

Electronic Supplementary Information (ESI)

Catalytic transfer hydrogenation in γ -valerolactone-based ionic liquids

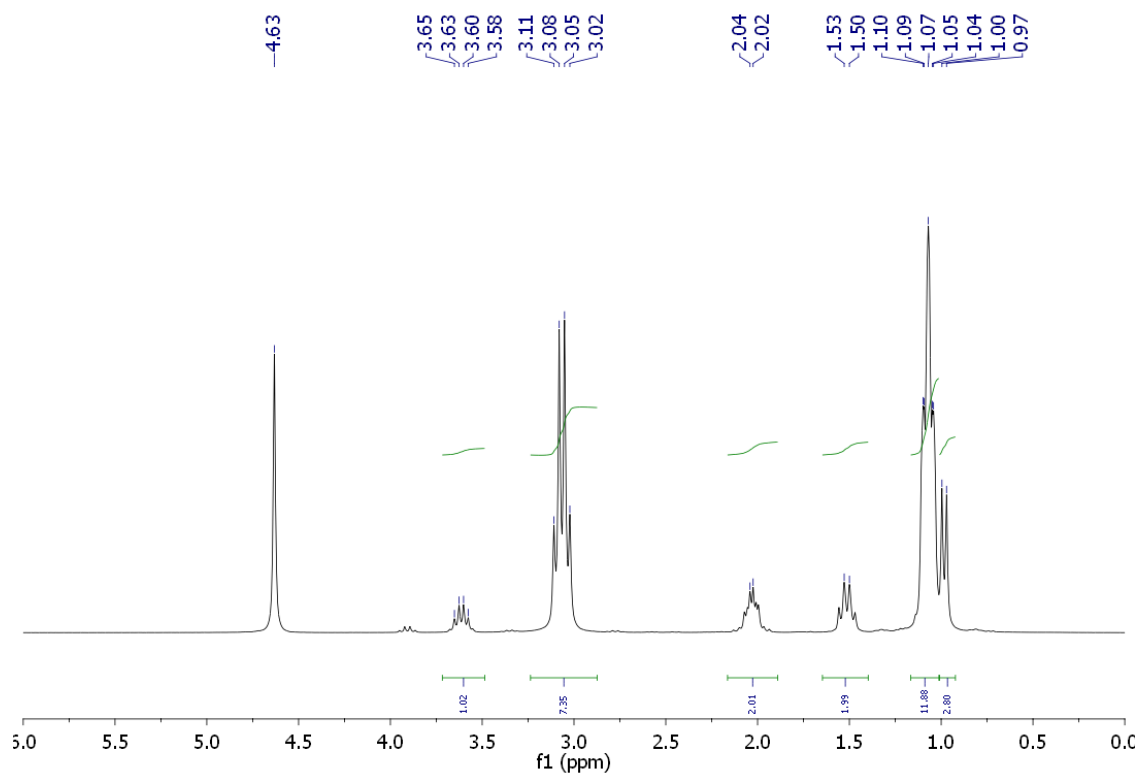
Andrea Strádi,^{a,b} Márk Molnár,^b Péter Szakál,^a Gábor Dibó^{b,c}, Dániel Gáspár,^a and László T. Mika^{a*}

^aBudapest University of Technology and Economics, Department of Chemical and Environmental Process Engineering, Budafoki str. 8. Budapest, Hungary, H-1111. Tel: +36 463 1263. Fax: +36 1463 3197. e-mail: laszlo.t.mika@mail.bme.hu

