

SYNTHESIS OF LIGANDS FROM AMINO ACID AND STUDYING OF (SPECTRAL, COMPLEXATION, THERMAL, BIOLOGICAL) - APPLICATIONS

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ABSTRACT

The aim of this studying is preparation of three new inorganic ligands from amino acids with 2-formal thiazole in condensation reaction to formation anil compounds which has a wide applications in most of chemistry fields like as a reagents, ligands, polymers, monomers, liquid crystals, antimicrobial, anticancer, our new ligands with their complexes with cadmium ion studied through optimal conditions of complexes like (stoichiometric study, mole ratio, pH, concentration of metal, and ligands, molar conductance). All ligands with complexes were investigated by (UV-Vis spectra, FT.IR –spectra, H.NMR, melting points, Thermal Analysis, Biological activity).