Electronic Supplementary Material (ESI) for New Journal of Chemistry.

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Supplementary Materials

An amphiphilic manganese porphyrin-paired ionic copolymer: a highly efficient biphasic transfer catalyst for the selective oxidation of olefins with O_2 and TBHP

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CH₃CN as solvent

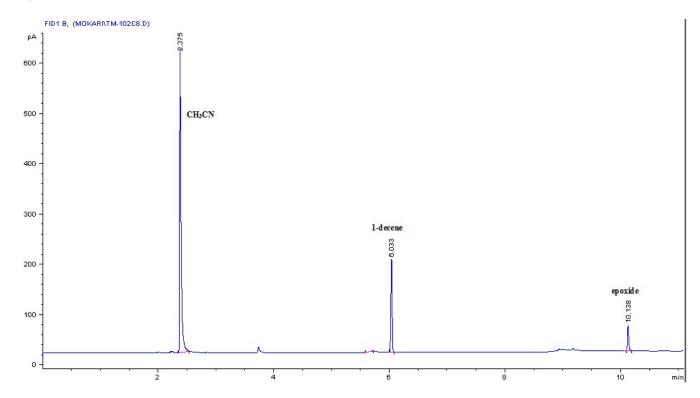


Fig. S1 GC chromatogram of oxidation of 1-decene in CH₃CN in the presence of O₂ as oxidant

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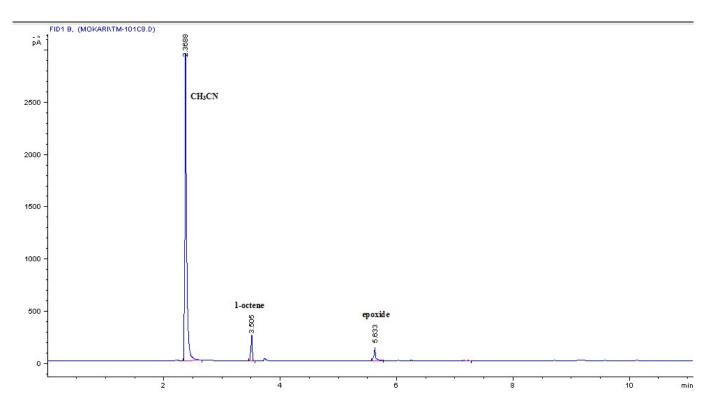
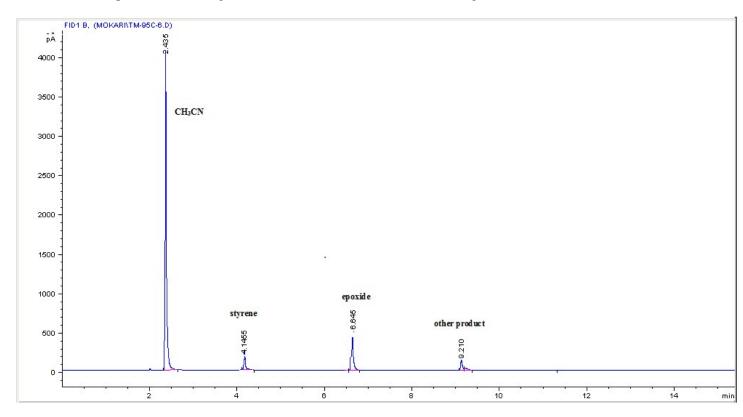


Fig. S2 GC chromatogram of oxidation of 1-octene in CH_3CN in the presence of O_2 as oxidant



 $\textbf{Fig. S3} \ \ GC \ chromatogram \ of \ oxidation \ of \ styrene \ in \ CH_3CN \ in \ the \ presence \ of \ O_2 \ as \ oxidant$

