

Figure S1: ¹H NMR of 1-ethyl-3-methylimidazolium hydrogensulfate

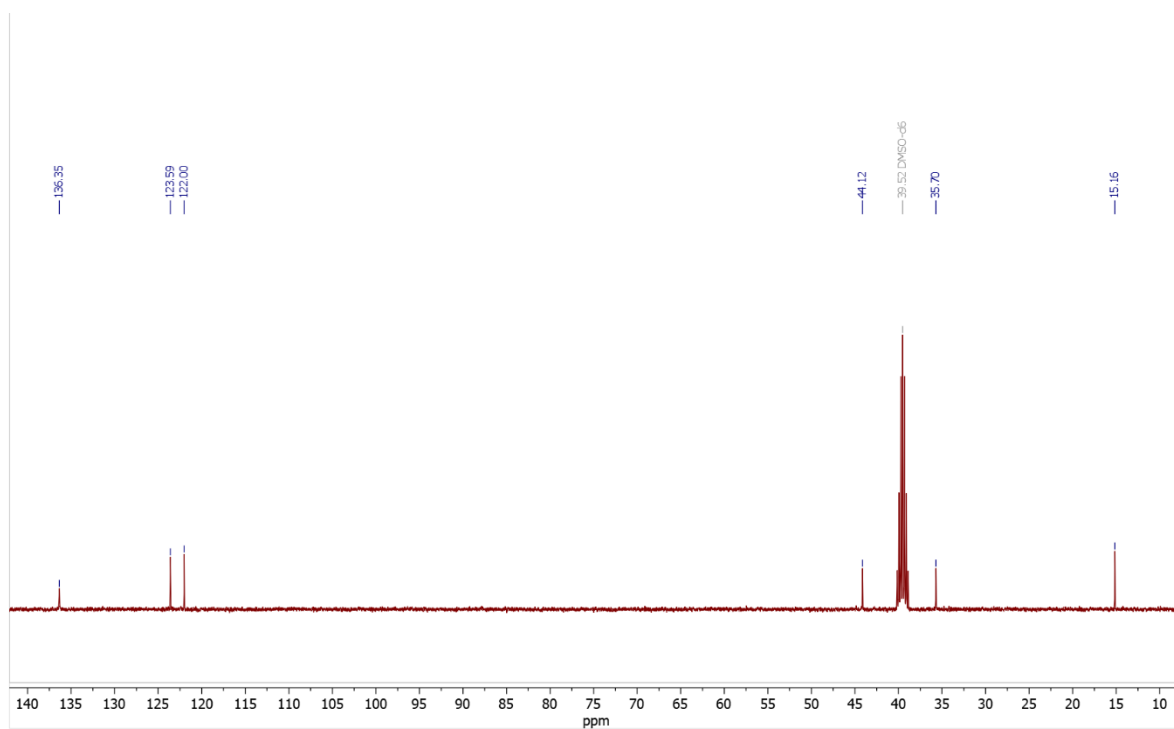


Figure S2: ¹³C NMR of 1-ethyl-3-methylimidazolium hydrogensulfate

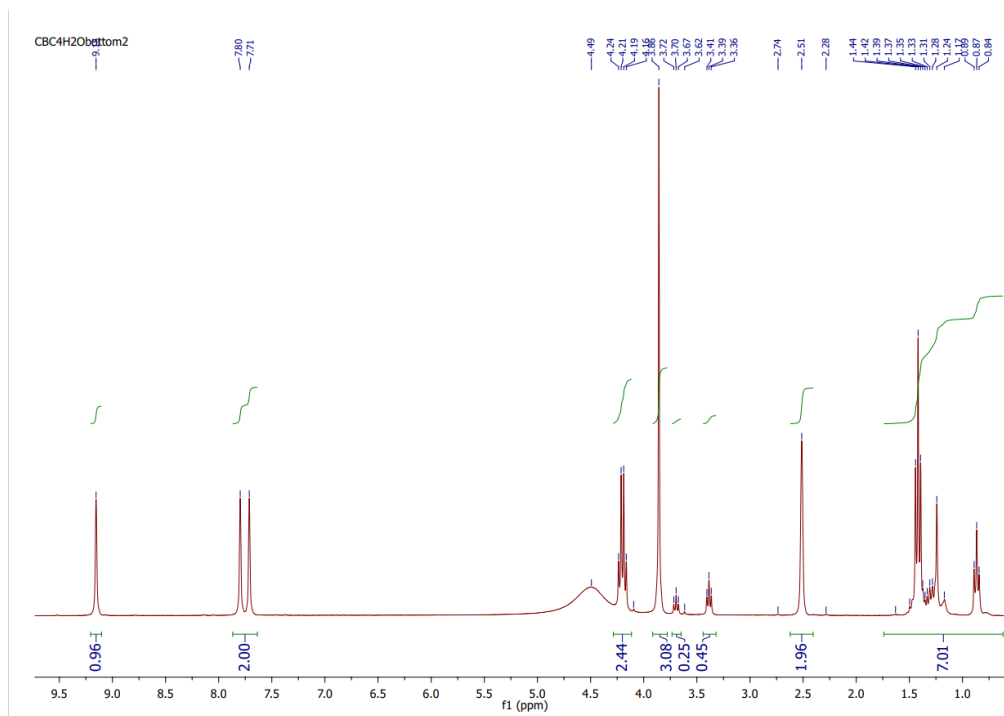


Figure S3: ^1H NMR of the lower IL phase of 1-ethyl-3-methylimidazolium hydrogensulfate, 1-butanol and *n*-tetradecane mixture at 323 K

