

## STUDY ON SYNTHESIS AND ANALYSIS OF DIASTEREISOMER OF $\beta$ -LACTAM

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### TÓM TẮT:

The  $\beta$ -lactams are class of compound with interesting biological activities such as antibacterial, antifungal and cholesterol absorption inhibition. The  $\beta$ -lactams also serve as synthons for many biologically important classes of organic compounds. This article describes the synthesis of  $\beta$ -lactam from kenten, bearing phenoxy-group and imines, bearing phenyl-group. By mean of this synthesis, the compounds of cis- $\beta$ -lactam were obtained in a good yield. The structure of products were elucidated by the NMR spectroscopy. These diastereoisomers of  $\beta$ -lactam were analyzed by HPLC method. Result of analysis was high stereoscopic selectivity of 9a-d (de ~ 97%).