

Supplementary Information

Examining the influence of anion nucleophilicity on the polymerisation initiation mechanism of phenyl glycidyl ether

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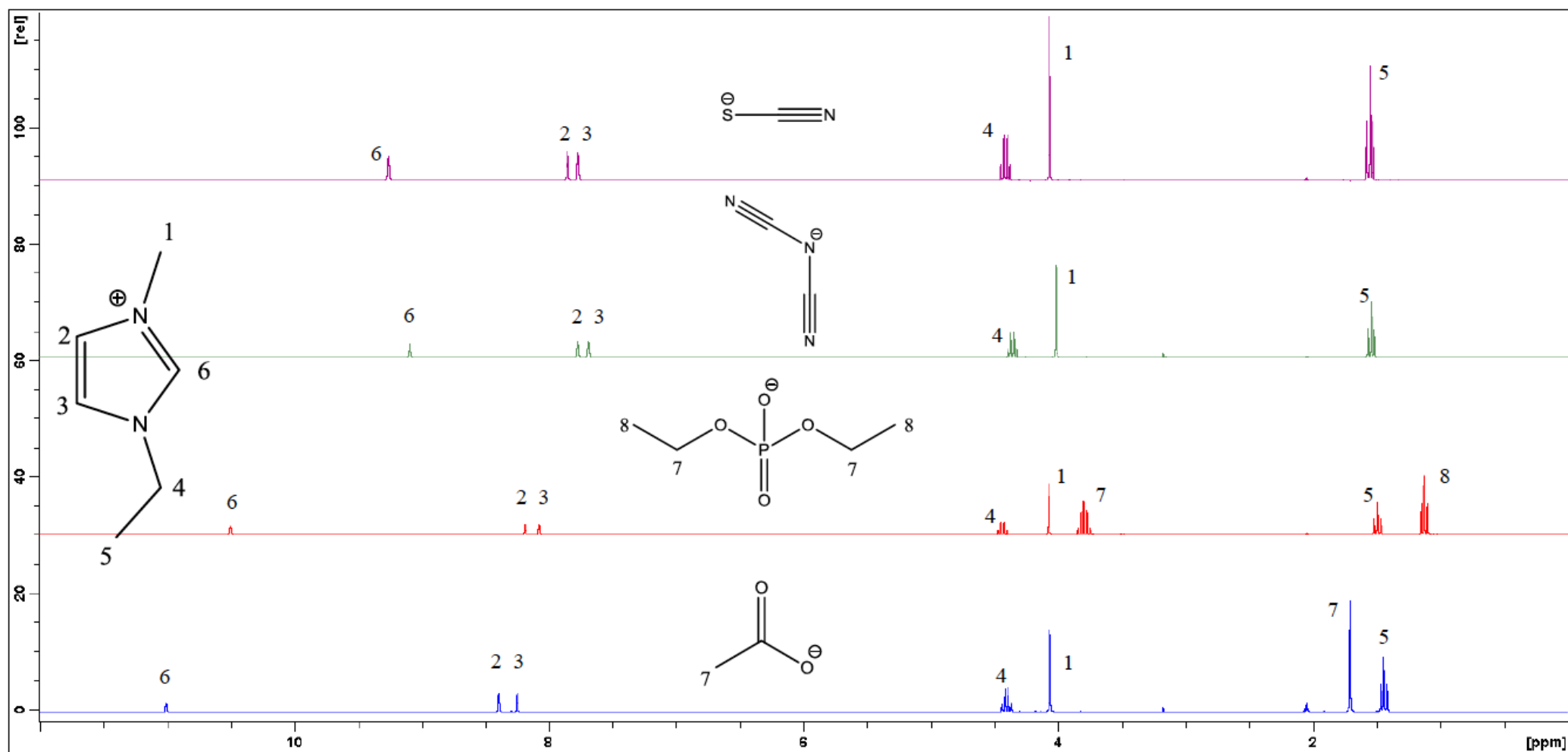


Figure S1. ^1H NMR spectra of selected ionic liquids.

