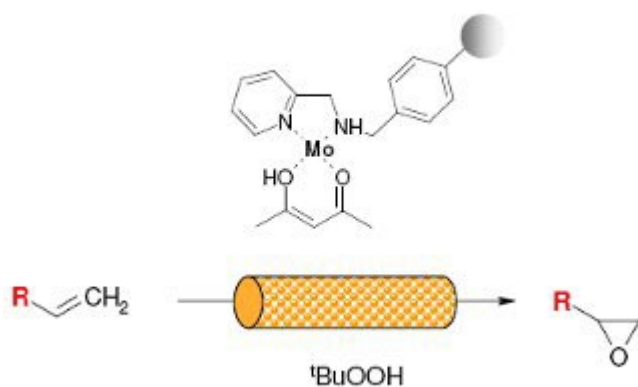


Publication 52: Flow Epoxidation using an Efficient Mo based PS-AMP Catalyst



A polystyrene 2-(aminomethyl)pyridine supported molybdenum(VI) complex (Ps-AMP-Mo) has been prepared, characterised and used as a catalyst for epoxidation of 1-hexene and 4-vinyl-1-cyclohexene (4-VCH) using TBHP as an oxidant.

The continuous epoxidation in a FlowSyn reactor has shown considerable time savings, high reproducibility and selectivity along with remarkable improvements in catalyst stability compared with the reactions carried out in a batch reactor.

[M. L. Mohammed, R. Mbelecka, B. Saha, Polym. Chem., 2015, 6, 7308-7319.](#)