

Solvation numbers of alcohols in *n*-heptane and alcohols in *n*-propanol diluted liquid mixtures from the acoustic Pasynski method.

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The acoustic method of Pasynski was applied to investigate solvation of short-chained normal alcohols in *n*-heptane and *n*-propanol as solvents. For both solvents, the dependence of solvation numbers on length of the solute molecules is surprisingly similar, except that for the shortest alcohols. Applicability of the acoustic method for investigation of intermolecular interactions in non-aqueous liquid systems was proved. Hypothesis on some structural similarity of associated alcohol and hydrocarbon in liquid state is formulated.

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