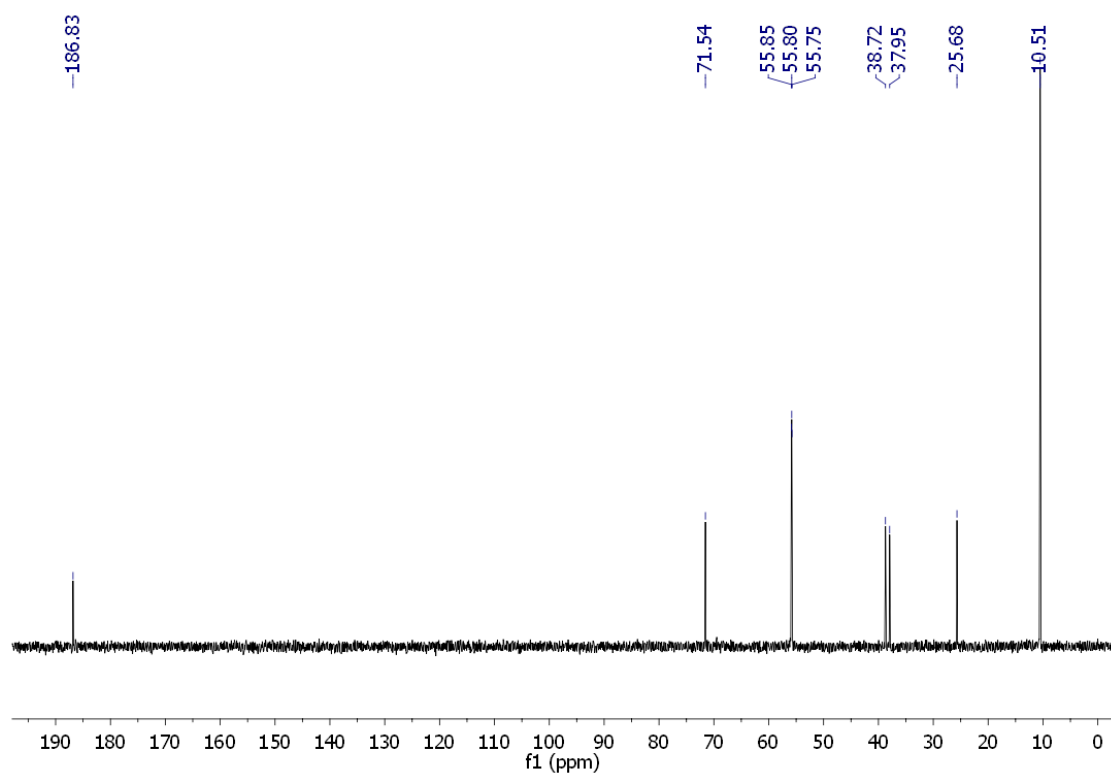
^bEötvös Loránd University, Institute of Chemistry, Pázmány Péter s. 1/a. Budapest, Hungary, H-1117.

^cJános Selye University, Faculty of Education, Department of Chemistry, Bratislavská str. 3322, Komárno SK-94501, Slovakia

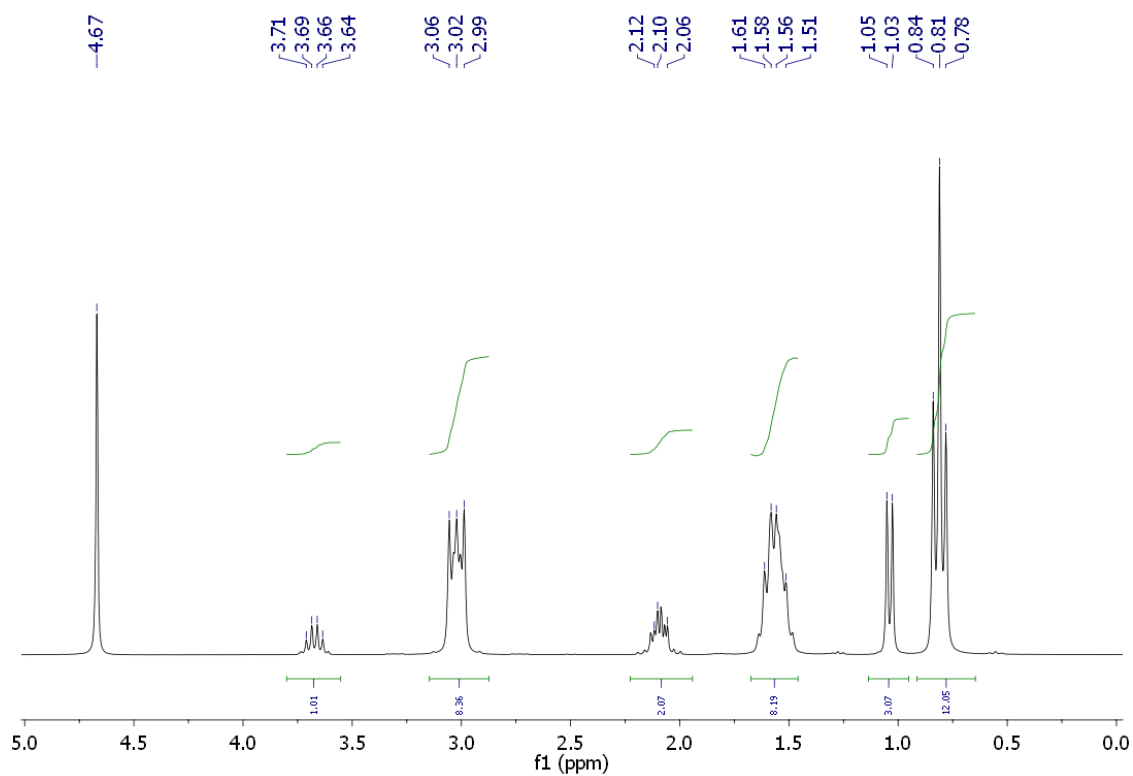
¹H-NMR and ¹³C-NMR spectra of the ionic liquids



