

Thin-film transmission spectra of liquid benzylidenemethylamine and *o*-hydroxybenzylidenemethylamine in the infrared region.

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Streszczenie

The spectrum of the complex refractive index in the NIR and MIR regions was determined for liquid benzylidenemethylamine and intramolecularly hydrogen-bonded 2-hydroxybenzylidenemethylamine from transmission studies. In the MIR region very thin layers with thicknesses of a few micrometers had to be used to obtain reliable data. FT-Raman spectra of the liquids are also reported. Numerous bands were identified in both liquids basing on literature data and results of calculations. The effect of H-bond formation on the shift and intensity changes of bands were discussed.

Słowa kluczowe

Thin film infrared spectra, Near infrared spectra, Raman spectra, Schiff bases, Intramolecular hydrogen bonding

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