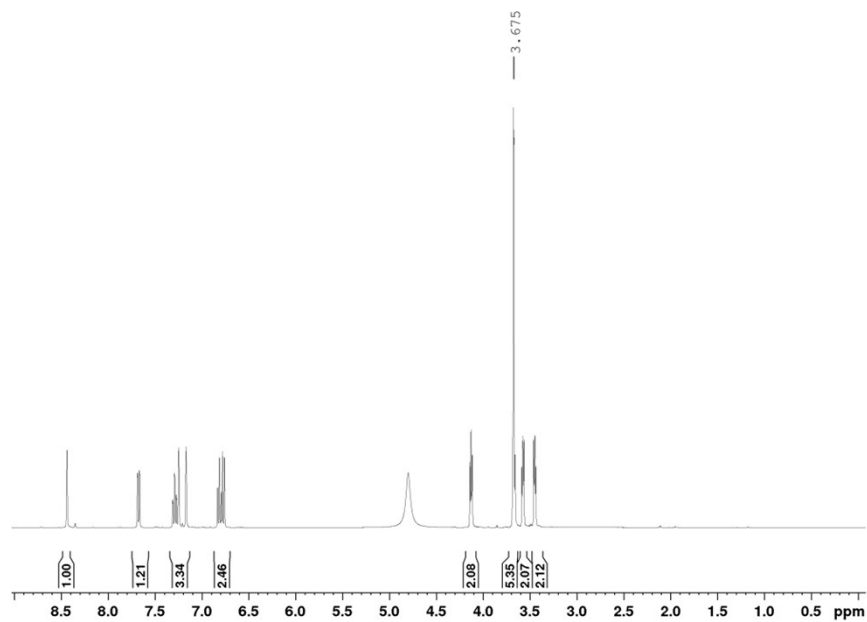


Electronic Supporting Information

**Toxicity reduction of imidazolium-based ionic liquids by the oxygenation of the alkyl substituent**

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and S. Gadžurić<sup>a</sup>

AT04, D2O



AT04, D2O

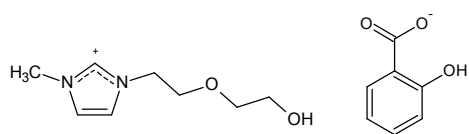
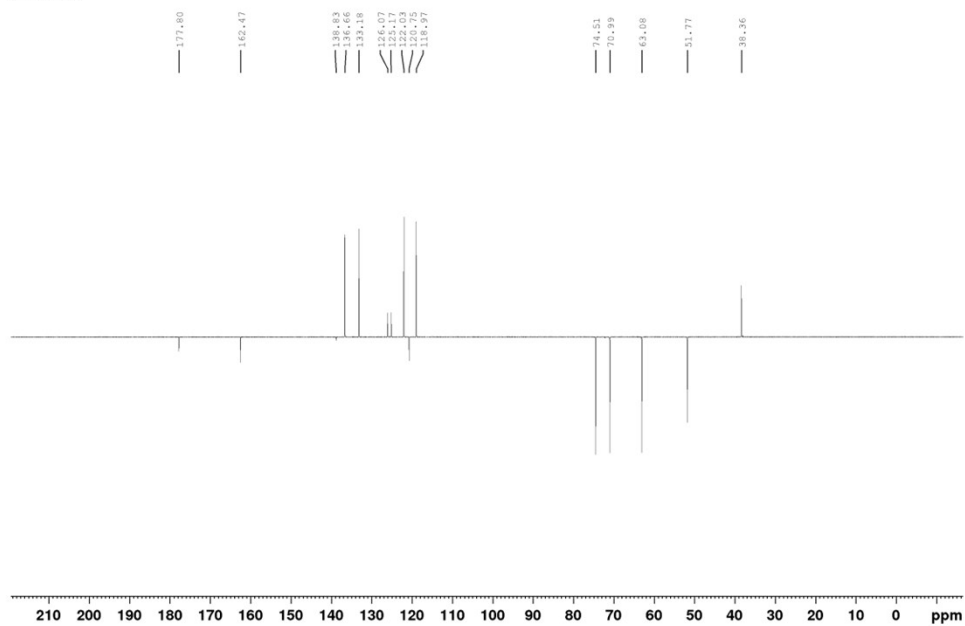
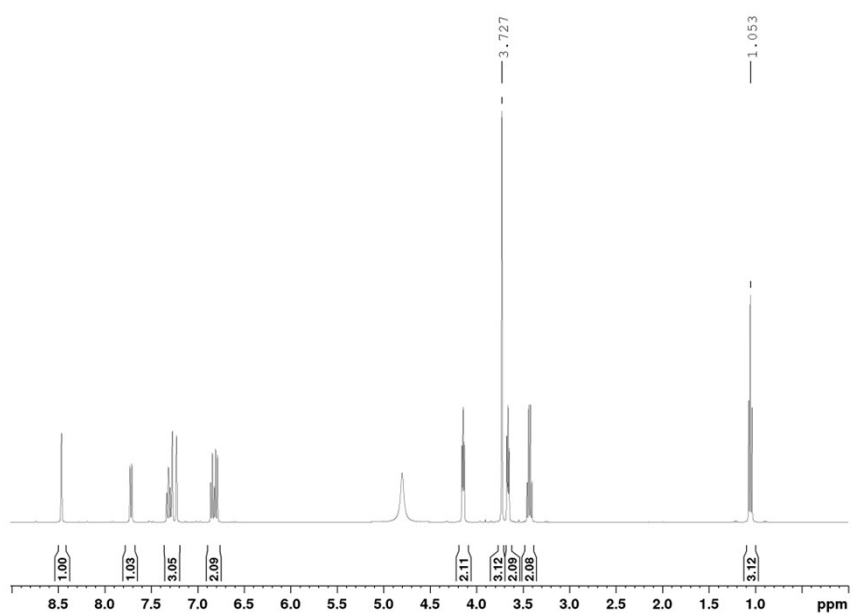