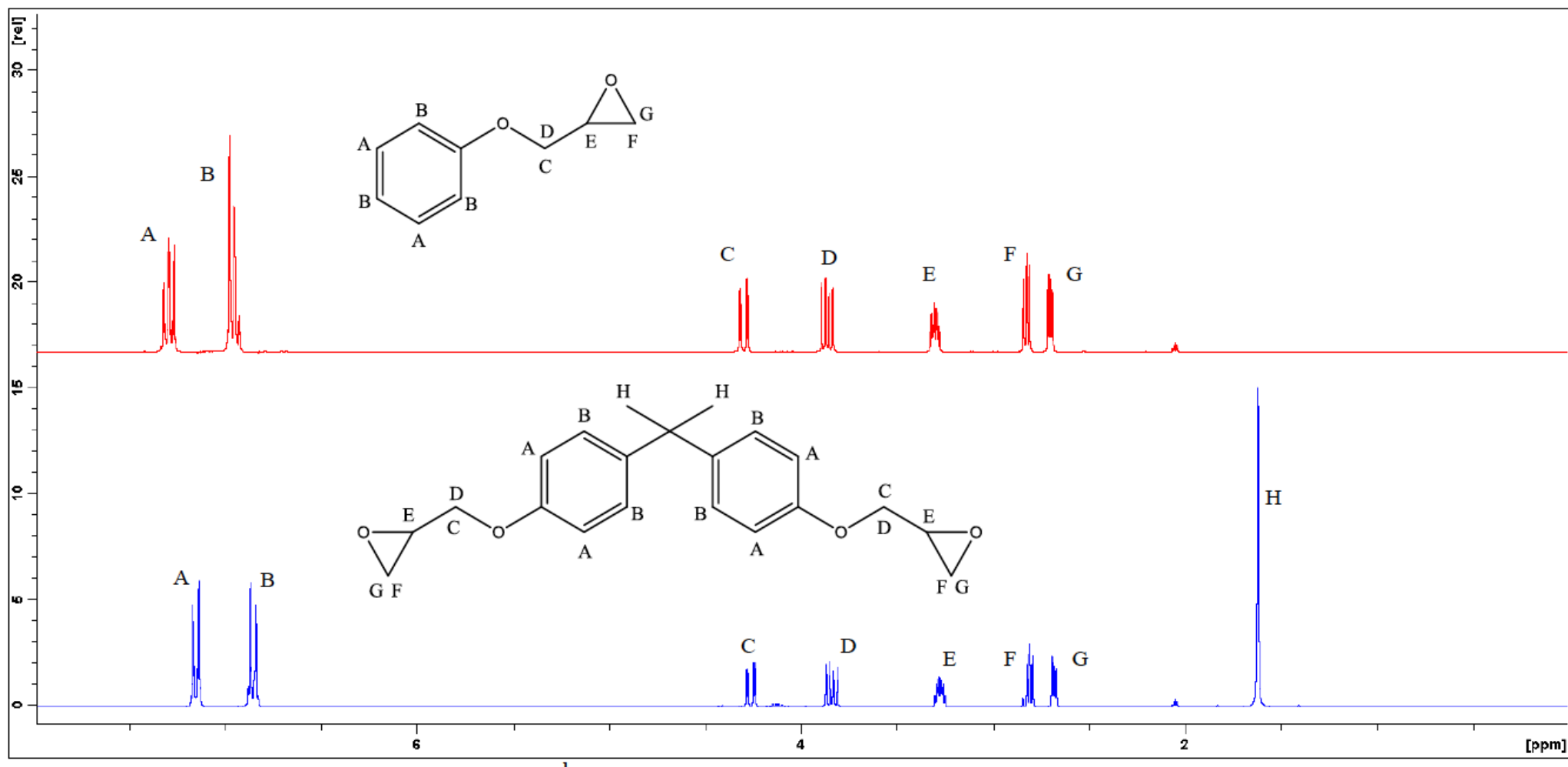


Figure S2. ^1H NMR spectra of phenyl glycidyl ether (PGE) and the diglycidyl ether of bisphenol A (DGEBA).

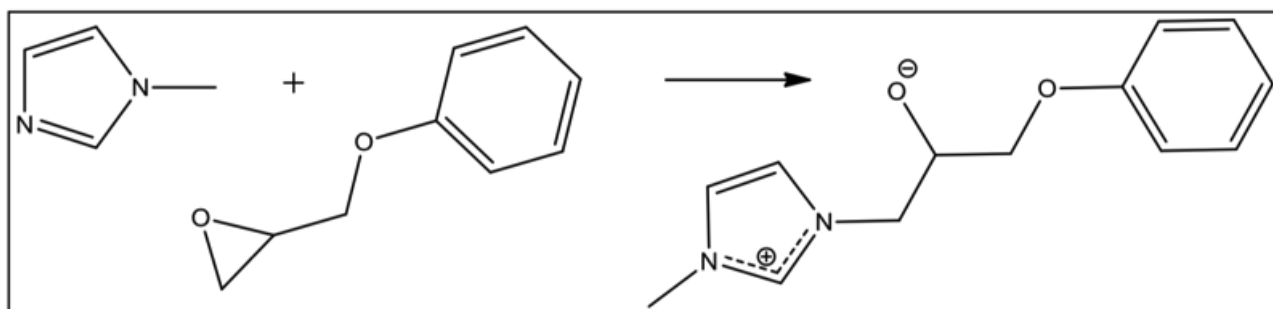


Figure S3. Expected adduct resulting from the reaction between 1-methylimidazole and PGE [19].

