



## Medicinal application of spirooxindole based analogues

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | The chemistry and an extensive spectrum of biological activities of spirooxindole have been examined since several decades and this heterocyclic core has received emerging consensus. This content aims to summarize recent advances made towards the discovery of Antituberculosis activity, AChE and BChE inhibitory activity, Anti-tumor activity, Antibacterial and Antifungal activity and Miscellaneous Activity holding spirooxindole as a nucleus with the substitution of several types of nucleophiles, and molecular patterns associated with particular potency have been identified targeting several Gram-positive and Gram-negative bacteria and some fungal species, mycobacterium tuberculosis H37Rv, and drug-resistant tuberculosis (XDR-TB), Alzheimer's disease, HCT 116 (colon), MCF 7 (Brest) and HEPG 2 (liver) human tumor cell lines. The report will be of enormous interest to gain useful information for the furtherance of drug discovery with extended spirooxindole designs. | Format: Paperback | Language/Sprache: english | 60 pp.



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