



Solid State Kinetics of Ni (II) Complex Derived from Schiff Base of 5-Amino1, 2, 3, 4 Thiatriazole with-Ortho-Ethoxybenzaldehyde [NiL₂Cl₂].3H₂O

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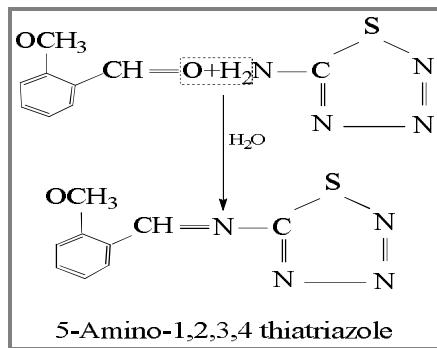
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ABSTRACT

Ni(II) form 2:1 complex with Schiff base ligand of 5-amino 1, 2, 3, 4 thiatriazole and orthomethoxybenzaldehyde. Kinetic parameters like order of reaction activation energy, apparent frequency factor and apparent entropy of activation of third stage of the decomposition of complex have been determined using graphical method of Freeman -Carroll and Doyle's method as modified by Zsako using non-isothermal TG curve.

Graphical Abstract



Preparation of Schiff base .

Keywords: Solid state kinetics, Thermogravimetric analysis, Schiff base.
