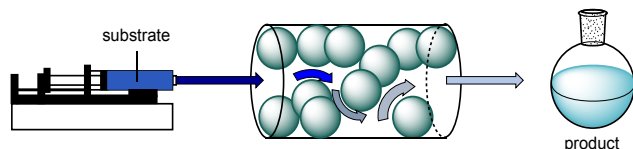


One-Flow Synthesis of Tranexamic Acid

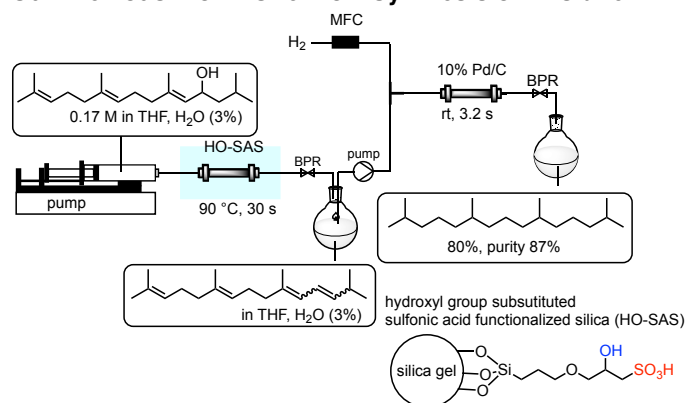
(Osaka Prefecture University) Takahide Fukuyama



Flow Reactor Using Heterogeneous Catalyst

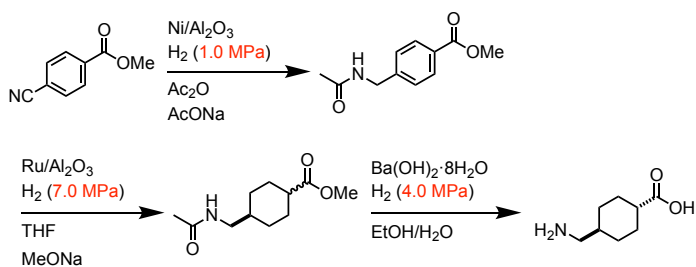
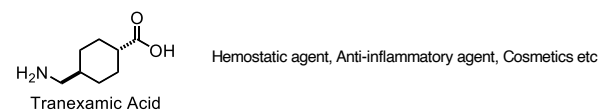


Our Previous Work: One Flow Synthesis of Pristane



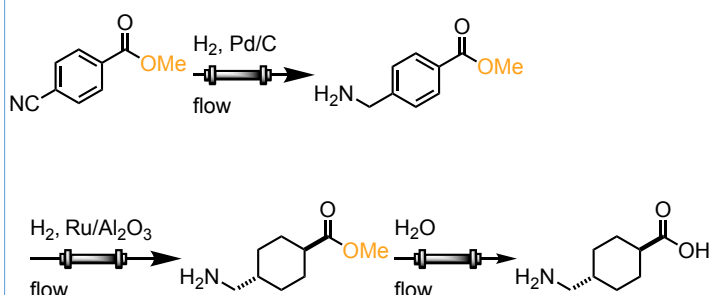
Furuta, A.; Hirobe, Y.; Fukuyama, T.; Ryu, I.; Manabe, Y.; Fukase, K. *Eur. J. Org. Chem.* **2017**, 1365.

Tranexamic Acid

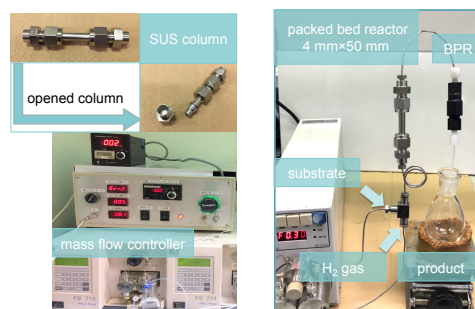


Zhenhua, L.; Li, F.; Jian, W.; Liuhong, D.; Yanna, G.; Yuanyuan, X. *Org. Process Res. Dev.* **2015**, 19, 444.

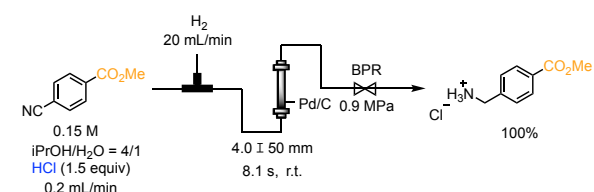
This Work



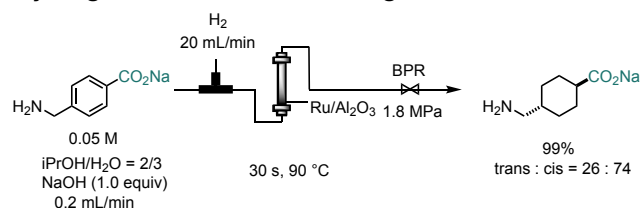
Flow Set up



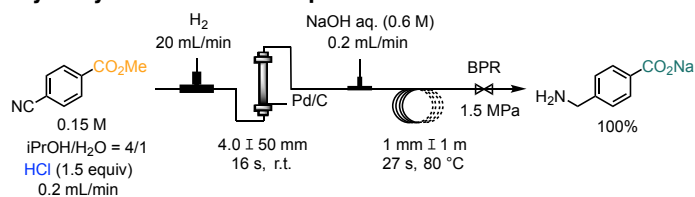
Hydrogenation of Cyano Group



Hydrogenation of Aromatic Ring



Hydrolysis of Ester Group



One-Flow Synthesis of Tranexamic Acid

