Synthesis of 7-Membered Heterocyclic Compounds and Their Biological Activity

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Abstract

Heterocyclic compounds are an important class of organic compound. Owing to their usefulness in synthetic processes, numerous heterocyclic compounds are currently known, and this number is growing quickly. The uses of heterocyclic compounds are numerous. They are mostly used as veterinary goods, agricultural chemicals, and medications. Additionally, they are used as sanitizers, cleansers, antioxidants, corrosion inhibitors, co-polymers, and dye ingredients. The ring of a heterocyclic compound contains at least two unique components as members. On such a cyclic ring, the frequent heteroatoms are oxygen, nitrogen as well as sulphur. The most stable heterocyclic compound is a 7-membered ring over other heterocyclic compounds. Hence this article specifically reviews the synthesization of 7-membered heterocyclic compounds and their biological activity. The set of reviewed articles chosen in the current attempt is selected after the rigorous process of evaluating each aspect related to the 7-membered heterocyclic compound. This review paper will be of great interest to scientific groups working in the field of organic molecule synthesis and development.

References

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