

Supporting information for:
**The Novel L-histidine Based Ionic Liquid (LHIL) as An Efficient
Corrosion Inhibitor for Mild Steel**

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Fig. S1. $^1\text{H-NMR}$ (DMSO- d_6) spectrum of LHIL.

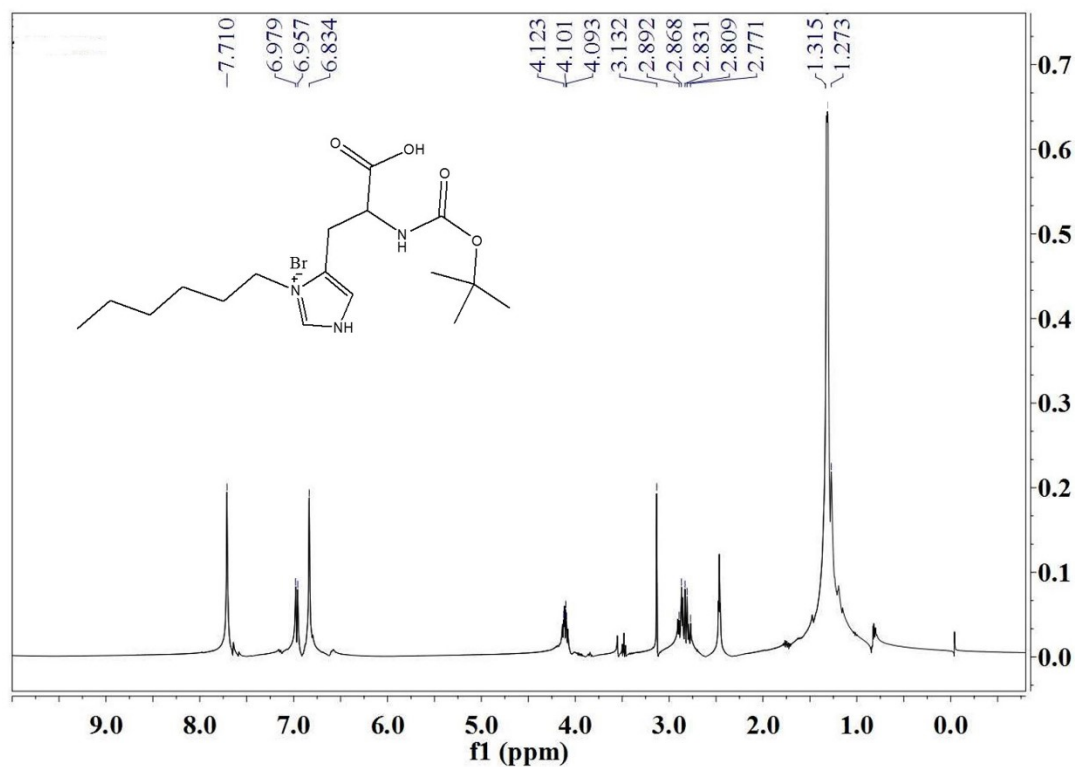


Fig. S2. HRMS (ESI) spectrum of LHIL.

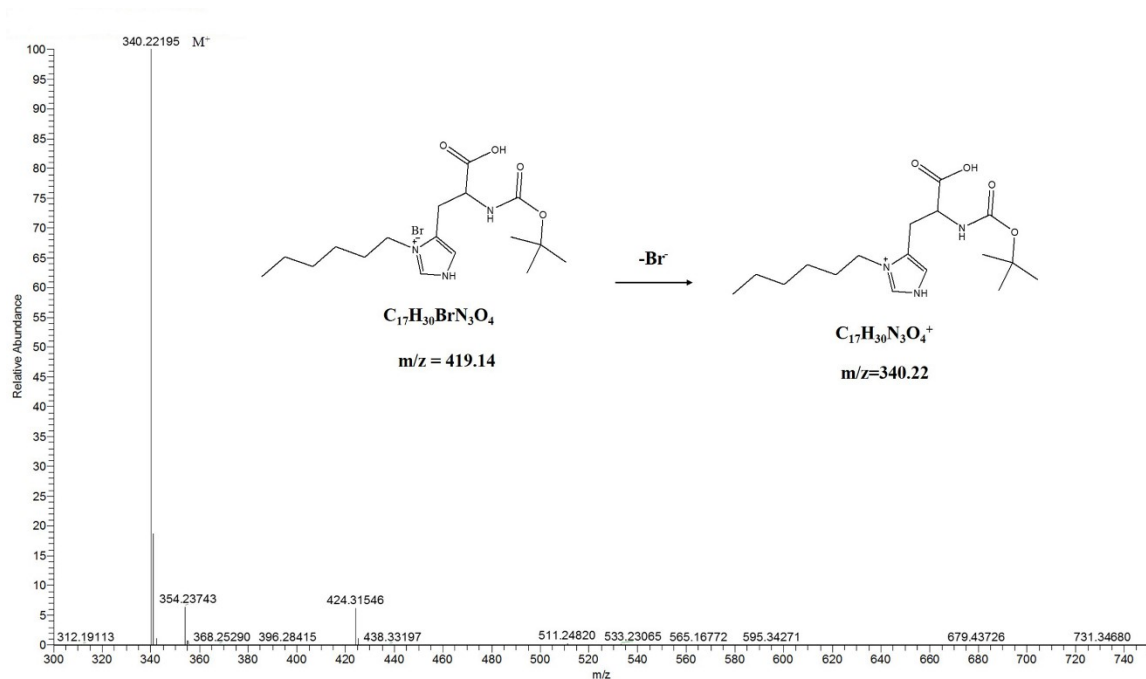


Fig. S3. The surface compositions of carbon steel under different conditions.

