

STUDY OF BIOLOGICAL ACTIVITY OF (CIPROPHLAXINE DRUGS AND MEFENAMIC ACID) – DERIVATIVES

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ABSTRACT

In this work, derivatives of ciproflaxine drugs and mefenamic acid were synthesized, tested for antibacterial activity. A new series of ciproflaxine drugs and mefenamic acid derivatives were synthesized via condensation reaction to produce nine derivatives compounds [1-9] are: ciproflaxine derivatives [1-5] and mefenamic derivatives [6-9].

The new drugs derivatives [1-9] have been evaluated for their antimicrobial activity against various gram positive and gram negative bacteria which was comparable to activity of past studies (ciproflaxine and mefenamic). All the newly synthesized drugs derivatives were identified by spectro –methods like (FT.IR- spectra and H.NMR spectra) as chemical indicators for synthesis of new derivatives

KEYWORDS: Ciproflaxine, Mefenamic, Antibiotic