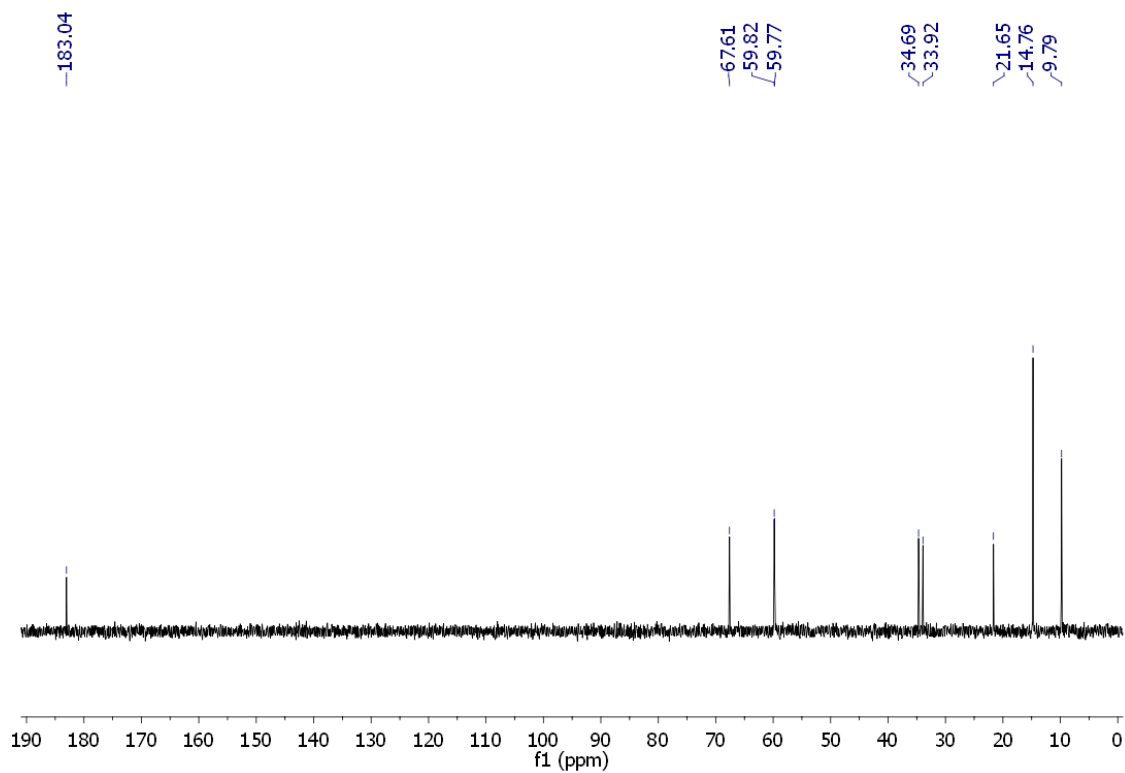
ESI-FIG S1. ¹H-NMR spectrum of [TEA][4HV]



