

Supporting Information

Silver-free synthesis of nitrate-containing room-temperature ionic liquids

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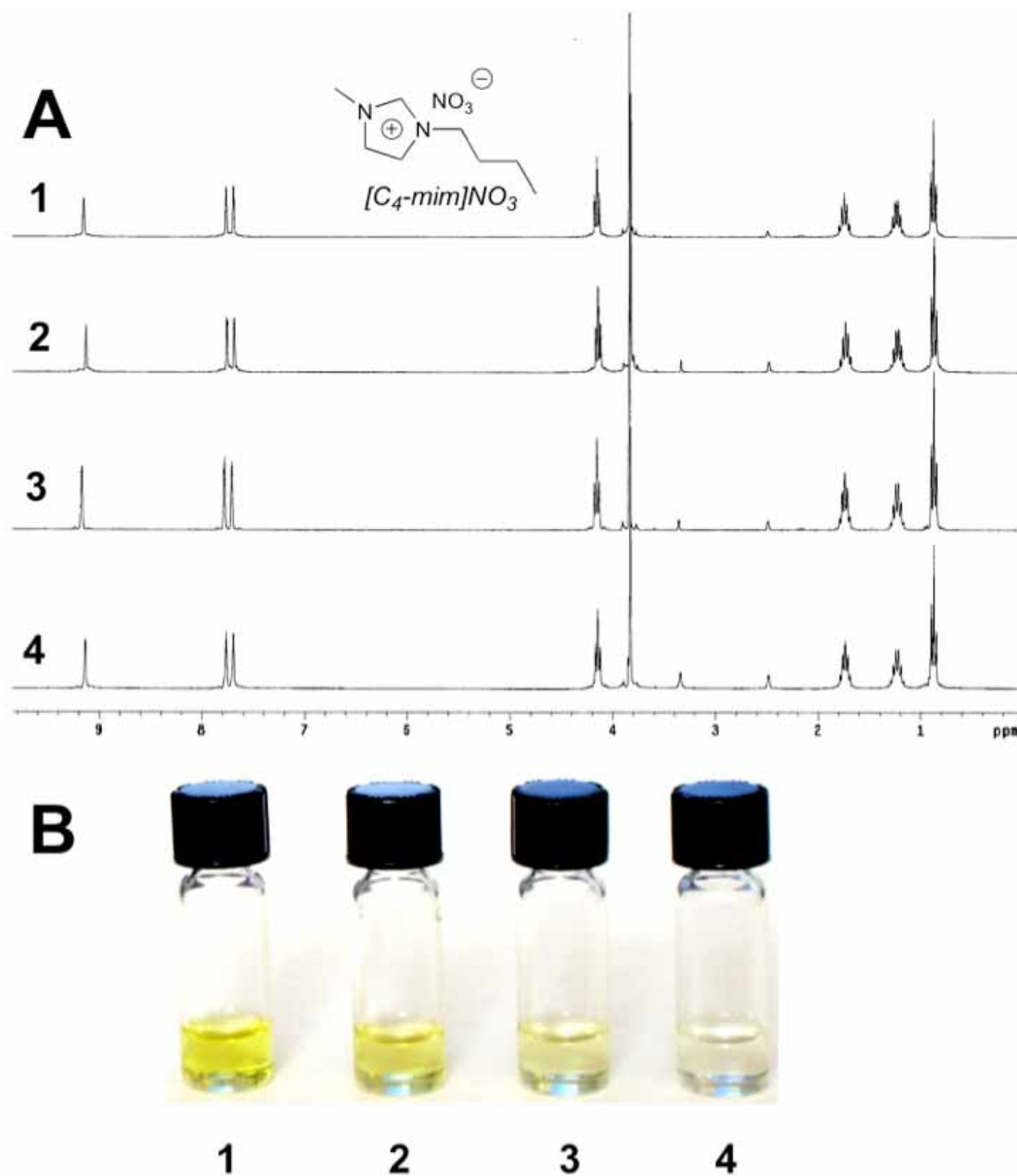


Figure S1. A: ¹H NMR spectra of [C₄-mim]NO₃ in DMSO-d₆; B: Photographs of various samples of [C₄-mim]NO₃:

1 – crude reaction mixture; **2** – **1** after charcoal/CH₂Cl₂; **3** – **1** after charcoal/CH₃CN; **4** – **1** after charcoal/H₂O (see Figure 1 and main text for details)

