GRAPHICAL ABSTRACTS









Tetrahedron Lett.28,3589(1987) DIASTEREOSELECTIVE CONJUGATE ADDITION OF LITHIUM METHYLCYANOCUPRATE TO THE CHIRAL ISOPRENE UNITS 2-(R)- AND (S)-BENZYLOXY-2,5-DIHYDRO-4-FURANCARBOXALDEHYDE. TOTAL SYNTHESIS OF (-)- AND (+)-BOTRYODIPLODIN AND (+) - AND (-) - EPI-BOTRYODIPLODIN. Nicola Rehnberg, Torbjörn Frejd and Göran Magnusson^{*}, Organic Chemistry 2, Chemical Center, The Lund Institute of Technology, Box 124, S-22100 Lund, Sweden LiMeCNCu (-)-Botryodiplodin (S)-Aldehyde (+)--11-Tetrahedron Lett.28,3593(1987) A SYNTHETIC APPROACH TO 4-OXO AND 4-THIOXO AZETIDINONES FROM HETEROCUMULENES AND ESTER ENOLATES. A NOVEL SYNTHESIS OF 4-THIO-ACETOXY AZETIDIN-2-ONES. G.Cainelli^{*}, D.Giacomini, M.Panunzio^{*}, G.Martelli, G.Spunta. Dipartimento Chimico "G. Ciamician" Università-C.N.R. Via Selmi, 2- I -40126 BOLOGNA ITALY. Tetrahedron Lett.28,3597(1987) STEREOSELECTIVE SYNTHESIS OF (±)-METHYL NONACTATE AND (±)-METHYL 8-EPI NONACTATE. Barry Lygo* and Norval O'Connor Department of Chemistry and Applied Chemistry, University of Salford, Salford, M5 4WT, U.K. (±)-Methyl nonactate (1) and the corresponding 8-epi-isomer, both synthetic precursors to the antibiotic nonactin, have been synthesised. The key carbon-carbon bond-forming reaction involves condensation of a β -keto ester dianion with an epoxide, followed by dehydration, as illustrated above. Spongiolactone, an unusual β -lactone isovalerate Tetrahedron Lett.28,3601(1987) based on a new rearranged spongiane skeleton from Spongionella gracilis. L. Mayol, V. Piccialli and D. Sica. a. Dipartimento di Chimica delle Sostanze Naturali, Università di Napoli, Via L. Rodinò, 22, I-80138 NAPOLI (Italy); b. Dipartimento di Chimica Organica e Biologica, Università di Napoli, Via Mezzocannone, 16, I-80134 NAPOLI (Italy). 16 1' 2' 3' 4',5' 13 OCOCH2CH(CH3)2 Spongiolactone (1) was isolated from the sponge Spongionella gracilis and its stereostructure elucidated on the basis of chemical and physicochemical evidence 3527



