

## ABSTRACT

Asymmetric induction methods have been successfully exploited towards the synthesis of new pendant moieties useful as constituents in the formations of alpha substituted serines used as broad-spectrum antibiotics. Natural products such as ISP-I, (+)- lactacystin, and (+)- conagenin bearing the chiral alpha substituted serine moiety have attracted particular attention because of their biological activities. In this work, glycine and L-proline have been utilized for the synthesis of bislactim ether derivative. Bislactim ether derivative will act as the precursor for the synthesis of alpha - substituted serine. An amide like compound [2] is synthesized by dehydrative condensation. The characterization of compounds is described by the parameters, melting point, solubility,  $R_f$  value and I.R. spectra. Further research work is in progress.