



ESR study on silver(II) dithiocarbamate complexes in nematic liquid crystal

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-Ag(dtc)₂ and [Ag(dtc)₂py] complexes, (where dtc = dithiocarbamate ligand, py = pyridine) were investigated by ESR in MBBA oriented nematic glasses and organic solvents (MBBA = N-(4-methoxybenzylidene)-4'-butylaniline). On the basis of experimental ESR parameters and simulation procedure the stoichiometry of the complex [Ag(dtc)₂py] was found. The dependences of the spin Hamiltonian parameters on the organic substituents in the dtc ligands and solvents were established and discussed.

Adres publiczny

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