

Water assisted stability of carbene: cyclic voltammetric investigation of 1-ethyl-3-methylimidazolium ethylsulfate ionic liquid

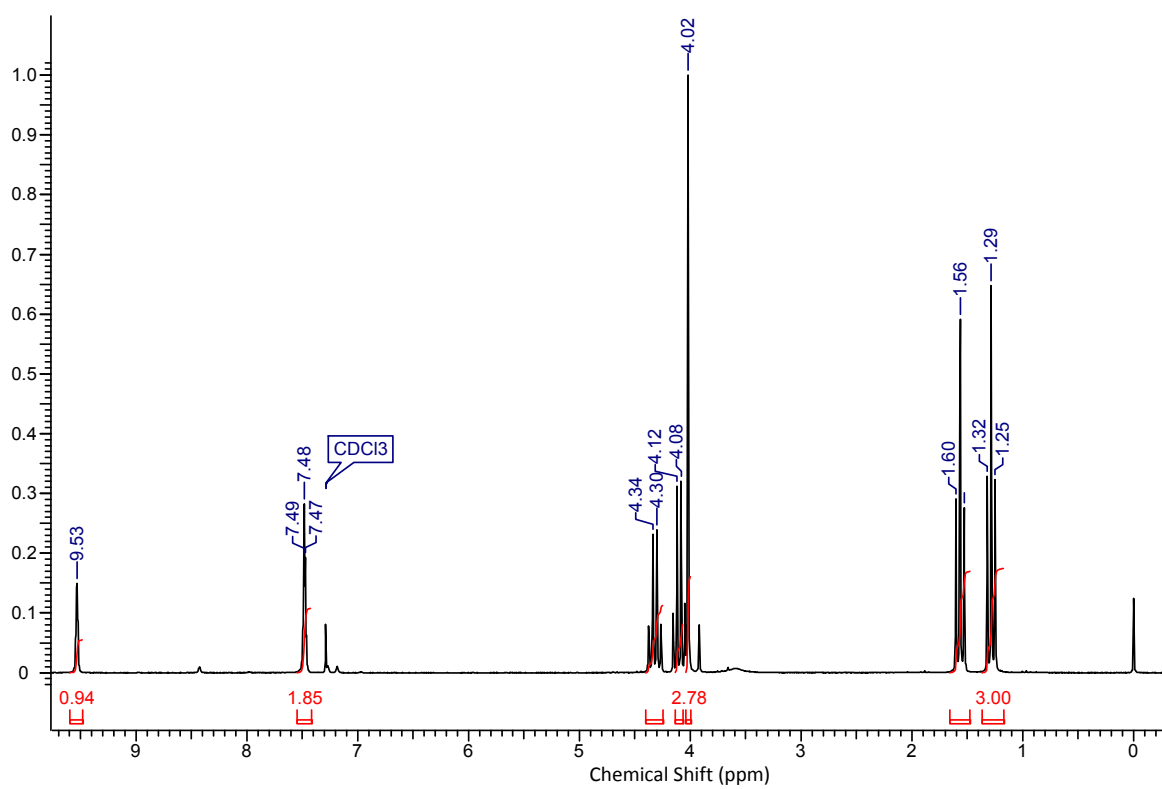
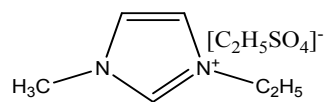
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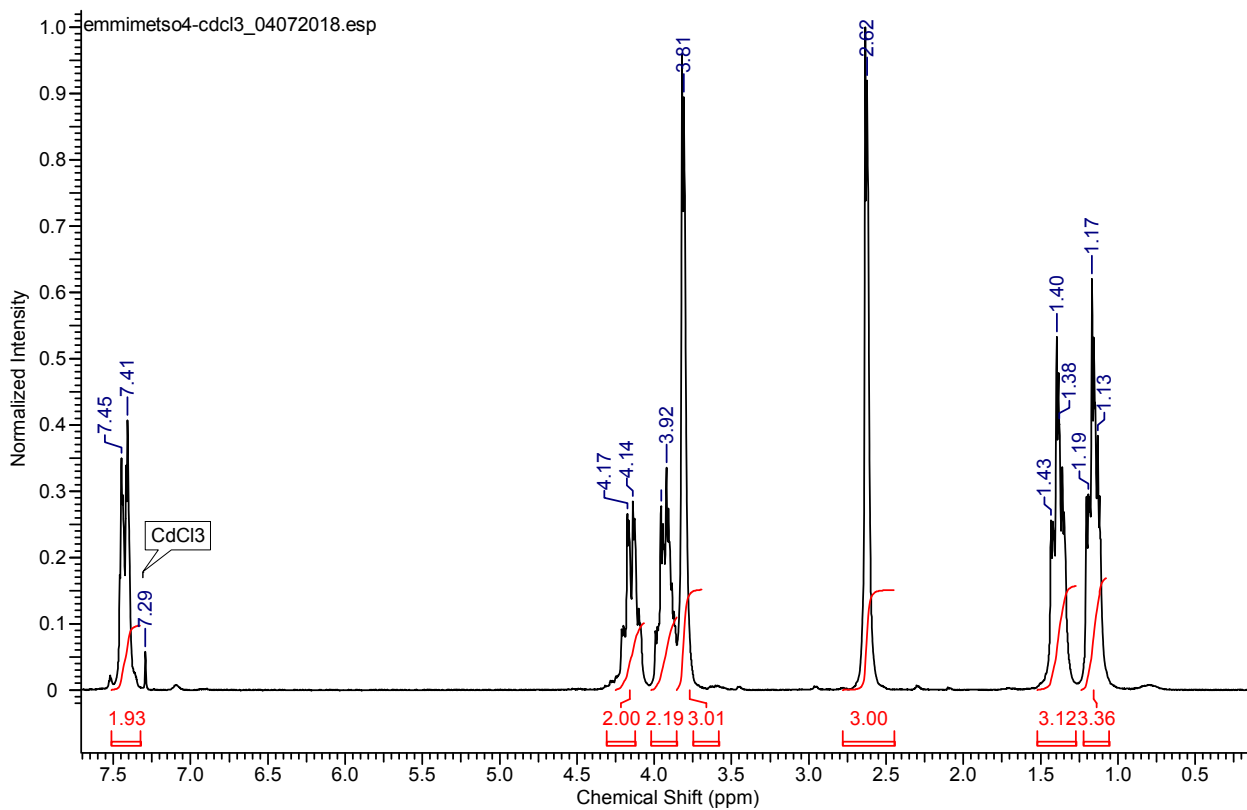
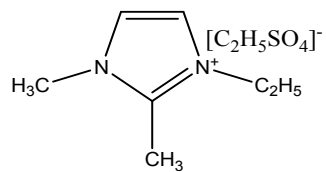
S-1: Data in support of ionic liquids:

