

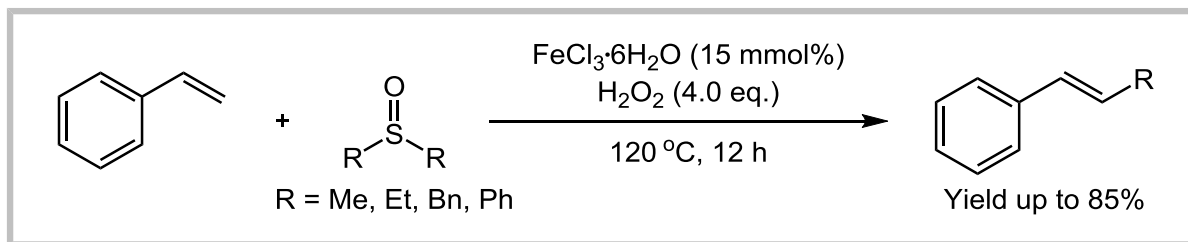


中国科学院大连化学物理研究所

DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES

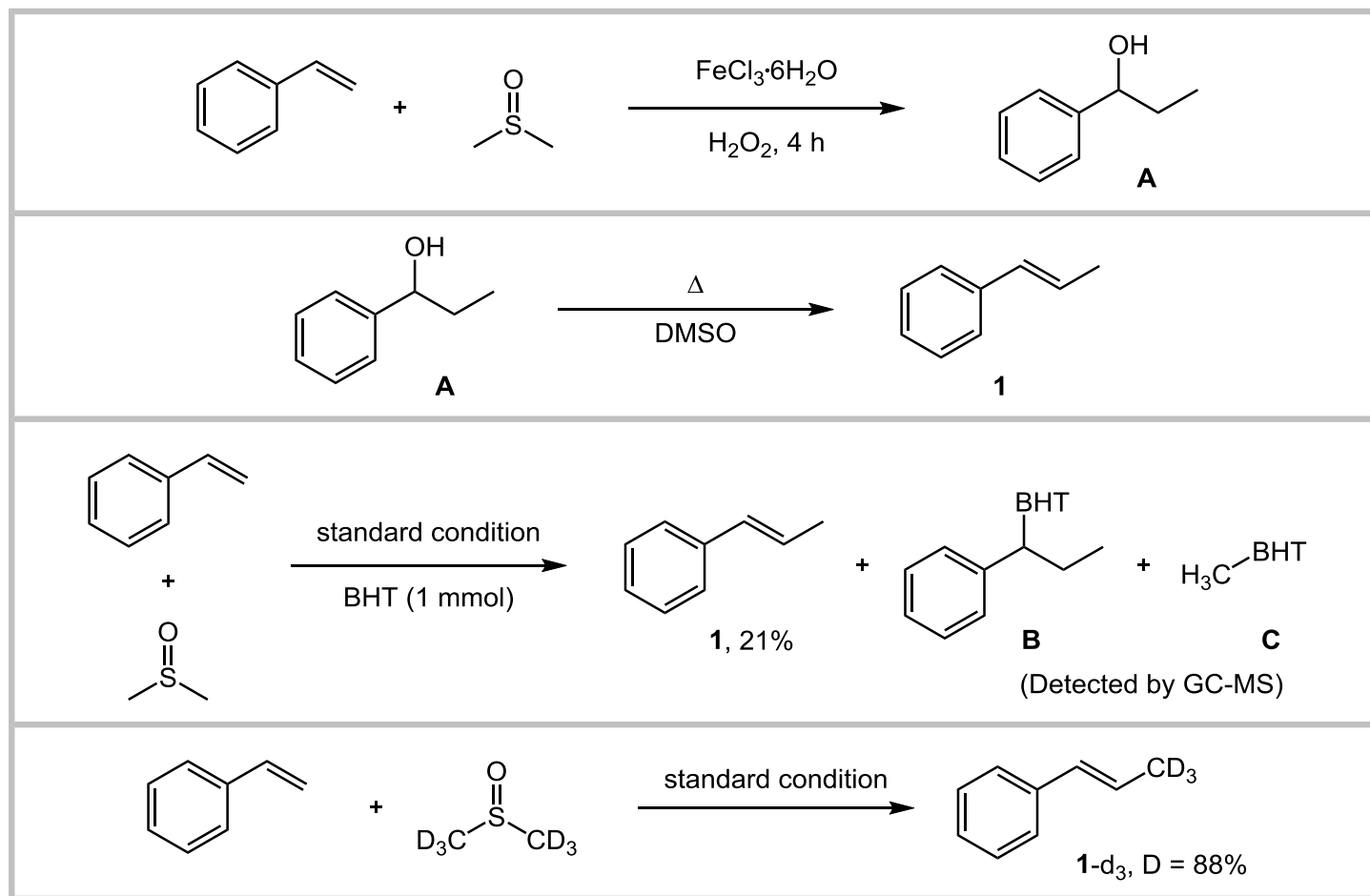
Mechanism Speculation VIII Recommended by Xiao-Qing Wang

Regioselective Synthetic Approach to Higher Alkenes
from Lower Alkenes with Sulfoxides in the $\text{Fe}^{3+}/\text{H}_2\text{O}_2$ System
via Direct Alkylation or Arylation of
the $\text{Csp}^2\text{-H}$ Bond on the $\text{C}=\text{C}$ Bond of Alkenes

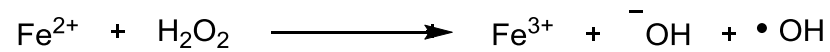
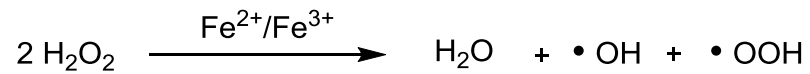


Su, M.-D.; Liu, Y.-F.; Nie, Z.-W.; Yang, T.-L.; Cao, Z.-Z.; Li, H.;
Luo, W.-P.; Liu, Q.; Guo, C.-C. *et al.* *J. Org. Chem.* **2022**, *87*, 7022

Control Experiments



Fenton Reaction



- 芬顿反应，具有去除难降解有机污染物的能力，在印染废水、含油废水、含酚废水、焦化废水、二苯胺废水等废水处理中有很广泛的应用。

Proposed Mechanism

