

Preparation and Characterization of Fe^{+3} , Co^{+2} First Transition Metal Ions Chelates with Heterocyclic Molecules

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Abstract: The transition Metal ion chelates of Fe^{+3} , Co^{+2} is synthesized by using 2-(4'-dimethylamion phenyl)-4-bromo-6-ethoxy benzothiazolyl hydrazones and characterized by different analytical procedure and spectral study. These metal ion chelates are insoluble in common organic solvents. Infrared spectrum showed the bonding through azomethizine N and ring N.

Keywords: Benzothiazolyl Hydrazones, Metal Ion Chelates.**REFERENCES**

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