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A Convenient Synthesis of 2-Azitidinone Via-Safer and Green Catalyst

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ABSTRACT:

In order to establish a convenient and safer systemic methodology for the syntheses of β-lactam we have undertaken this study. Green approach has been adopted for the synthesis of some new series of β-lactam. The moiety have selected on the bases of its potential chemotherapeutic activity. Selected base azitidinone moiety is, having with earlier reported numerous antimicrobial activities. The position 2 of lactone is bearing with highly interested for our study. Our study is established with aim to contrast the ultrasound/microwave with conventional/traditional system. The use of green catalyst is the aim and key point of this study.We mixed both the route and designed to synthesize the targeted molecules. The characterizations of the compounds have been done by UV, FT-IR and Mass analyzers. Results of biological activities have been inspirited us for further anti-carcinogen study and with its QSAR study.