^1H NMR of the Studied Ionic Liquids

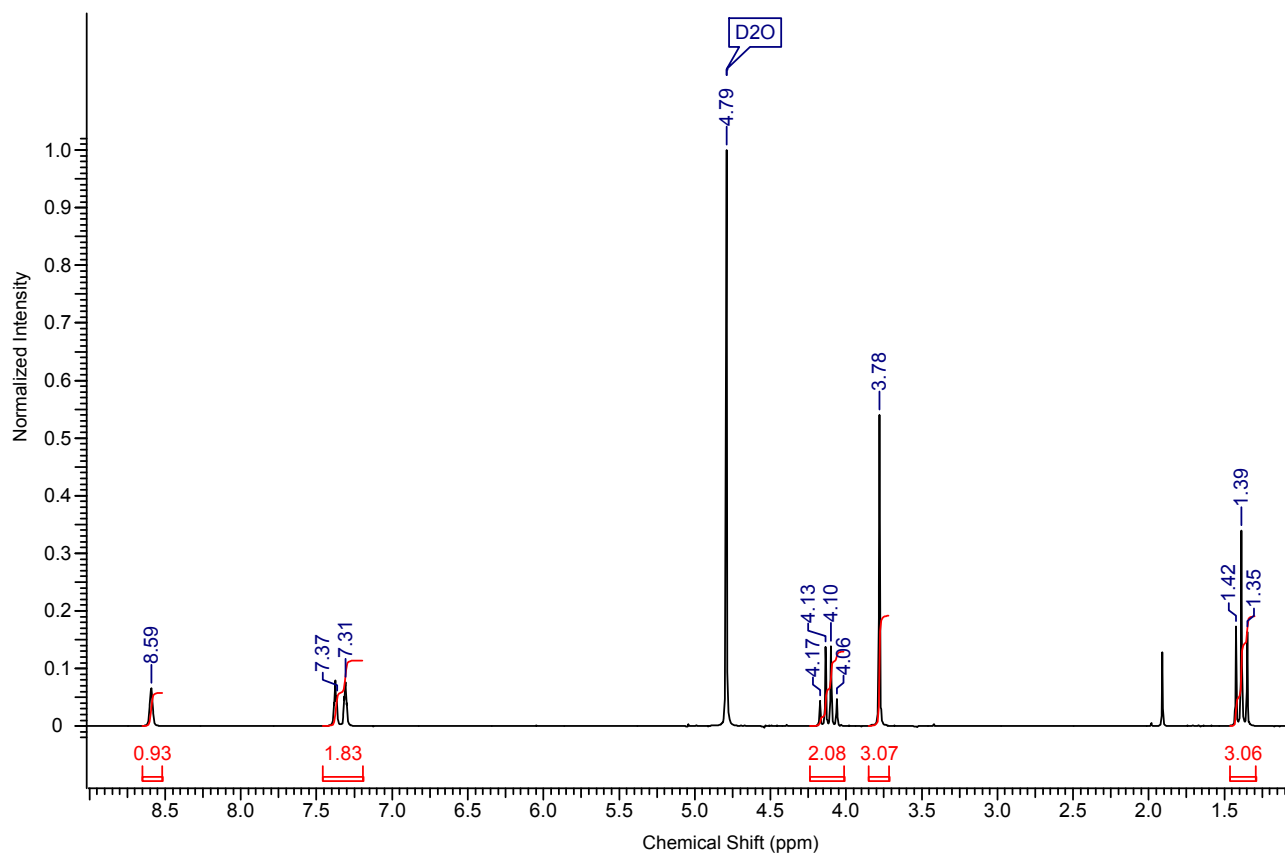
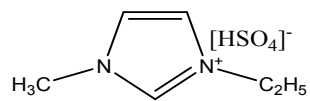