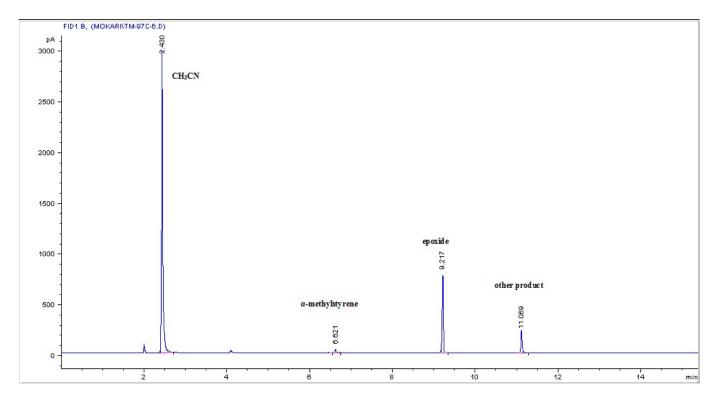


Fig. S4 GC chromatogram of oxidation of α -methyl styrene in CH₃CN in the presence of O_2 as oxidant

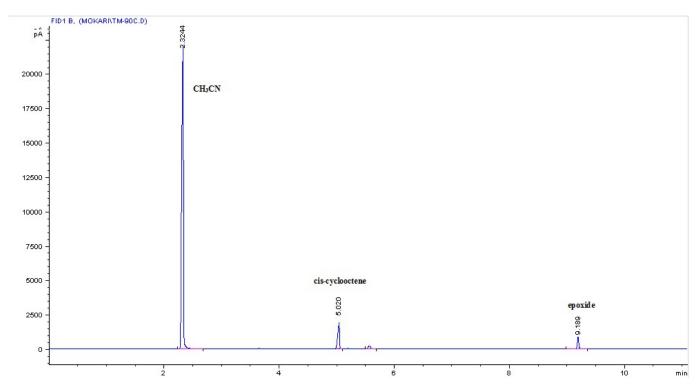


Fig. S5 GC chromatogram of oxidation of cis-cyclooctene in CH₃CN in the presence of O₂ as oxidant

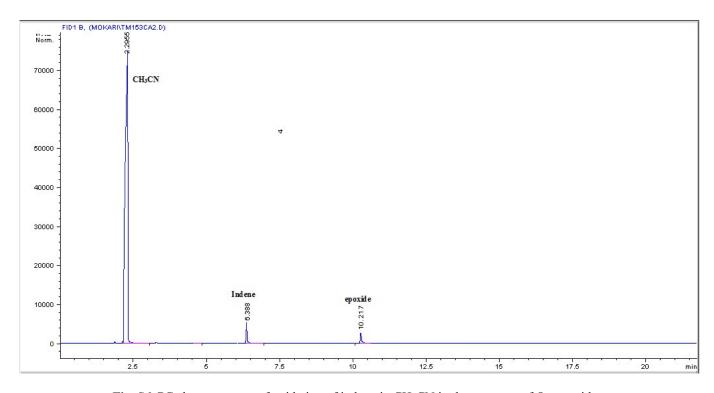


Fig. S6 GC chromatogram of oxidation of indene in CH_3CN in the presence of O_2 as oxidant

n-Hexane as solvent

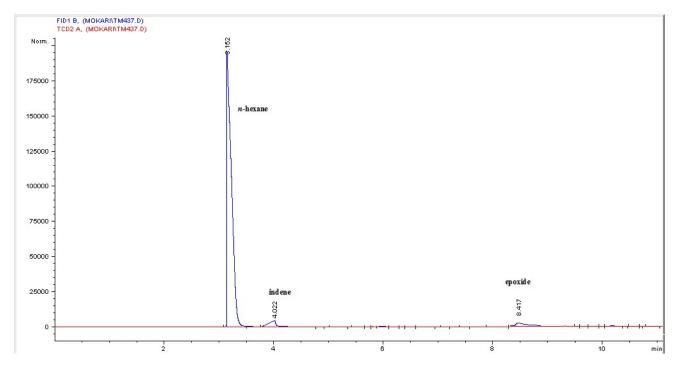


Fig. S7 GC chromatogram of oxidation of indene in n-hexane in the presence of O_2 as oxidant

