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### To Study the Interaction Between some Transition Metal Ions with Substituted Thiocarbamidophenol Spectrophotometrically

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**Abstract:** Stability constant is an effective parameter in pharmacodynamics and pharmacokinetic study of molecules. The medicinal properties of any molecule are checked after synthetic process for that various physical methodologies are used. Stoichiometry and equilibrium study the metal ion and ligand conducted in 70% ethanol-water mixture solution by spectrophotometry. Stability constant of the complexes are determined by using Job's variation method. The results of this method provide the information about the formation of complexes.

**Key words:** Substituted thiocarbamidophenols, stability constant, spectrophotometry.

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