

On the unusual IR spectra of the acetic acid-trimethylamine complex in low temperature matrices.

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Streszczenie

Usually the stretching vibration of the A–H group in hydrogen-bonded complexes gives an intense, broad absorption in the IR spectrum. However in a few complexes it has proved difficult to detect this absorption in low temperature matrices. In this work the Ratajczak–Yaremko vibrational model of the hydrogen bond has been applied to simulate the IR spectrum obtained for one such complex: the acetic acid–trimethylamine, ACA–TMA, hydrogen bonded complex isolated in an argon matrix.

Słowa kluczowe

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