1. [EMIM][EtSO₄]- ^1H NMR, 200 MHz, CDCl₃



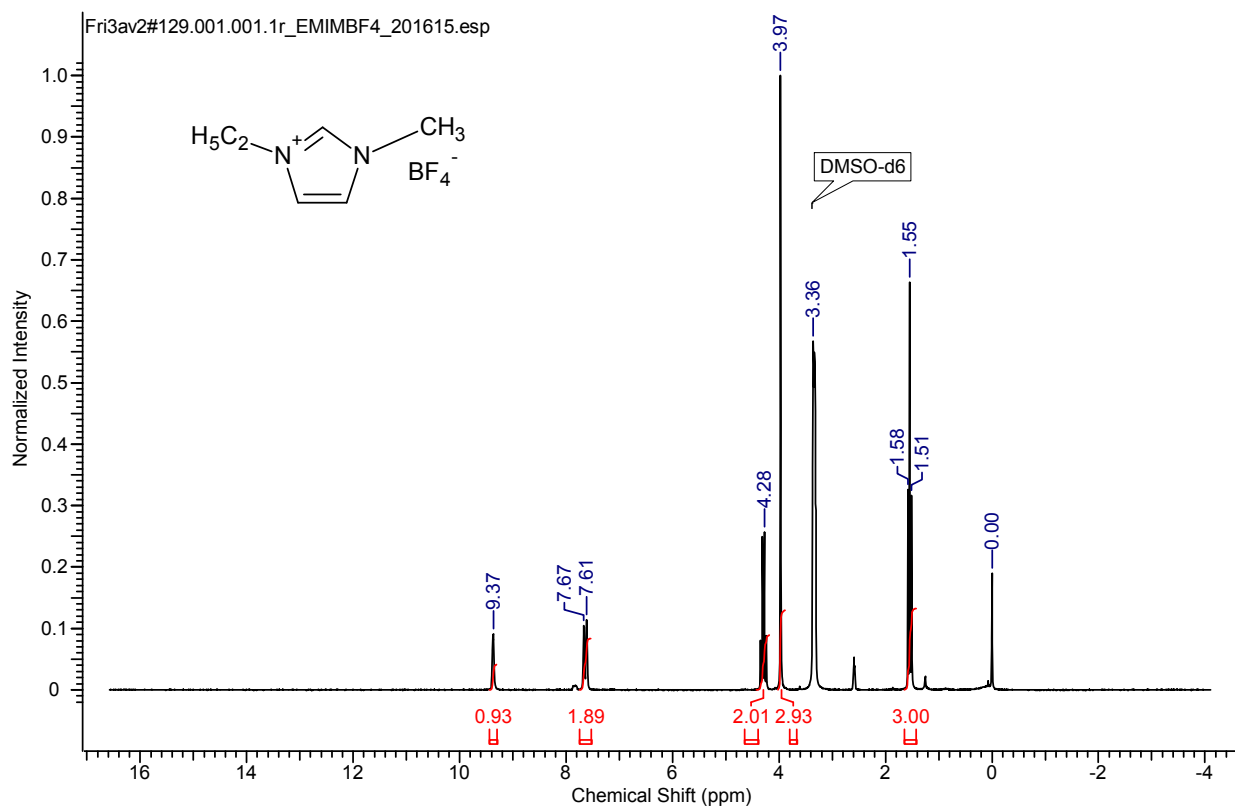
2. [EMMIM][EtSO₄]- ¹H NMR, 200 MHz, CDCl₃