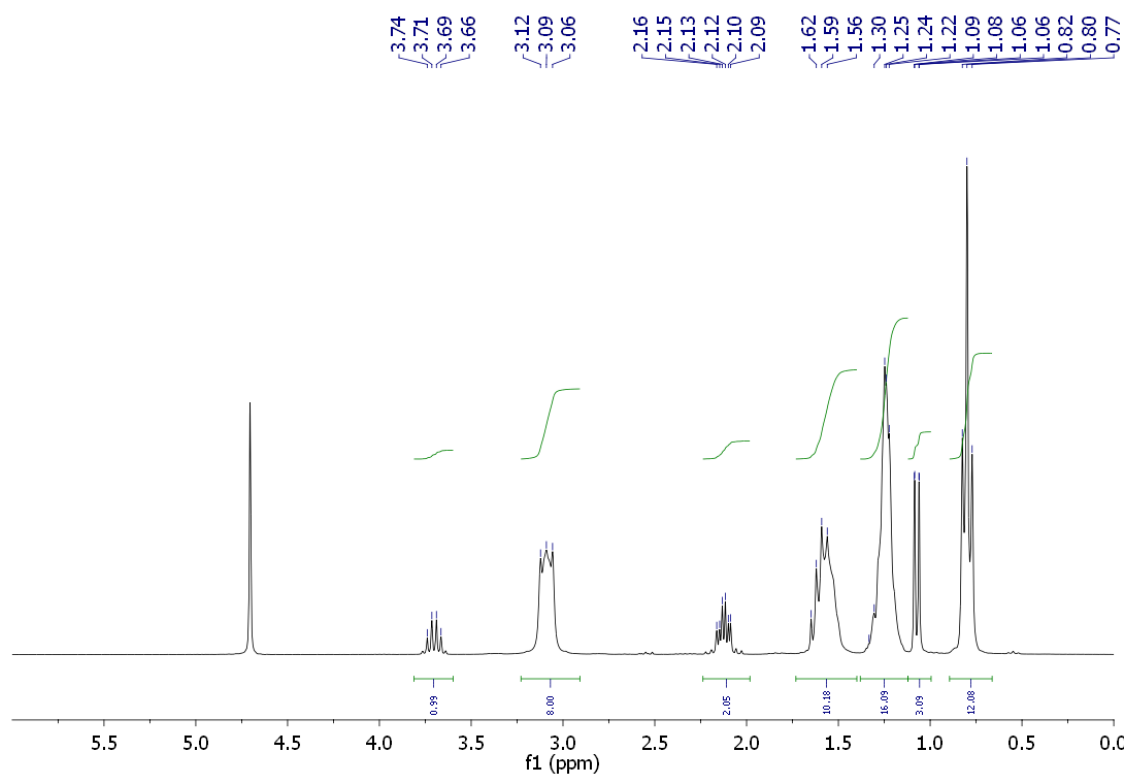
ESI-FIG S2. ¹³C-NMR spectrum of [TEA][HV]



