

PROJECT TITLE : SYNTHESIS OF HOMOALLYLIC ALCOHOLS FROM ALLYLIC
ALCOHOLS BY THE APPLICATION OF SIGMATROPIC REARRANGEMENTS

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ABSTRACT

[2,3] sigmatropic rearrangement of alkoxyorganolithium has been utilized in the cyclic series, especially in the synthesis of exocyclic methylene group of cycloalkanones. This type of reaction has been applied to the synthesis of sarkomycin. This compound isomerized to the corresponding double-bond isomer in the last step of the synthesis.