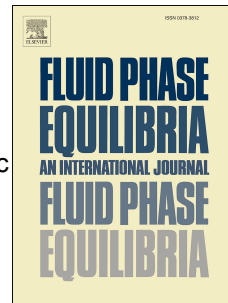


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Separation of binary mixtures based on limiting activity coefficients data using specific ammonium-based ionic liquid and modelling of thermodynamic functions

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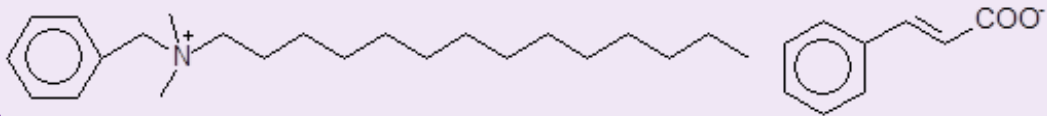
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[N_{Bz,1,1,14}][Cyn]



65 solutes

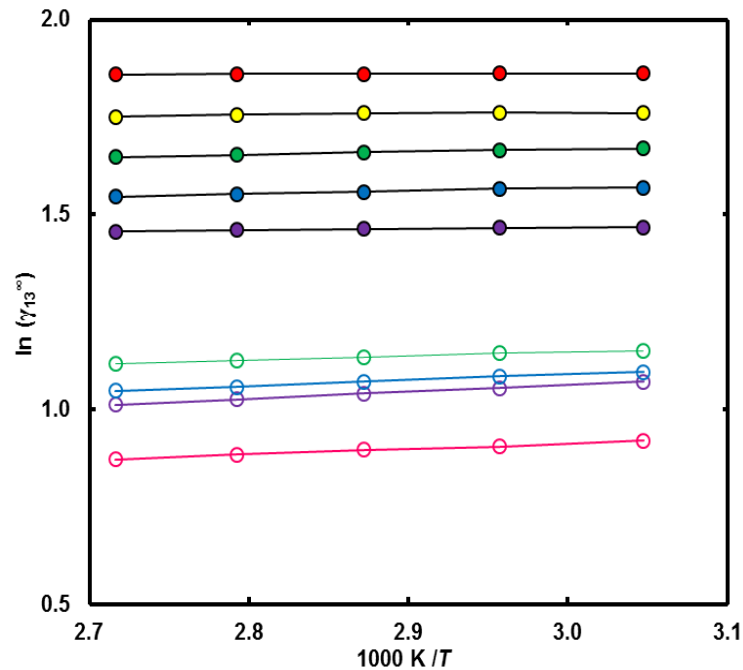


$$\begin{aligned} & \rightarrow S_{12}^{\infty} \\ & \rightarrow k_2^{\infty} \\ & \rightarrow \Delta H_1^{E,\infty} \\ & \rightarrow \Delta G_1^{E,\infty} \\ & \rightarrow T_{\text{ref}} \Delta S_1^{E,\infty} \end{aligned}$$



heptane/ethanol

$$S_{12}^{\infty} = 26.52$$



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