A facile and efficient route to hydrophilic ionic liquids through metathesis reaction performed in saturated aqueous solution

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Fig. S1 $^1$H-NMR (ppm) of [BMI$m$]BF$_4$ in DMSO-d$_6$.

Fig. S2 $^{13}$C-NMR (ppm) of [BMI$m$]BF$_4$ in CDCl$_3$. 
Fig. S3 $^1$H-NMR (ppm) of [BMIm]HCO$_2$ in DMSO-d6.

Fig. S4 $^{13}$C-NMR (ppm) of [BMIm]HCO$_2$ in DMSO-d6.
Fig. S5 Positive (a) and negative (b) ion modes of ESI-HRMS spectra (m/z) of [BMIm]BF$_4$.

Fig. S6 Positive (a) and negative (b) ion modes of ESI-HRMS spectra (m/z) of [BMIm]HCO$_2$. 