



# Journal of Applicable Chemistry

2014, 3 (1): 426-432

(International Peer Reviewed Journal)



## Synthesis And Characterization Of Some Biologically Important Isatin Derivatives

Ratnesh Das\* and Arti Saxena

\*Department of Chemistry, Dr.HariSingh Gour University, A Central University, Sagar (M.P.) 470003 **INDIA**

Email: [ratnesh\\_das1@yahoo.co.in](mailto:ratnesh_das1@yahoo.co.in)

Accepted on 16<sup>th</sup> January 2014

---

### ABSTRACT

Isatins (1H-indole-2,3-dione) are synthetically versatile substrates, where they can be used for the synthesis of a large variety of heterocyclic compounds, such as indoles and quinolines, and as raw material for drug synthesis. Isatin have also been found in mammalian tissue and their function as a modulator of biochemical processes has been the subject of several discussions. This review represents some synthesized Isatin derivatives and their pharmacological profiles which may contribute in future to synthesize various analogs and to develop new pharmacologically less toxic medicines. In this study a new series of Isatin 3 hydrazone derivatives was synthesized. Structure of the title compound was characterized by spectral techniques like FT-IR and <sup>1</sup>H NMR.

**Keywords:** Isatin 3 hydrazones and its derivatives.

---