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## SYNTHESIS OF POLYFUNCTIONALIZED MOLECULAR HYBRIDS OF ISATIN

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### ABSTRACT

In this work, molecular hybrids of isatin were synthesized from chemical transformations involving its aromatic ring, aiming to obtain potentially bioactive compounds for future evaluation of its biological activities. Among these compounds, nine enamminones, six thioureas, three diazonium salts, one 2-pyrrolinone, one tetronamide and seven molecular hybrids of isatin with bioactive phenolic compounds using the diazene group as linker for connecting the fragments. All the 27 isatin synthesized derivatives (Figure1) are novel and were obtained in moderate to good yields, providing through this study methodologies for the synthesis of drug candidates that may have their biological activity evaluated in the future.

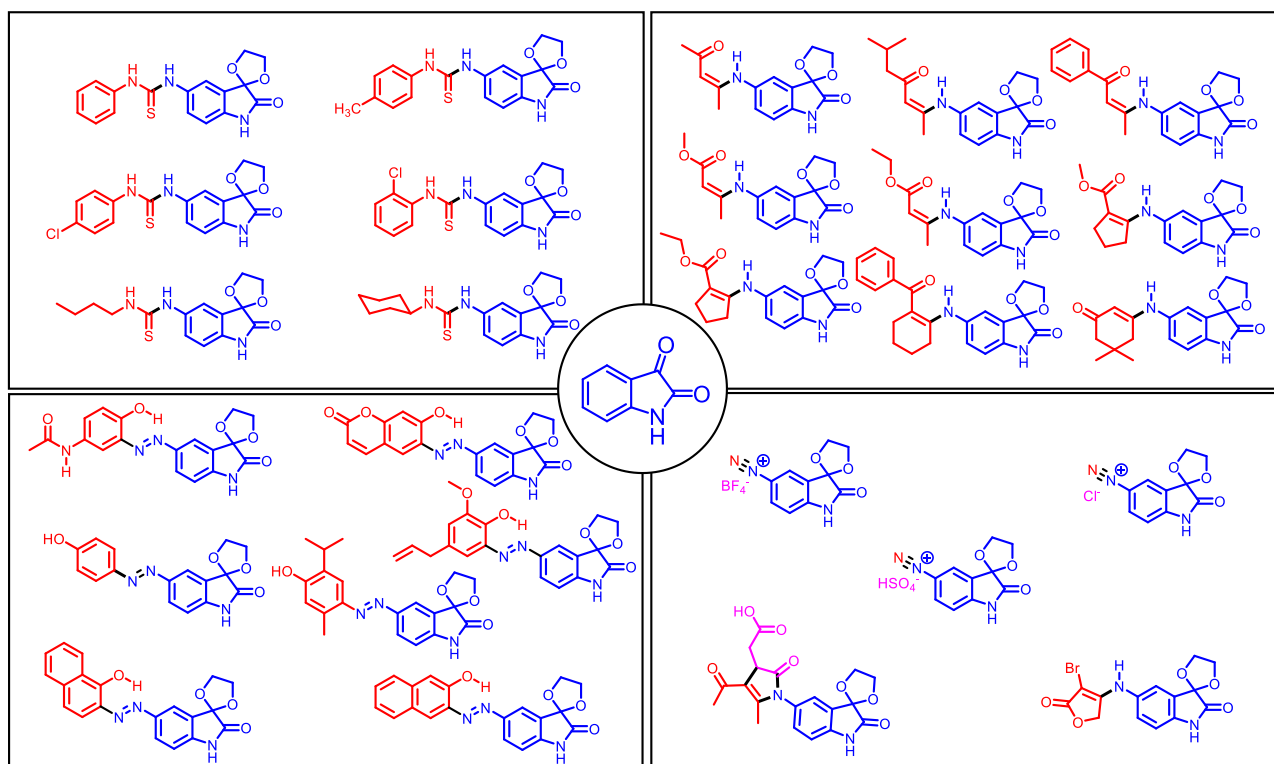


Figure 1. Synthesized isatin derivatives in this work.

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