Figure S1a.  $^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of  $[\text{OHC}_2\text{OC}_2\text{mIm}][\text{Sal}]$

AT13,D2O.10.11.15.



AT13,D2O.10.11.15.

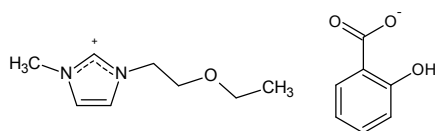
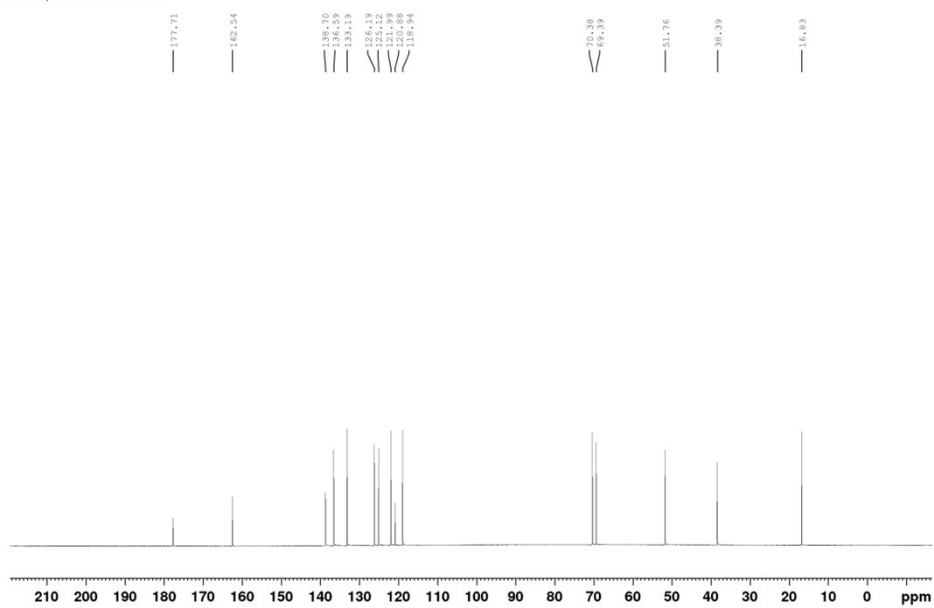
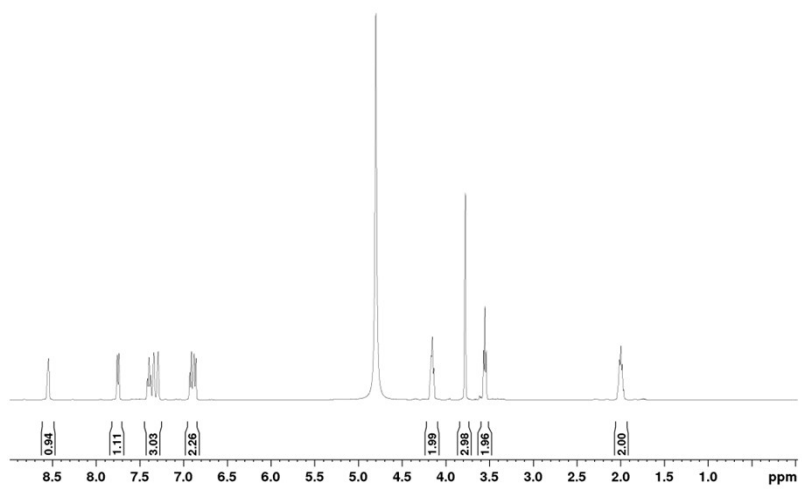


