

Review Article

NOVEL SUBSTITUTED ISATIN DERIVATIVES: A REVIEW

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The synthetic versatility of isatin has led to the extensive use of this compound in organic synthesis. A graphical survey of the application of isatin in the synthesis of other heterocyclic systems is presented in ESI 2, and ESI 3 contains a summary of metal complexes and some organometallic derivatives of isatin. The method developed by Sandmeyer is the oldest and the most frequently used for the synthesis of isatin. In this view we have made an attempt in reviewing the literature on substituted indole for their medicinal significance with help of chemical abstract, journals and internet sites.

Key Words: isatin, graphical survey, aniline, chloral hydrate active biomolecules, bioavailability, pharmacological properties, antibacterial effects.