, ASAP](#)