

عنوان مقاله:

proton NMR study of the stoichiometry stability and thermodynamics of complexation of Li⁺ ion with 15-crown-5 in binary acetonitrile - nitrobenzene mixtures

محل انتشار:

همایش منطقه ای یافته های نوین شیمی و مهندسی شیمی (سال: 1389)

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

proton NMR spectroscopy was used to study of complexation reaction of Li⁺ with 15-crown-5 15C5 in a number of binary acetonitril AN , nitrobenzene NB mixtures at different temperatures in all cases the exchange between free and .complexed 15C5 was fast on the NMR time scale and only a single population average H signal was observed

کلمات کلیدی:

crown -5, Li⁺, proton NMR , mixed solvent , stoichiometry, formation constant , enthalpy , entropy-15

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