

Review Article

A REVIEW ON “IMIDAZOLES”: CHEMISTRY AND PHARMACOLOGICAL ACTIVITY

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Imidazole is nitrogen-containing heterocyclic ring which has biological and pharmaceutical importance. Imidazoles have involved an extraordinary situation in heterocyclic chemistry, and its derivatives have pulled in extensive interests as of late for their flexible properties in chemistry and pharmacology. In this way, imidazole compounds have been a fascinating hotspot for specialists for over a century. The imidazole ring is a constituent of a few significant normal items, including purine, histamine, histidine, and nucleic acids. Being a polar and ionisable aromatic compound, it improves pharmacokinetic qualities of lead molecules and accordingly is utilized as a solution for advance solvency and bioavailability boundaries of proposed ineffectively solvent lead molecules. The imidazole derivatives have broad spectrum of biological activity, like anticancer, antitubercular, antifungals, anti-inflammatory, antiviral, antibacterial, antidepressant, anticonvulsant, antitumor, antileishmanial, analgesic, and against HIV actives. This paper intends to audit the natural exercises of imidazole during the previous years.

Key Words: Imidazole, Properties, Pharmacological activity.

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