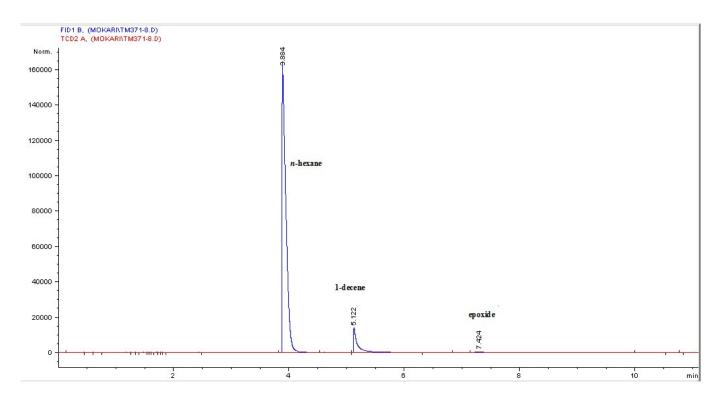


Fig. S8 GC chromatogram of oxidation of 1-decene in n-hexane in the presence of O_2 as oxidant

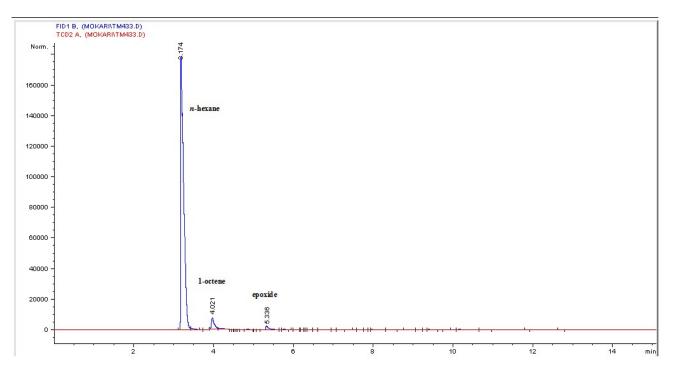


Fig. S9 GC chromatogram of oxidation of 1-octene in n-hexane in the presence of O_2 as oxidant

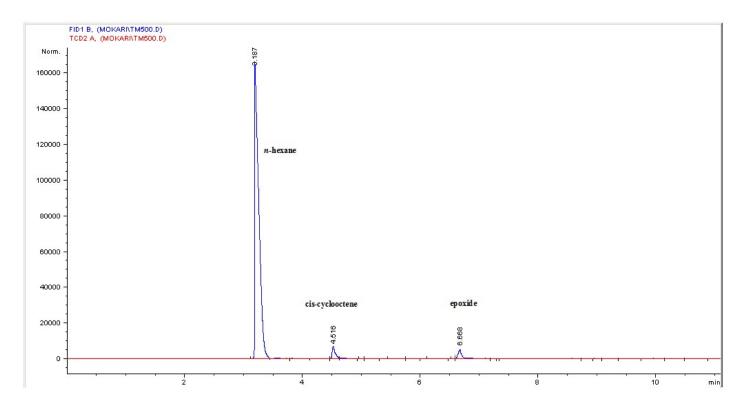


Fig. S10 GC chromatogram of oxidation of cis-cyclooctene in n-hexane in the presence of O_2 as oxidant

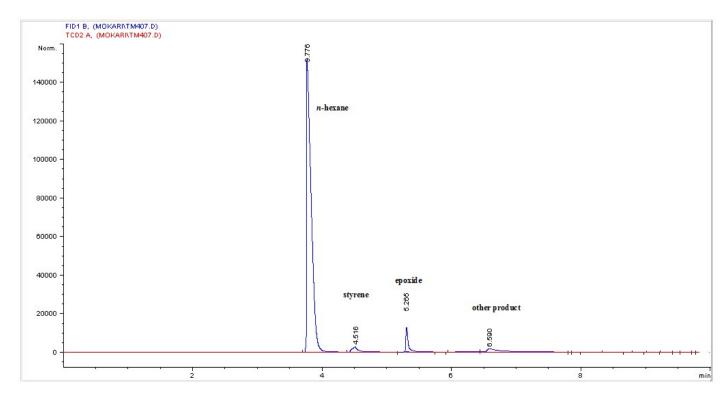


Fig. S11 GC chromatogram of oxidation of styrene in n-hexane in the presence of O_2 as oxidant

