

Synthesis a Number of Triazene Compounds Derived From Purine and Studying their Biological Activity on Pathogenic Bacteria

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Abstract

In this research a number of compounds were prepared by coupling dizonium salts with purine bases. The structures of the prepared compounds were identified by ultra violet ,infra red spectra and Elemental (C.H.N) analysis .The biological activity of these compounds was investigated on five genera of pathogenic bacteria: S. aureus , Str. viridans , Ps. aeruginosa , E. coli and Sh. dysenteriae using Disc diffusion method. Also the minimum inhibitory concentration (MIC) was calculated .It was found that these compounds have medium biological effect against these genera of bacteria.