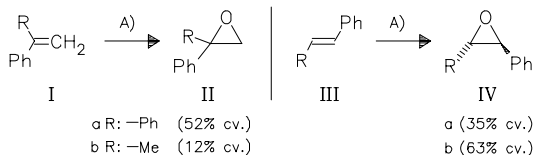


Simple Metal Oxides as Efficient Heterogeneous Catalysts for Epoxidation of Alkenes by Molecular Oxygen. — Among various transition metal oxides studied as heterogeneous catalysts for the epoxidation of alkenes by molecular oxygen Fe_3O_4 shows the highest conversion and selectivity. The reaction probably proceeds via a radical mechanism. — (LIANG, J.; TANG, Q.; MENG, G.; WU, H.; ZHANG*, Q.; WANG, Y.; Chem. Lett. 33 (2004) 9, 1140-1141; Dep. Chem., Xiamen Univ., Xiamen 361005, Fujian, Peop. Rep. China; Eng.) — H. Haber



A): O_2 , Fe_3O_4 (cat.), DMF, 2 MPa, 100°C