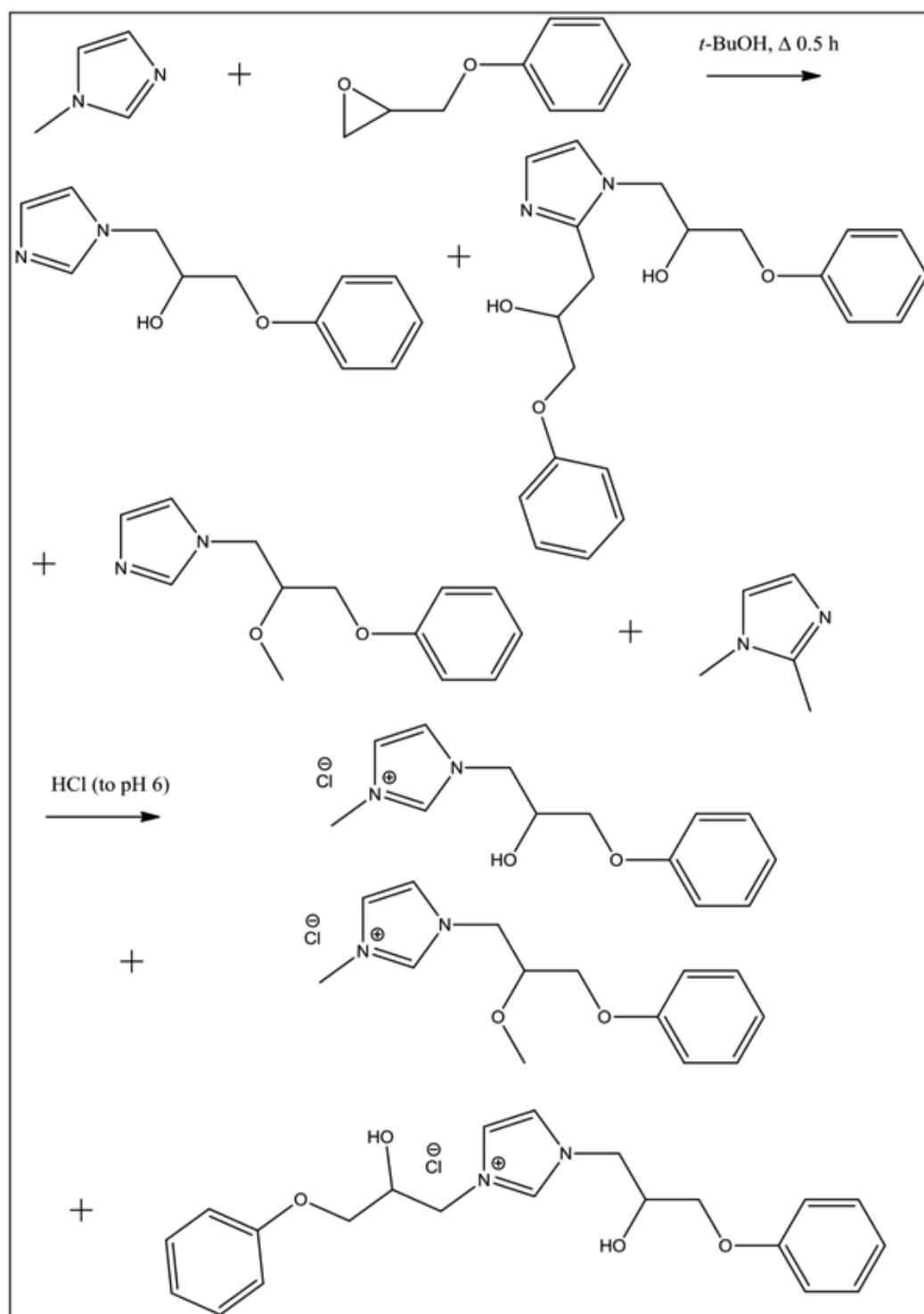


Figure S4. Recovered imidazole-containing products from the attempted preparation of a 1:1 adduct via the reaction between 1-methylimidazole and PGE [19].

