

IR bandshapes of weakly H-bonded systems. II. Complexes of methyl-phenol derivatives with dioxane.

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IR spectra of hydrogen-bonded complexes of four methyl-phenol derivatives with dioxane were measured. A detailed analysis of shape of the stretching vibration band of the proton donor group in these systems was carried out both for the absorbance spectrum $A(\nu)$ factors, correlation functions and correlation times. The results were discussed in terms of Robertson's and Yarwood's theory.

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<http://www.ifpan.edu.pl>