Figure S1b. <sup>1</sup>H and <sup>13</sup>C NMR spectra of [C<sub>2</sub>OC<sub>2</sub>mIm][Sal]

AT12,D2O.8.11.15.



AT12,D2O.8.11.15.

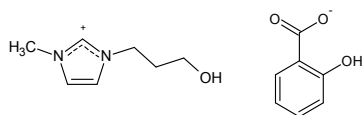
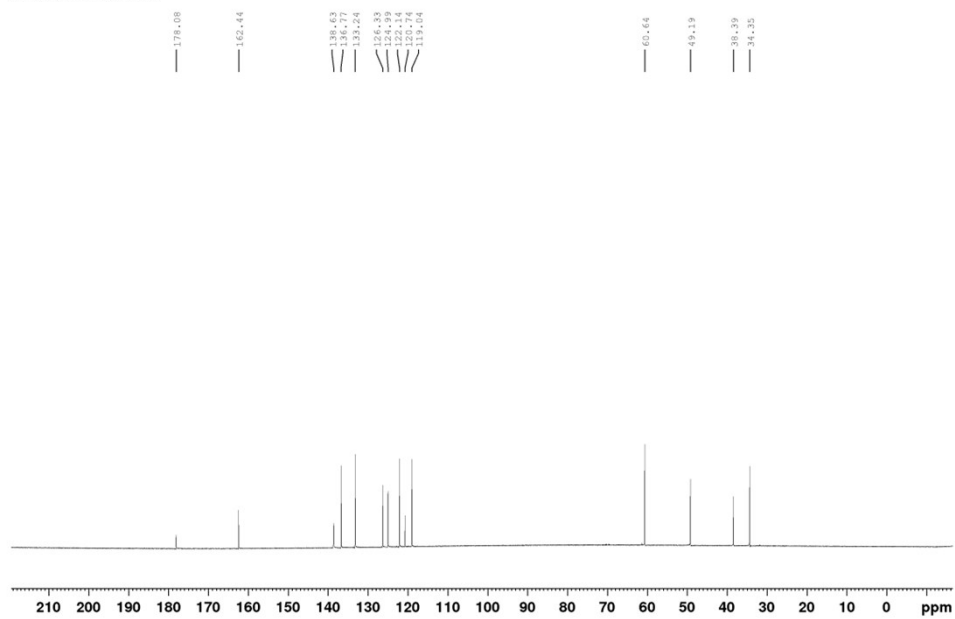
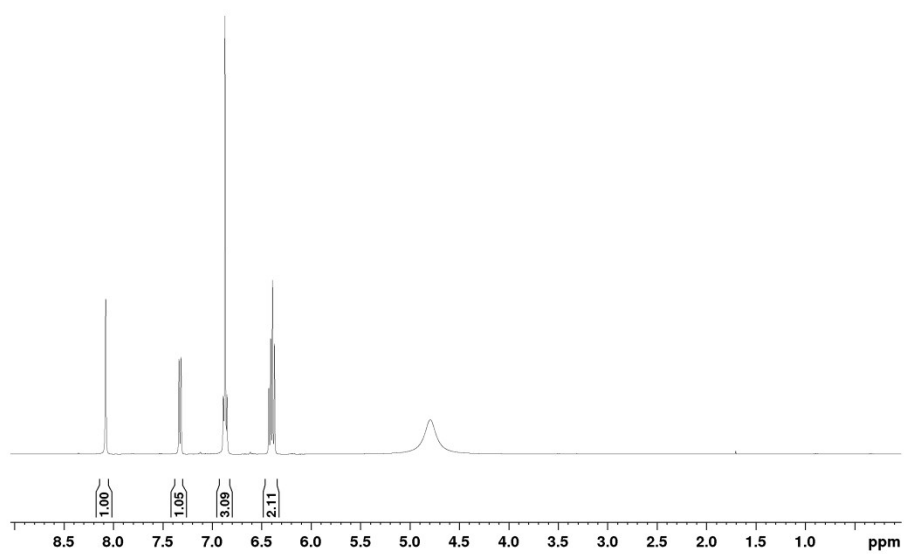


