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Abstract

Preparation, investigation, theoretical study and biological activity of 2-[4-acetyl phenoxy) N-(4-substituent phenyl)] acetoamide derivatives

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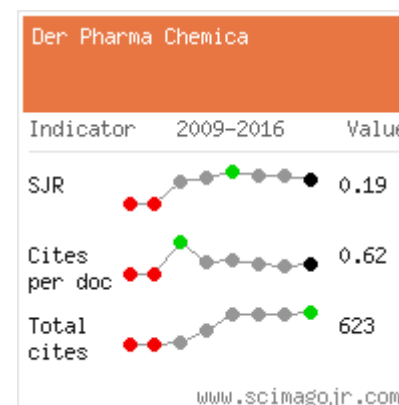
We have prepared a number of 2-[4-acetyl phenoxy) N-(4-substituent phenyl)] acetoamide from reaction α -chloro acetoamide-N-(P-substitute phenyl) with p- acetyl phenol in the presence of sodium and absolute ethanol. All products, have been characterized by IR and theoretical study. The anti bacterial activity of prepared compounds was described. The in vitro anti bacterial activity of the compounds was determined against pathogenic gram negative Escherichia coli and gram positive Staphylococcus aureus bacteria. Anti bacterial results indicated that the compounds possessed a broad spectrum of activity.

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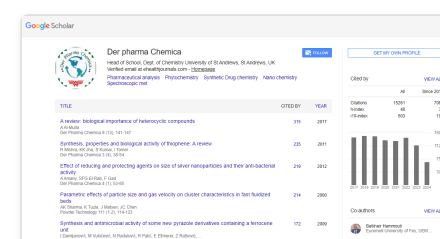
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