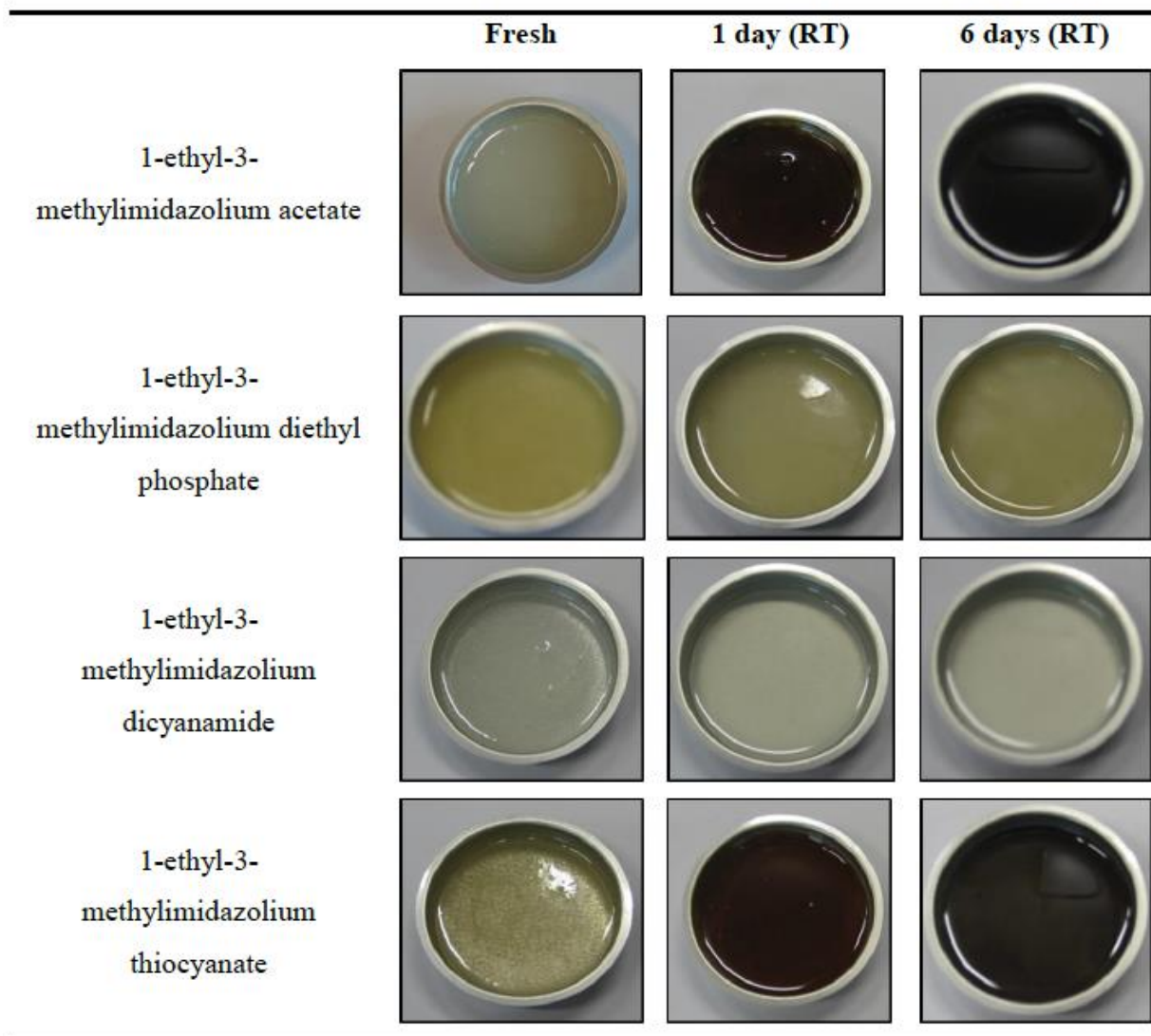


Figure S5. Photographs of the formulations comprising DGEBA (5g) and 1-ethyl-3-methylimidazolium acetate (0.25g), 1-ethyl-3-methylimidazolium diethyl phosphate (0.25g), 1-ethyl-3-methylimidazolium dicyanamide (0.25g), and 1-ethyl-3-methylimidazolium thiocyanate (0.25g). Samples pictured as a function of storage time at ambient temperature.