Figure S1c. <sup>1</sup>H and <sup>13</sup>C NMR spectra of [OHC<sub>3</sub>mIm][Sal]

AT16, D2O.18.11.15.



AT16, D2O.18.11.15.

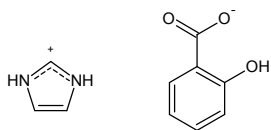
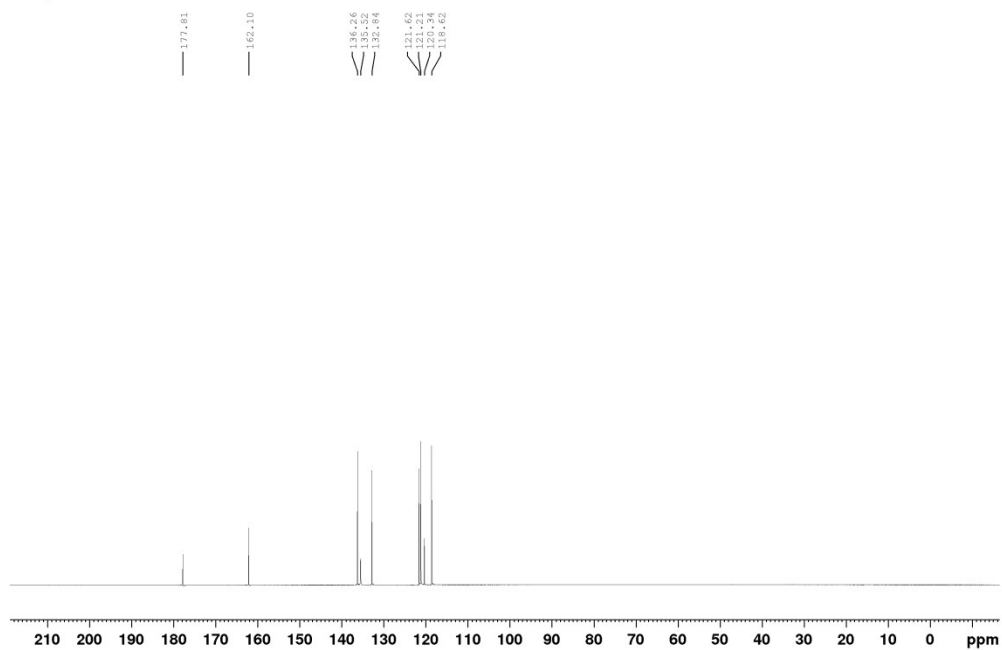


Figure S1d.  $^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of  $[\text{Im}][\text{Sal}]$

