Abstract

Heterocyclic compounds are present in abundance in our surroundings. They owe their importance in the biological system due to uniqueness in their structural Skelton parts. They are naturally found in nucleic acid, vitamins, antibiotics, hormones etc. Nitrogen containing heterocyclic compounds are an important class of heterocyclic compounds that has paid significant contribution towards medicinal chemistry. The types of compounds depend upon number of nitrogen atoms and their position. e.g. Pyrimidine contains one nitrogen atom in ring skeleton. With two nitrogen atoms it is called diazine, pyrazine etc. However, the review tends to focus on the importance of Pyrimidine class of compounds and their role as antibacterial, antifungal, anti-malarial, anticancer and other agents. The review also includes some of the marketed drugs having Pyrimidine ring nucleus and their application.
References

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- Wagner E, Al-Kadi K, Zimecki M, Sawka-Dobrowolska W. Eur J Med Chem, 2008;43:2498-2504. Some of these marketed drugs are listed above. The biological significance of pyrimidine reflects its versatility and it offers the medicinal chemist a continued interest in planning and developing new drug to ensure heterocyclic chemistry, an area of great interest.
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Index Terms

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