3. [EMIM][HSO₄]: ¹H NMR, 200 MHz, D₂O



4. [EMIM][BF₄] - ¹H NMR, 200 MHz, DMSO-d₆



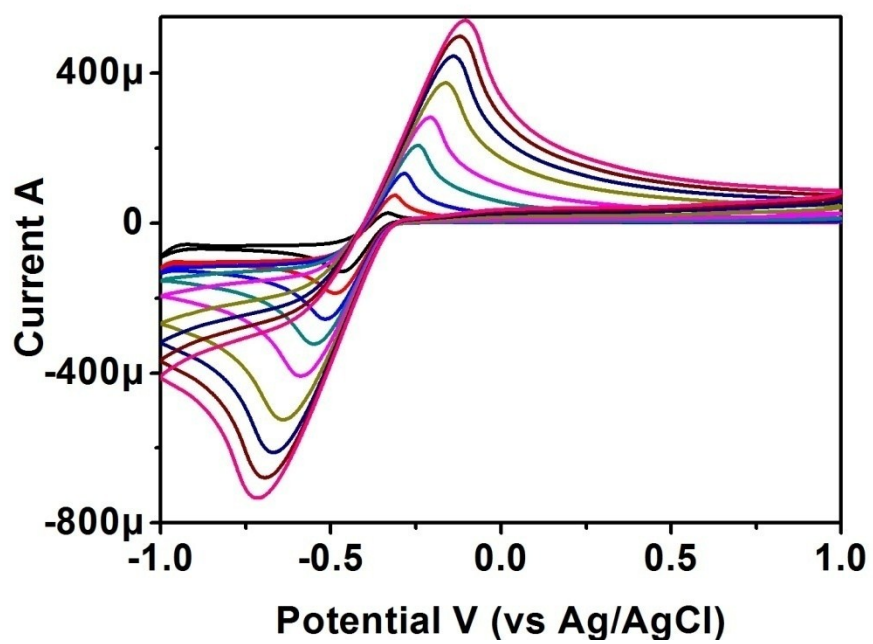


Figure S1: CVs recorded using 0.17 M aqueous solution of [EMIM][EtSO₄]. Scan rate was varied from 5 mV/s to 2500 mV/s. However, for clarity CVs upto 500 mV/s scan rates are presented.

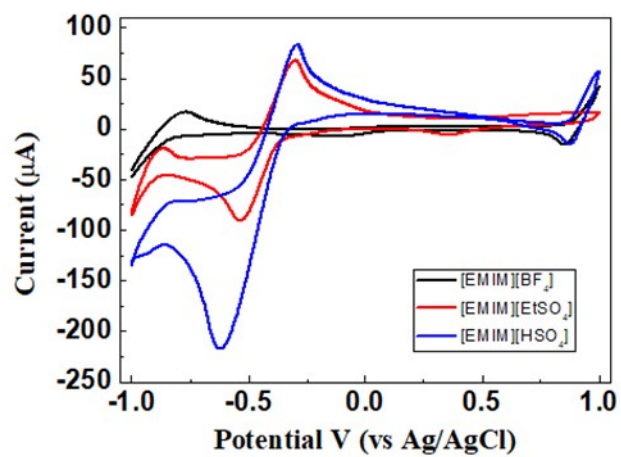


Figure S2: CVs recorded using 0.10 M of aqueous solution of [EMIM][EtSO₄], [EMIM][HSO₄], and [EMIM][BF₄], (Scan rate – 100 mV/s).