

Tetrahedron Lett.27,5923(1986) 4,14-DIVINYL-(E,E)-[4.4]PARACYCLOPHANE-1,11-DIENE. AN UNUSUAL PRODUCT FROM A 1,10-HOFMANN ELIMINATION Daniel T. Glatzhofer and Daniel T. Longone Department of Chemistry, The University of Michigan, Ann Arbor, M1 48109USA Isolation and characterization of title compound <u>1</u> from the cyclodimerization of quinodimethane species <u>2</u>. The UV spectrum of <u>1</u> is compared in terms of electronic and structural features with those of compounds  $\Im$  and 4. +\_\_\_O Tetrahedron Lett.27,5927(1986) MECHANISM OF THE ADDITION OF TRIBUTYLTIN IODOACETATE TO ALKENES M. Degueil-Castaing<sup>a</sup>, B. De Jeso<sup>a</sup>, G. A. Kraus<sup>b</sup>\*, K. Landgrebe<sup>b</sup>, B. Maillard<sup>a</sup>\* <sup>a</sup>Laboratoire de Chimie Organique du Silicium et de l'Etain, associe au CNRS, UA 35, Universite de Bordeaus I, F-33405, Talence Cedex, FRANCE Department of Chemistry, Iowa State University, Ames, Iowa, 50011, USA The mechanism is a two step process:  $\cdot CH_2 CO_2 SnBu_3 + =$ → RCHCH2CH2CO2SnBu3 homolytic addition to form a gammaiodo stannyl ester followed a fast ionic cyclization. ionic Tetrahedron Lett.27,5931(1986) TRIPHENYLCYCLOPROPENIDE ANION IN THE GAS PHASE John E. Bartmess,\* John Kester, Weston T. Borden\*. and Hans Günther Köser; Departments of Chemistry, Indiana University. Bloomington IN 47405; and Univ. of Washington, Seattle WA 98195 The gas phase acidity of triphenylcyclopropene is measured by ICR spectrometry. Dimethylphenylcyclopropenide anion rearranges under acid catalysis. SiMe<sub>3</sub> -- Ph R = Ph. Me Tetrahedron Lett. 27, 5935 (1986 FACILE SYNTHESIS OF D.L-PHOSPHINOTHRICIN FROM METHYL 4-BROMO-2-PHTHALIMIDOBUTYRATE E. W. Logusch Monsanto Agricultural Company, 800 N. Lindbergh Blvd., St. Louis, MO 63167 USA D,L-phosphinothricin, ACC and related compounds are readily prepared from title bromide 6. ноос CH,00C нο H,N NPhth NH. ACC 12 8 PHOSPHINOTHRICIN 1



Tetrahedron Lett.27,5955(1986 A NOVEL CHEMICAL TRANSFORMATION OF 3-VINYL-4-SUBST!-TUTED-2-AZETIDINONES Ajay K. Bose, Lalitha Krishnan, Dilip R. Wagle and Maghar S. Manhas Department of Chemistry and Chemical Engineering, Stevens Institute of Technology, Hoboken, N.J. 07030, USA. The action of PdCl<sub>2</sub>-CuCl-O<sub>2</sub> on the vinyl group of  $\alpha$ -vinyl- $\beta$ -lactams leads predominantly **COOMe** to terminal aldehydes instead of the expected methyl ketones. -R<sub>1</sub>  $\cdot \sim \overset{O}{\underset{C_1}{\overset{\text{NEt}_3}{\overset{\text{NEt}_3}{\overset{\text{NEt}_3}{\overset{\text{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}}{\overset{NR}_3}{\overset{NR}_3}}{\overset{NR}_3}{\overset{NR}_3}}{\overset{NR}_3}}{\overset{NR}_3}{\overset{NR}_3}}{\overset{NR}_3}{\overset{NR}_3}}{\overset{NR}_3}{\overset{NR}_3}}{\overset{NR}_3}}{\overset{NR}_3}{\overset{NR}_3}}{\overset{NR}_3}{\overset{NR}_3}{\overset{NR}_3}}{\overset{NR}_3}}{\overset{NR}_3}}{\overset{NR}_3}}{\overset{NR}_3}{\overset{NR}_3}}{\overset{NR}_3}}{\overset{NR}_3}{\overset{NR}_3}}{\overset{NR}$ HO~ CI Tetrahedron Lett.27,5959(1986) STUDIES DIRECTED TOWARDS THE SYNTHESIS OF TAXANE DITERPENES: A REMARKABLE REARRANGEMENT Jeffrey D. Winkler, John P. Hey, and Stephen D. Darling Department of Chemistry, The University of Chicago, Chicago, Illinois 60637 Fragmentation of the intramolecular dioxolenone photoadduct 9 leads not to 10, the desired taxane skeleton, but instead to 11. Tetrahedron Lett.27,5963(1986 ON THE PRODUCT DISTRIBUTION IN THE IODINATION OF PHENOL. Rita H. de Rossi\* and Alicia V. Veglia Dpto. de Química Orgánica, Facultad C. Químicas, U.N.C., Instituto de Investigaciones en Fisicoquímica de Córdoba (INFIQC), Suc. 16, C. C.61, 5016-CORDOBA/ARGENTINA. 0 B., H.O The o/p ratio increases at low pH and low buffer concentration. Tetrahedron Lett.27,5967(1986) METALLOPORPHYRIN-MEDIATED RADICAL CYCLOADDITIONS OF p-CYANO-N, N-DIMETHYLANILINE C. Michael Dicken, Fu-Lung Lu and Thomas C. Bruice Department of Chemistry, University of California, Santa Barbara, CA 93106 USA Iron(III)C2cap-porphyrin serves as a catalyst for the synthesis of disubstituted N-methyltetrahydroquinolines from alkenes and p-cyano-N,N-dimethylaniline-N-oxide. (Porph) Fe<sup>1V</sup>OH N-Me [Porph|Fe<sup>111</sup>]+ (Pornh) Fe<sup>11</sup>Ob (Porph)Fe<sup>1V</sup>OH