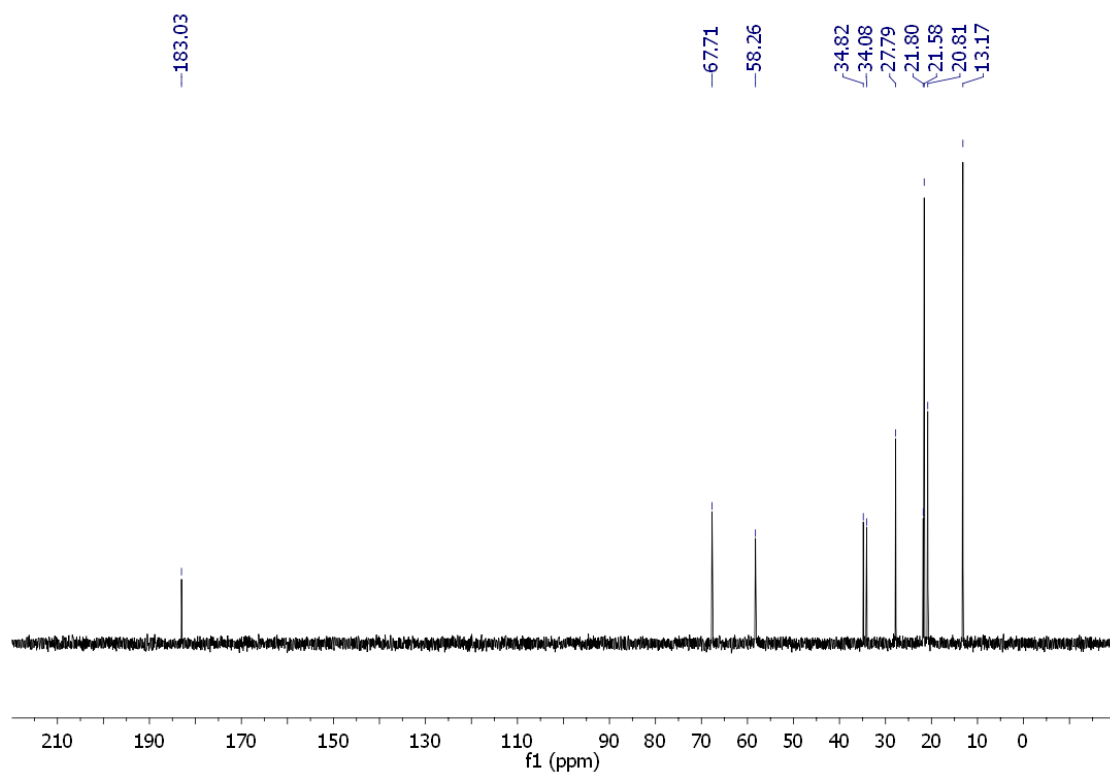
ESI-FIG S3. ¹H-NMR spectrum of [TPrA][HV]



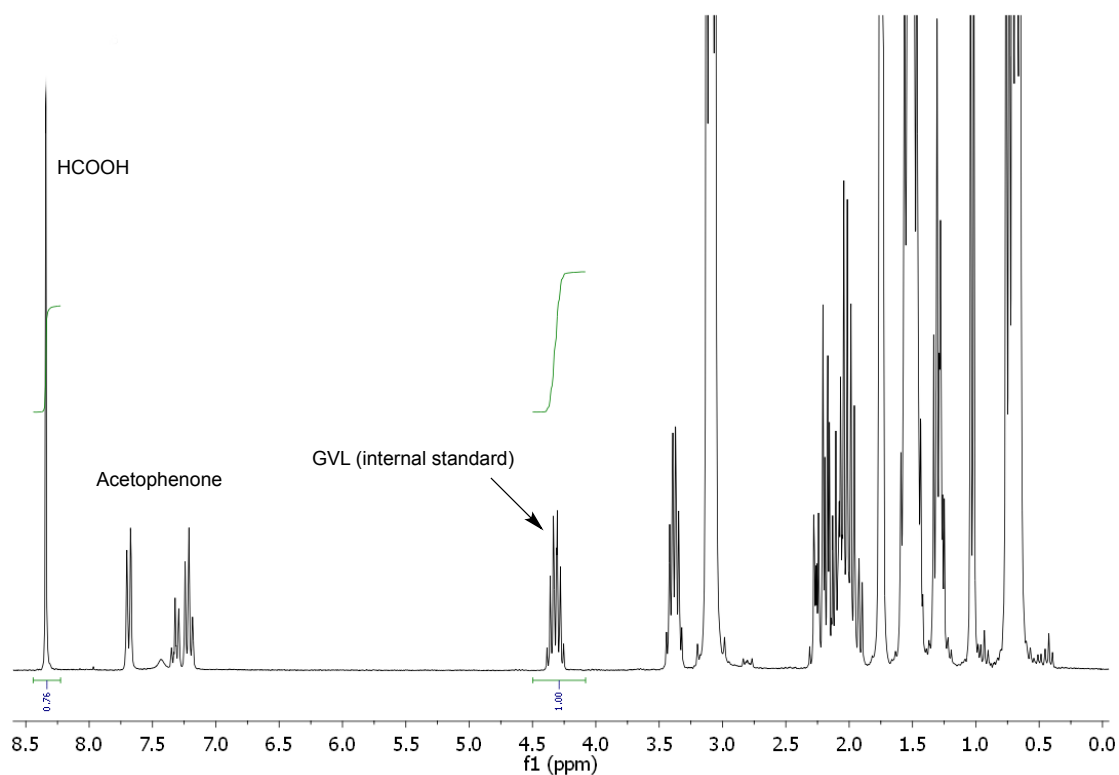
ESI-FIG S4. ¹³C-NMR spectrum of [TPrA][HV]



