FT-IR (6600-50 cm^{-1}) and FT-Raman (3500-70 cm^{-1}) studies of the tetranuclear bismuth(III) complex. $(C_5H_5NH)_6Bi_4Cl_{18}$.

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Streszczenie

The FT-IR and FT-Raman spectra of the tetranuclear Bi(III) complex $Bi(C_5H_5NH)_6Bi_4Cl_{18}$ are investigated. The spectroscopic data reflect the non-equivalence of the pyridinium ions and suggest a strong distortion of the octahedral structure for the Bi_4Cl_{18} group. The near-infrared data show that like in the fundamental region, protonation of pyridine results in a frequency increase of several combination bands.

Słowa kluczowe

Bismuth III Complex, piridinium ion, FT-IR and FT-Raman spectra

Adres publiczny

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