

ESR studies of the Cu(II) complexes with the ONS chelating Schiff bases.

Autorzy

Julia Jezierska

Rok wydania

1992

Czasopismo

Asian Journal of Chemistry

Numer woluminu

4

Strony

189-196

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

The interactions between Cu(II) complexes of tridentate Schiff bases containing the ONS donor atoms (condensation products of 2-hydroxyaryl aldehydes and thiosemicarbazides or o-aminothiophenol) and molecules of polar solvents have been ESR studied both in liquid and in frozen solutions. On the basis of the ESR copper hyperfine structure parameters and the nitrogen superhyperfine splittings the presence of two different adducts with nitrogen coordinating solvents has been established and the structure of the adducts depending on the ligand nature has been discussed.