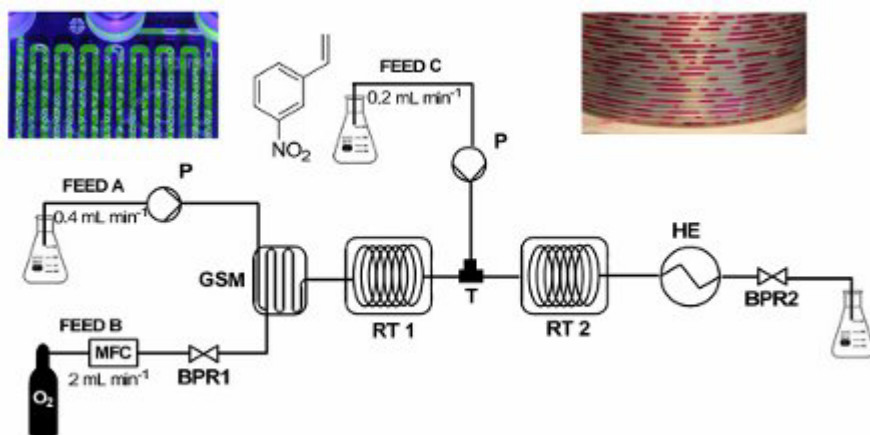


Publication 30: Continuous-Flow Transfer Hydrogenation of Olefins using in situ Generated Diimide



No catalyst required! A highly efficient, catalyst-free process for the selective reduction of alkenes has been developed.

The process uses a gas–liquid segmented flow regime to generate diimide in situ from hydrazine monohydrate and molecular oxygen under safe operating conditions and dramatically enhanced this atom-economical reaction, resulting in short processing times.

[B. Pieber, S. T. Martinez, D. Cantillo, C. O. Kappe, *Angew. Chem. Int. Ed.*, 2013, DOI: 10.1002/anie.201303528](#)