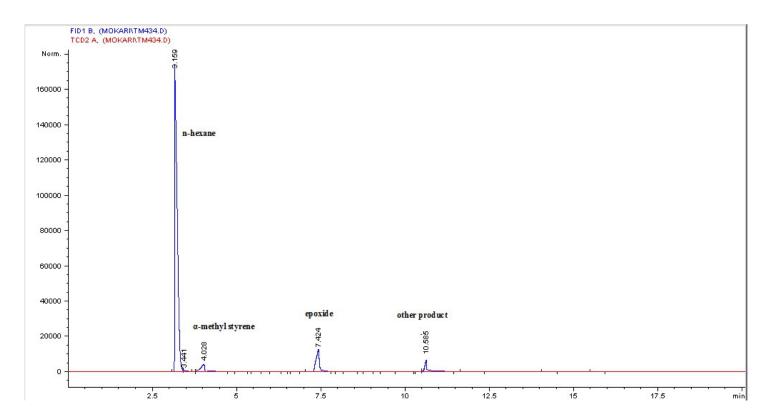


Fig. S12 GC chromatogram of oxidation of α -methyl styrene in n-hexane in the presence of O_2 as oxidant

Solvent free and TBHP as oxidant

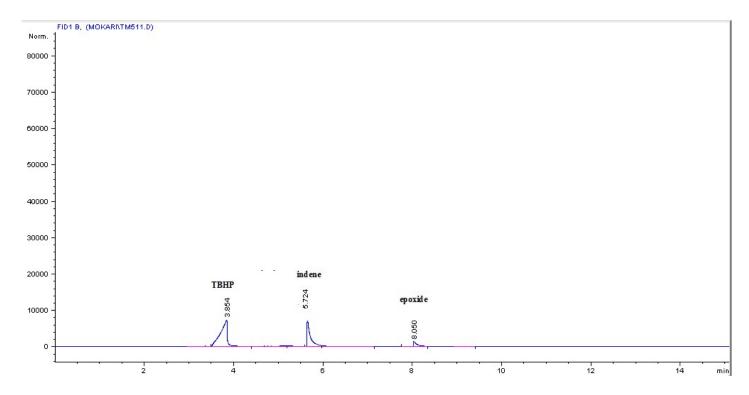


Fig. S13 GC chromatogram of oxidation of indene in the presence of TBHP as oxidant without solvent

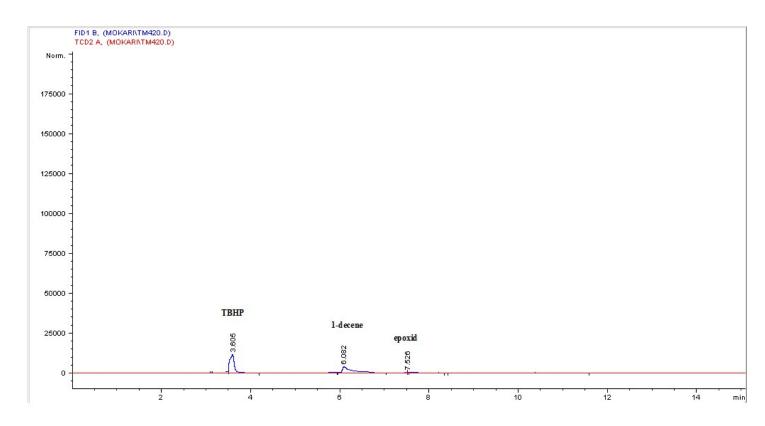


Fig. S14 GC chromatogram of oxidation of 1-decene in the presence of TBHP as oxidant without solvent