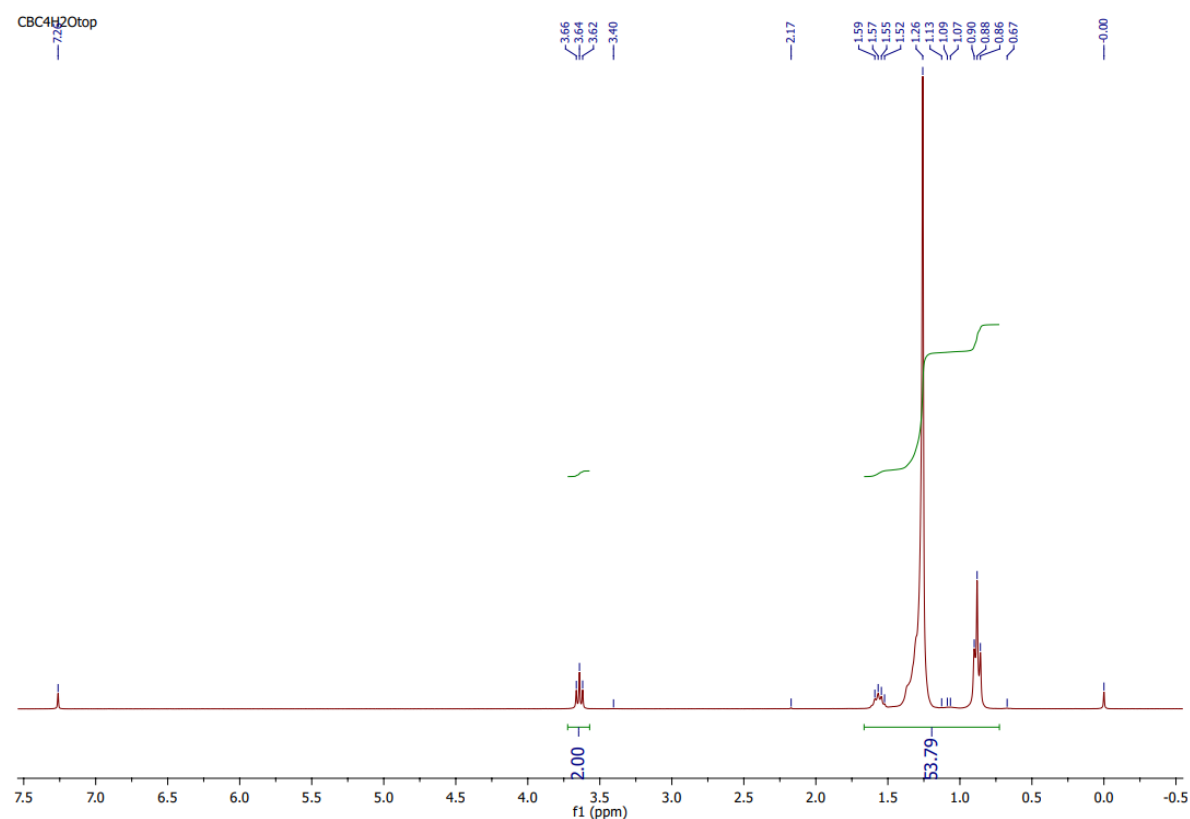


Figure S4: ^1H NMR of the upper alkane phase of 1-ethyl-3-methylimidazolium hydrogensulfate, 1-butanol and *n*-tetradecane mixtures at 323 K

