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Multiparameter correlations for description of thermodynamic parameters of solvation: I. Enthalpy of nonspecific solvation

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Abstract

Applicability of a linear solvation-energy approach for description of the solvation enthalpies of nonelectrolytes is examined. In most cases a good fit of experimental solvation enthalpies can be attained. However, the resulting data are difficult to interpret in terms of different types of intermolecular interactions.

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