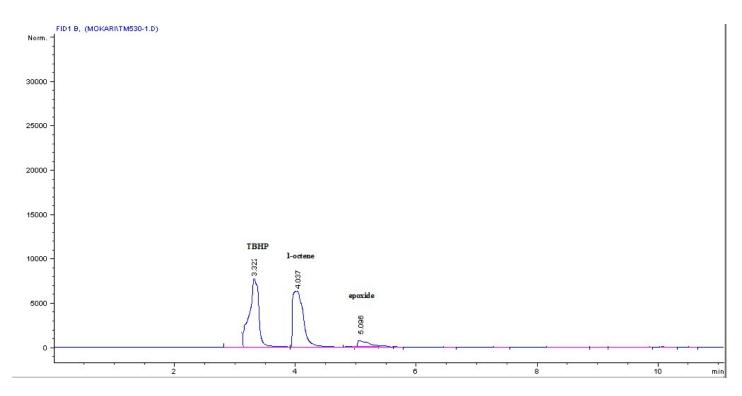


Fig. S15 GC chromatogram of oxidation of 1-octene in the presence of TBHP as oxidant without solvent

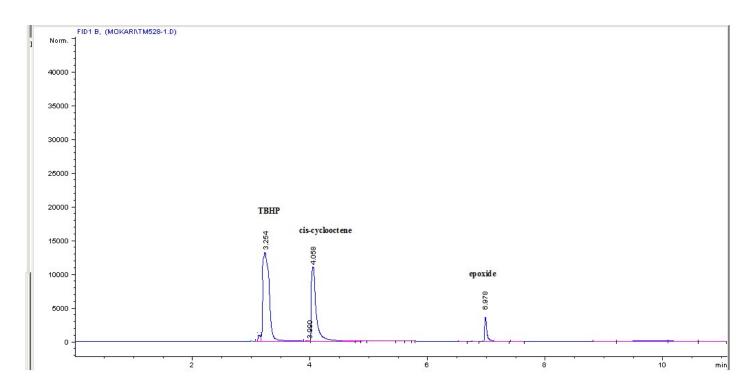


Fig. S16 GC chromatogram of oxidation of cis-cyclooctene in the presence of TBHP as oxidant without solvent

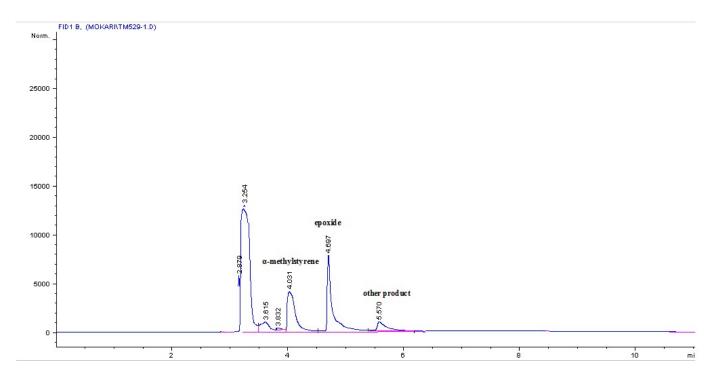


Fig. S17 GC chromatogram of oxidation of α-methyl styrene in the presence of TBHP as oxidant without solvent

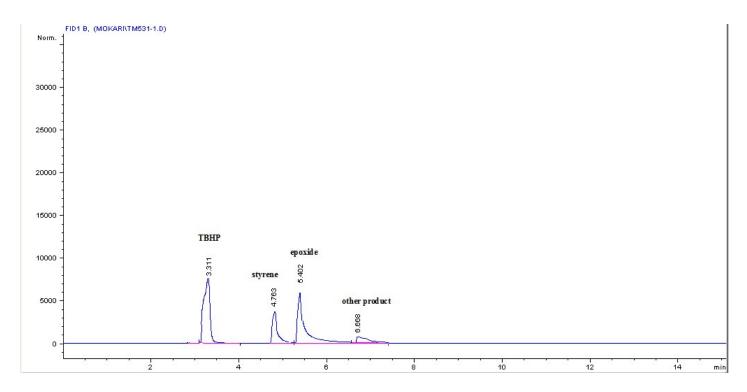


Fig. S18 GC chromatogram of oxidation of styrene in the presence of TBHP as oxidant without solvent