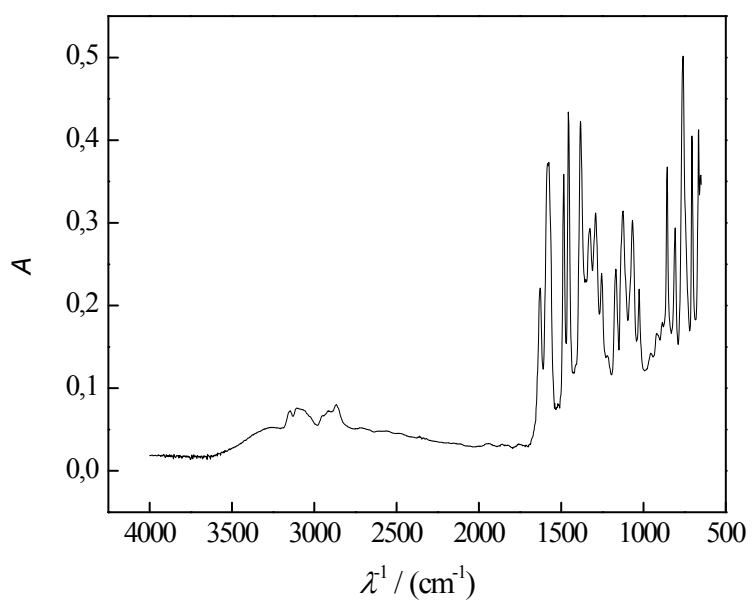


Figure S2a. IR spectrum of  $[\text{OHC}_2\text{OC}_2\text{mIm}][\text{Sal}]$

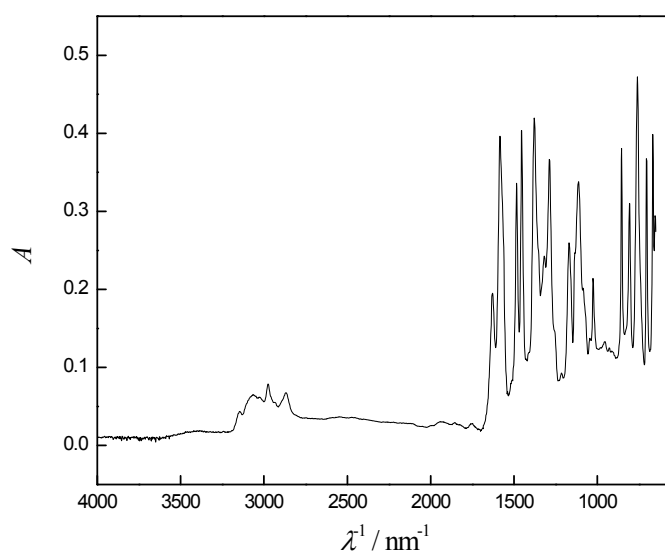


Figure S2b. IR spectrum of  $[\text{C}_2\text{OC}_2\text{mIm}][\text{Sal}]$

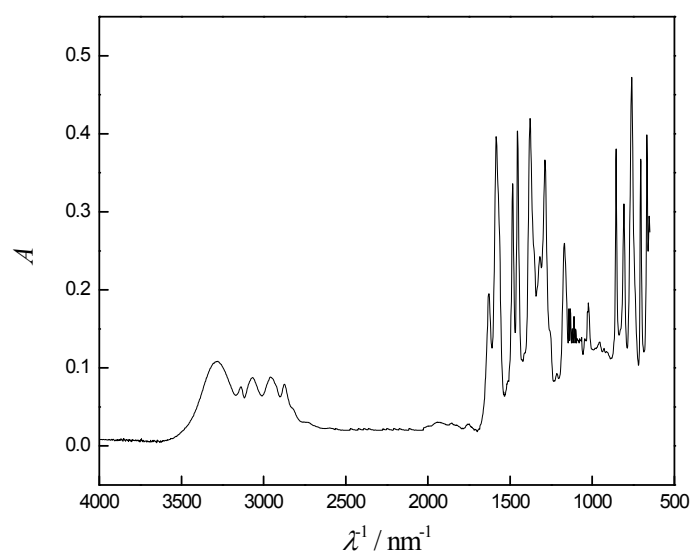


Figure S2c. IR spectrum of [OHC<sub>3</sub>mIm][Sal]

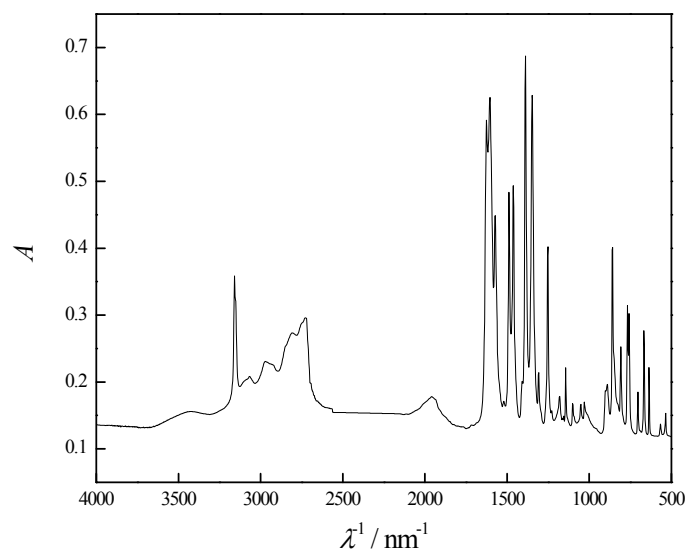


Figure S2d. IR spectrum of [Im][Sal]