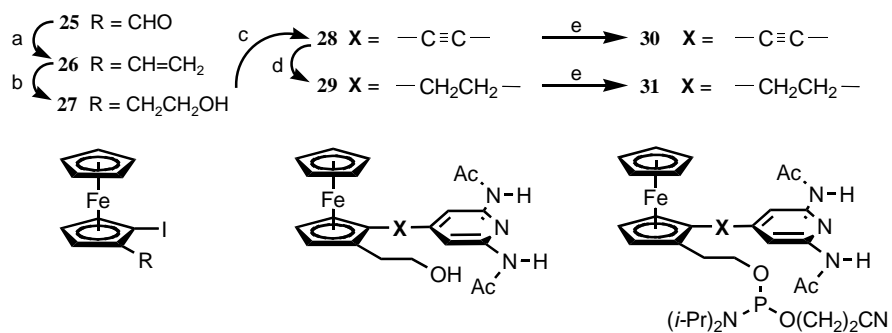


Scheme 1.^a



^aKey: (a) $\text{Ph}_3\text{PCH}_3\text{Br}$, $t\text{-BuOK}$, THF; (b) (i) 9-BBN, THF; (ii) 2*N* NaOH, EtOH; (iii) 30% H_2O_2 ; (c) 2,6-diacetamido-4-ethynylpyridine, $(\text{Ph}_3\text{P})_4\text{Pd}$, $\text{Cu}(\text{OAc})_2 \cdot \text{H}_2\text{O}$, $i\text{-Pr}_2\text{NH}$, DMF; (d) PtO_2 , H_2 (50 atm), EtOH; (e) $\text{NC}(\text{CH}_2)_2\text{OPClN}(\text{Pr-}i)_2$, 4-(dimethylamino)pyridine, $i\text{-Pr}_2\text{NEt}$, CH_2Cl_2 .