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A Rapid and Convenient Synthetic Route to Novel 1,5-Benzodiazepine Derivatives of 5-Methyl-3-phenyl-2-oxo- Δ^4 -1,3,4-oxadiazolines from *p*-Acetylphenylsydnone and Their Pharmacological Activity

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摘要 A simple and high yielding method for the integration of 1,5-benzodiazepines integrated with 5-methyl- 2-oxo-3-phenyl- Δ^4 -1,3,4-oxadiazolines in 75%—90% yield by microwave irradiation is devised. Microwave-accelerated reaction was compared with thermal method. All the compounds were characterized by physical, analytical and spectral (IR, ^1H NMR, MS) data. Title compounds were screened for preliminary pharmacological activities.

关键词 [p-acetylphenylsydnone](#) [1,3-dipolar cycloaddition](#) [1,5-diazepine](#) [Michael addition](#) [microwave irradiation](#) [thermal method](#)

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