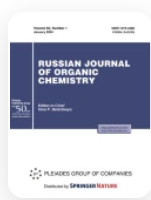


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# Microwave-Assisted Synthesis of Some Novel 1,2,3,4-Tetrahydropyrimidine Derivatives as Antidiabetic Agents

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## Abstract

An efficient and rapid microwave irradiation protocol have been developed for the synthesis of a new series of *N*-(4-*R*-phenyl)-6-methyl-4-(4-{[5-(4-nitrophenyl)-1,3,4-oxadiazol-2-yl]methoxy}phenyl)-2-oxo-3-phenyl-1,2,3,4-tetrahydropyrimidine-5-carboxamides. The synthesized compounds were evaluated for their *in vitro* antidiabetic activity by the  $\alpha$ -amylase inhibition assay, and some derivatives exhibited a significant antidiabetic activity.

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## Ethics declarations

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The authors declare no conflict of interest.

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