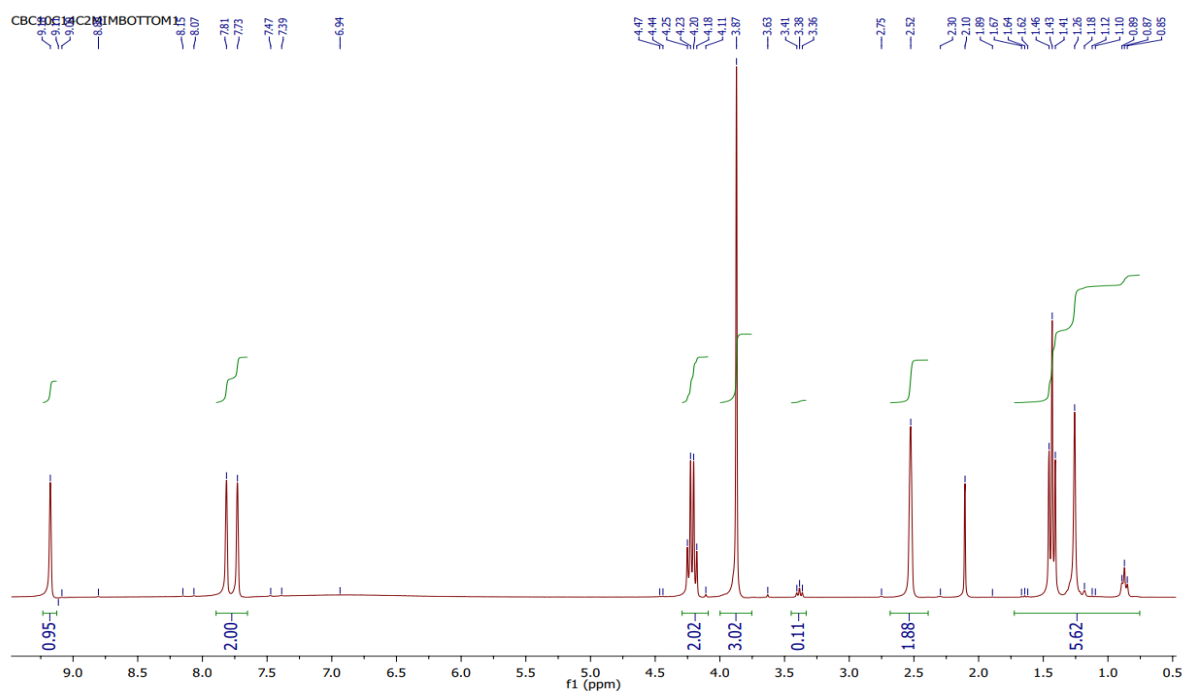


Figure S5: ^1H NMR of the lower IL phase of 1-ethyl-3-methylimidazolium hydrogensulfate, 1-decanol and *n*-tetradecane mixture at 393 K

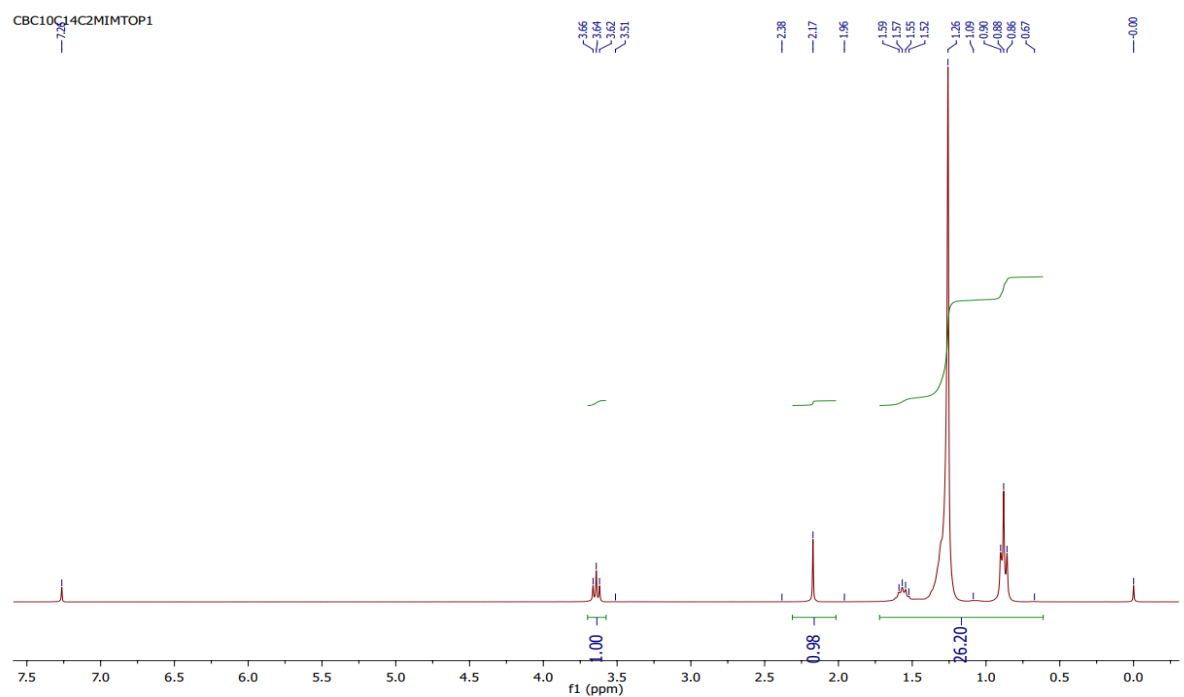


Figure S6: ^1H NMR of the lower IL phase of 1-ethyl-3-methylimidazolium hydrogensulfate, 1-decanol and *n*-tetradecane mixture at 393 K