



**Solid State Kinetics of Hg(II) Complex Derived from Schiff base of
5-amino-1, 2, 3, 4 thiazotriazole with Ortho-methoxybenzaldehyde**

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ABSTRACT

Hg(II) form 2:1 complex with Schiff base ligand of 5-amino-1,2,3,4 thiazotriazole and orthomethoxy benzaldehyde. 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.

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