

Supporting Information

Title: Lipase-catalyzed synthesis of isoamyl acetate in an ionic liquid/n-heptane two-phase system at the microreactor scale

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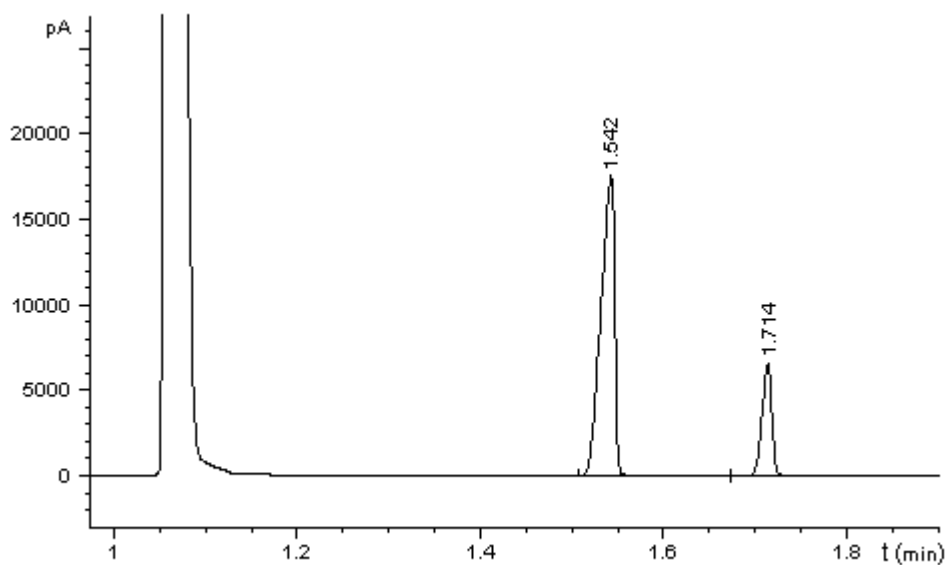


Figure S1. The result of the gas chromatograph analysis of the *n*-heptane phase at the exit of ψ -shaped microreactor is presented. Inlet isoamyl alcohol and acetic anhydride concentrations were 1.5 M and 0.5 M, respectively, and the total flow rate of [bmpyr][dca] and *n*-heptane was 4 μ L/min. The retention times of isoamyl acetate and isoamyl alcohol were 1.54 and 1.71 minutes, respectively, while at 1.07 minutes the peak of the solvent (*n*-heptane) is shown. The corresponding isoamyl acetate concentration was 0.6 M, while the residual isoamyl alcohol concentration of 0.3 M was a consequence of excess amount of this reactant. No by-products were detected at any experimental conditions used through this study.