Tetrahedron, 45, 6127, (1989) SYNTHESIS OF w-HYDROXY ANALOGUES OF VALINE, LEUCINE AND ISOLEUCINE соон COOH соон Sabine Englisch-Peters Max-Planck-Institut für experimentelle Medizin, Abteilung ĊH (NH2) ĊH (NH2) ĊH (NH2) Chemie, Hermann-Rein-Str. 3, D-3400 Göttingen, FRG ĊH(CHa) ĊH2 CH (CH3) The isomers of y-hydroxy-valine were prepared by a modified Erlenmeyer synthesis, the δ -hydroxy analogues each ĊH>OH ĊH (CH3) ĊH2 of leucine and isoleucine via 1,4-Michael addition. The diastereomers can be separated chromatographically, ĊH2OH снэон the enantiomers by D- or L-amino acid oxidases. Tetrahedron, 45, 6135, (1989) A SYNTHESIS OF (-)-DEOXYPODOCARPIC ACID METHYL ESTER VIA AN ENZYMATIC ENANTIOSELECTIVE HYDROLYSIS OF THE KEY INTERMEDIATE ENOL ESTER TAKESHI SUGAI, HIDEAKI KAKEYA, HIROMICHI OHTA*, MITSUO MOROOKA and SHIGERU OHBA Department of Chemistry, Keio University, Hiyoshi 3-14-1, Kohoku-ku, Yokohama 223, Japan (-)-Deoxypodocarpic acid methyl ester 1 was synthesized from (R)-(+)-4. The chiral starting material was prepared by the enantioselective hydrolysis of the corresponding racemate using lipase OF from Candida cylindracea. O**≜**c OAc CO₂Et CO,Et + CO. Fr ١Ĥ Me0,c (.). 1 Tetrahedron, 45, 6145, (1989) UNDECAPRENTI, DIPHOSPHATE SYNTHASE REACTION WITH ARTIFICIAL SUBSTRATE HOMOLOGUES ----- NOVEL BEHAVIOR IN THE TERMINATION OF PRENYL CHAIN ELONGATION Shin-ichi Ohnuma, Michio Ito, Tanetoshi Koyama, and Kyozo Ogura Undecaprenyl-PP synthase reaction with the artificial substrate (1) showed a full stop at the stage where a single condensation of the C_6 -unit with an allylic diphosphate is completed to form a chiral prenyl diphosphate (2) having an extra methyl group at the 4-position. OPP + _____



Tetrahedron, 45, 6249, (1989)





