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## Microwave assisted synthesis of amide derivatives of the drug ciprofloxacin and screening the biological properties

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**Abstract**: It is synthesis of organic compounds derived from drug ciprofloxacin as amide form with the help of microwave irradiation. It created a series of these compounds (**3a-3n**) by ester derivative as intermediate. These compounds have been diagnosed using the following spectroscopic methods: IR, <sup>1</sup>HNMR and <sup>13</sup>CNMR as well as the use of elemental microanalysis (CHN) found that all spectra match the look and structural molecule. All compounds proved better effective against bacterial Gram-negative and positive like bacteria type (*Proteus mirabilis, Escherichia coli, Staphylococcus aureus, Granuticetella adiacens*). **Keywords:** Antibacterial, Thiazole, Ciprofloxcin, DNA gyrase, fluoroquinolones, Amide.

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