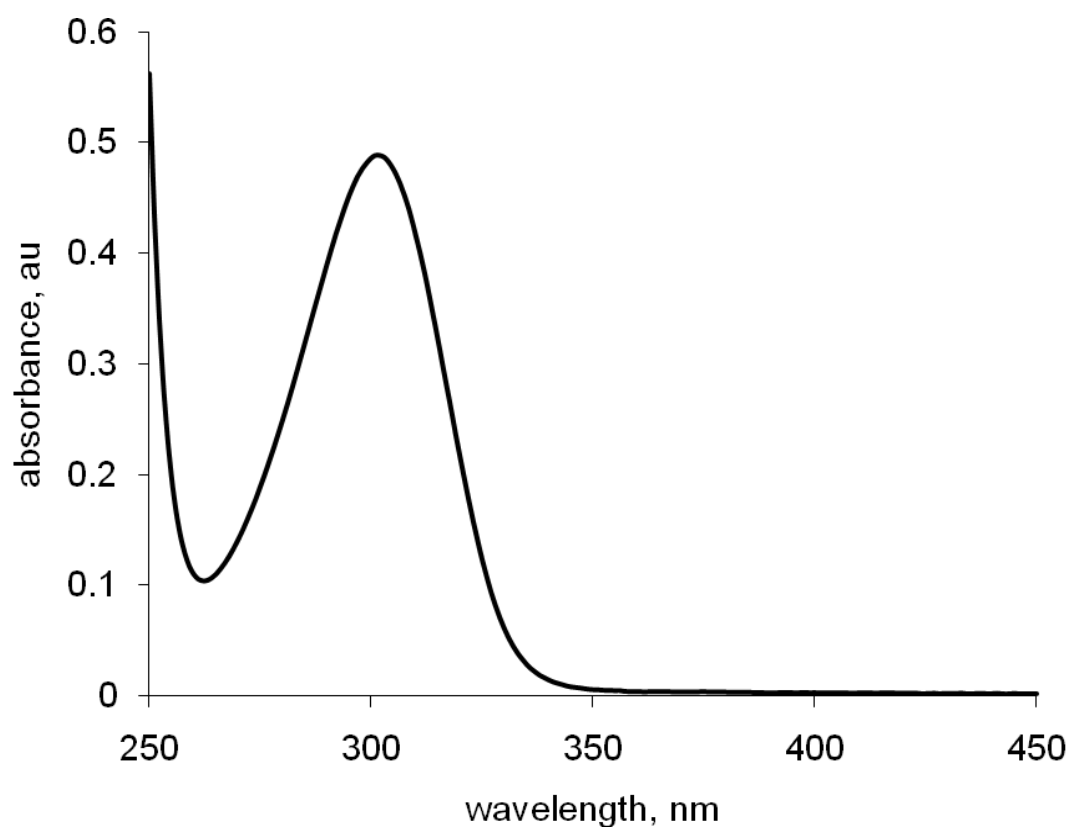


Figure S2. Absorbance spectrum of 0.7 M solution of KNO₃ in water (0.1 cm cell).

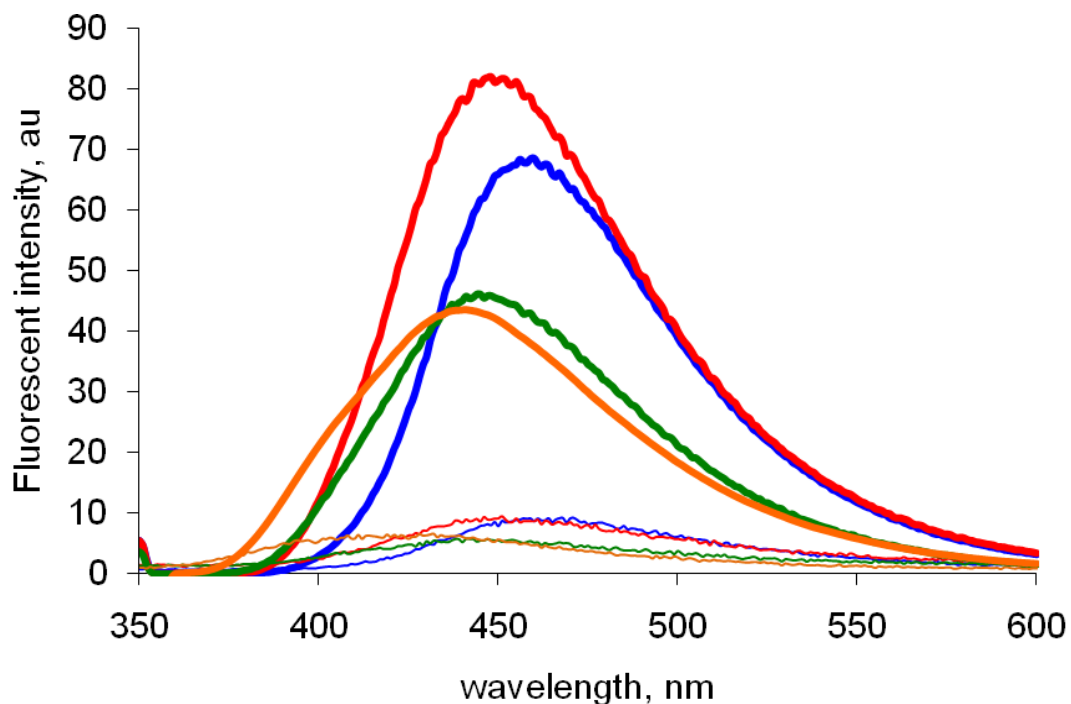


Figure S3. Emission spectra of neat [C₄-mim]NO₃ ionic liquid: **crude reaction mixture**; **after charcoal/CH₂Cl₂ treatment**; **after charcoal/CH₃CN treatment**; **after charcoal/H₂O treatment**; Thick lines – $\lambda_{\text{ex}} = 250\text{nm}$; thin lines – $\lambda_{\text{ex}} = 350\text{nm}$.