



Review

Dimedone as the Source for Antimicrobial Agents; Synthesis and Anti-Microbial Property of Compounds Obtained Using Dimedone as the Precursor

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ABSTRACT

Dimedone, a cyclic 1,3-diketone having flanked dimethyl groups acts an excellent precursor for the synthesis of partially hydrogenated and fused heterocyclic compounds. It serves as an important precursor for the synthesis of compounds possessing anti-bacterial and anti-fungal activity. In the present review application of dimedone as a precursor for the synthesis of anti-microbial compounds is discussed.

High Lights:

- Dimedone acts as an excellent precursor for the synthesis of partially hydrogenated and fused heterocyclic compounds.
- It serves as an important precursor for the synthesis of compounds possessing anti-bacterial and anti-fungal activity.
- In the present review application of dimedone as a precursor for the synthesis of anti-microbial compounds is discussed. It is used for polyhydroacridine, tetrahydro benzopyran, polyhydroquinolines, etc synthesis.

Keywords: Anti-microbial, 1,3-diketone, Pyrrolo[2,3-d]pyrimidines, Heterocyclic.