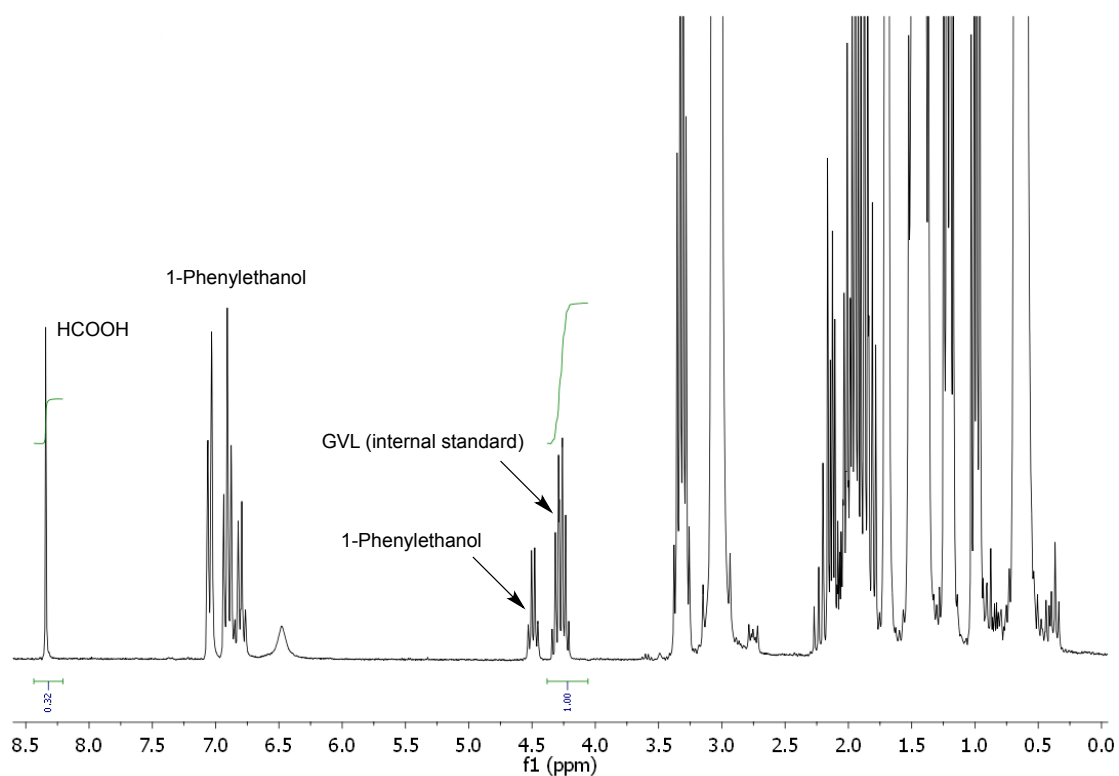
ESI-FIG S5. ¹H-NMR spectrum of [TPeA][HV]



ESI-FIG S6. ¹³C-NMR spectrum of [TPeA][HV]



ESI-FIG S7. ¹H-NMR spectrum of the reaction mixture of [TBA][HV], acetophenone, HCOOH and GVL (as internal standard) before reaction. Integral ratio: HCOOH:GVL=0.76.



ESI-FIG S8. ¹H-NMR spectrum of the reaction mixture of [TBA][HV], 1-phenylethanol, HCOOH and GVL (as internal standard) after reaction. Integral ratio: HCOOH:GVL=0.32.