

Supplementary Materials: (Salen)Mn(III) Catalyzed Asymmetric Epoxidation Reactions by Hydrogen Peroxide in Water: A Green Protocol

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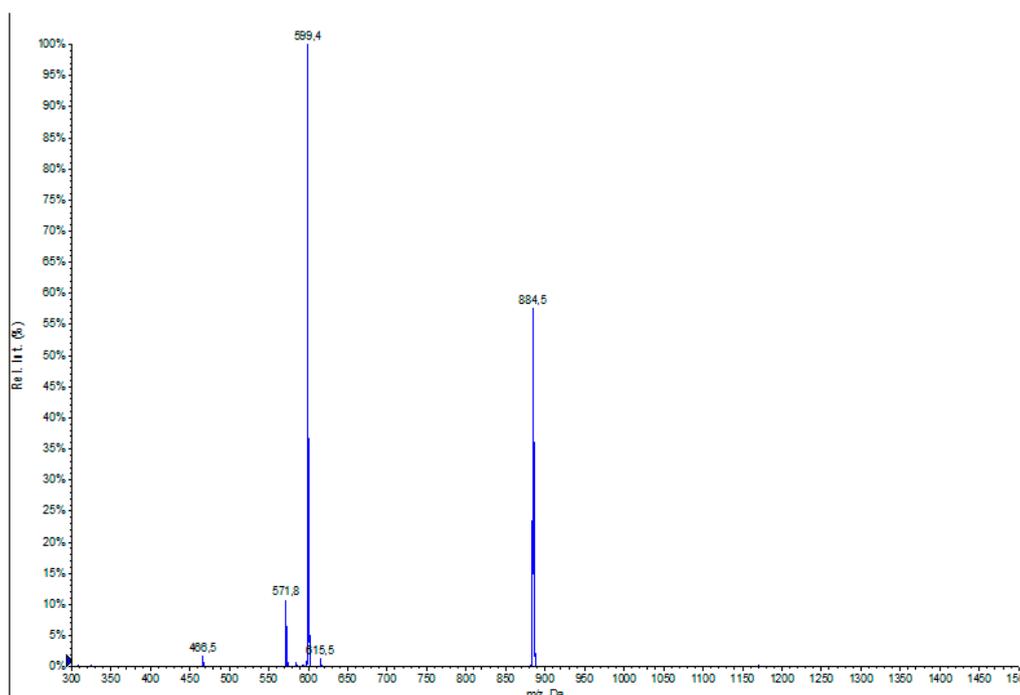


Figure S1. Mass spectrum of complex L-Cat (peak at m/z 599.4 is relative to the catalyst).

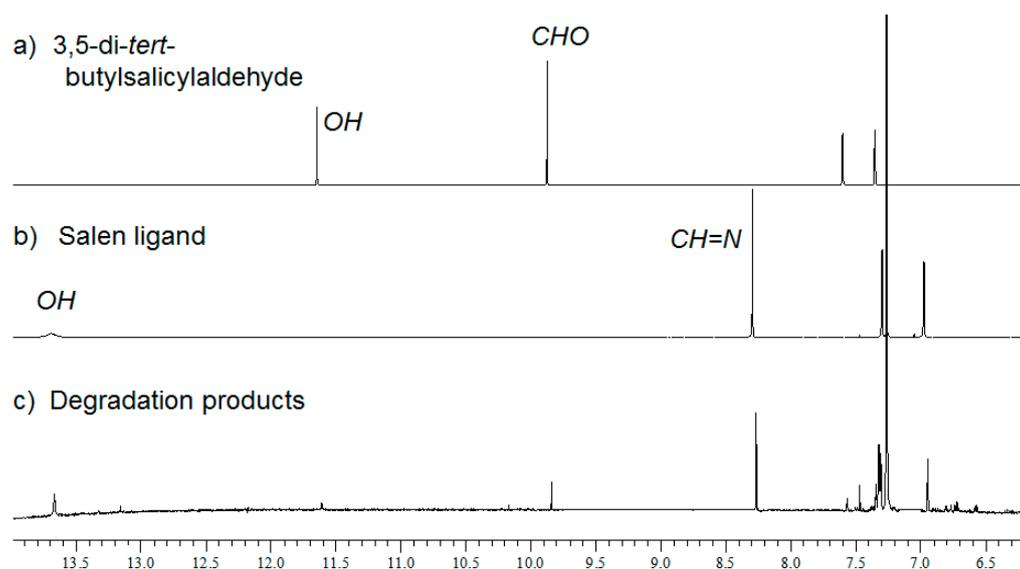


Figure S2. Selected regions of ¹H NMR spectra in CDCl₃ of (a) 3,5-di-tert-butylsalicylaldehyde; (b) salen ligand; (c) sample of a solution of (salen)Mn(III)/H₂O₂/AOE-14 after extraction with CH₂Cl₂ (after 4 h) where the signal at 9.8 ppm relative to the CHO proton of 3,5-di-tert-butylsalicylaldehyde and the signals at 8.3 and 13.57 ppm, respectively, relative to the imine CH=N and to the phenolic OH of the free ligand can be observed.

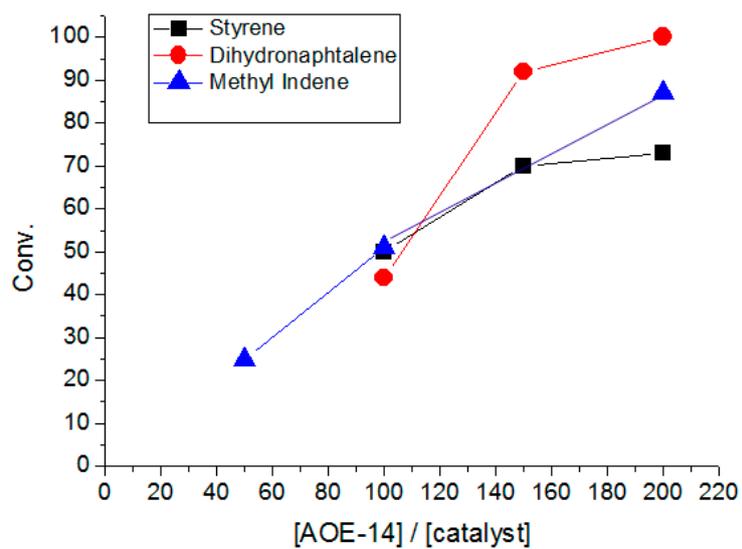


Figure S3. Relationships between the conversion values and the [AOE-14]/[catalyst] ratios.