

Review Article

CURRENT STUDY ABOUT PHARMACOLOGICAL PROPERTIES OF PYRAZOLE

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Pyrazole is a heterocyclic motif and has a place in the field of medical chemistry. The pyrazole moiety plays an important role in many biologically active compounds and therefore represents an interesting combination and a medicinal chemical template. Furthermore, pyrazole is also widely used as a useful synthon in organic synthesis. This review includes a recent literature review on the synthesis of pyrazole derivatives and biological research reporting methods. Derivatives of pyrazole are considered the most active heterocyclic compounds in nature, with a wide range of diverse biological and pharmacological activities, such as antibacterial, antifungal, anti-inflammatory and antitubercular, Anticancer, analgesic, anticonvulsant, anti-obesity, antidepressant, anti-leishmania, antioxidant activity. The recent success of pyrazole COX2 inhibitors has further highlighted the importance of these heterocycles in medical chemistry.

Key Words: Pyrazole, Pharmacological Activity, Anti-inflammatory, Analgesic, Anti-microbial activity, Anti-cancer.

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