

Tetrahedron Lett. 1993. 34, 7371 Synthesis of the Oxazole- and Diene-Containing Co-C23 Fragment of the Type A Streptogramin Antibiotics Mikael Bergdahl, Robert Hett, Timothy L, Friebe, Anthony R. Gangloff, Javed Iobal, Yinghui Wu and Paul Helouist* Department of Chemistry and Biochemistry, University of Notre Dame. Notre Dame. Indiana 46556 U.S.A. A key portion of the type A streptogramin antibiotics was synthesized in non-racemic form via a Horner-Streptogramin Wadsworth-Emmons reaction, asymmetric aldol Antibiotics condensation, and a zinc-promoted oxazole incorporation. BocHN ΛЦ Tetrahedron Lett. 1993, 34, 7375 MODIFIED CINCHONA ALKALOID LIGANDS: IMPROVED SELECTIVITIES IN THE OSMIUM TETROXIDE CATALYZED ASYMMETRIC DIHYDROXYLATION (AD) OF TERMINAL OLEFINS Mark P. Arrington, Youssef L. Bennani, Thomas Göbel, Patrick Walsh, Shu-Hai Zhao and K. Barry Sharnless* Denartment of Chemistry. The Scripps Research Institute OH 10666 N. Torrey Pines Road La Jolla, California 92037, USA OH AD $n-C_8H_{17}$ $n - C_{\circ}H_{17}$ Osmium tetroxide catalyzed asymmetric dihydroxylation of 1decene with modified cinchona alkaloid ligands gave 1.2-92% ee decene diol in up to 92% ee. Tetrahedron Lett. 1993, 34, 7379 **REGIOSELECTIVITY OF PHOTOCHEMICAL** ANNULATIONS OF CHROMIUM CARBENE COMPLEXES Craig A. Merlic,* and W. Michael Roberts Department of Chemistry and Biochemistry, University of California, Los Angeles, CA 90024-1569 Cr(CO)₅ High regioselectivity is found in OH hν photochemical benzannulation reactions OMo CO. PhMe of chromium biarylcarbene complexes. 800 Tetrahedron Lett. 1993, 34, 7383 TOTAL SYNTHESIS OF THE POLLEN-GROWTH INHIBITOR (-)-EMENIVEOL. ASSIGNMENT OF ABSOLUTE STEREOCHEMISTRY Ken'ichiro Shimokawa and Amos B. Smith. III* Department of Chemistry, Laboratory for Research on the Structure of Matter, and Monell Chemical Senses Center, University of Pennsylvania, Philadelphia, Pennsylvania 19104, U.S.A. The total synthesis of emeniveol (1), a pollen growth inhibitor, is described and its absolute stereochemistry was determined using (+)-Wieland-Miescher nμ (+)-Wioland-Mi (-)-Emeniveol (1) ketone as the starting material. 2 ketone (4)











Tetrahedron Lett. 1993, 34, 7459 THE SYNTHESIS OF UNUSUAL TETRAHYDROPYRIMIDINE AMINO ACIDS Raymond C F Jones * and Alan K Crockett (Chemistry Department, Nottingham University, Nottingham NG7 2RD, UK) Derivatives 1 of 2-(1-aminoalkyl)-4-carboxy-3,4,5,6-tetrahydropyrimidines, unusual amino acids isolated from bacterial siderophores, are synthesized from condensation of N-protected amino acid imidates or thioimidates with 2,4-diaminobutyrylglycine methyl ester. NR¹R² Y H __N__CO₂Me ZHN Tetrahedron Lett. 1993, 34, 7463 SYNTHESIS OF NOVEL N-(PRIMARY)ALKYLHYDROXAMIC ACIDS Lebert Grierson^{1*}, M. John Perkins² 1. Department of Chemistry, The University of the West Indies, St. Augustine, Trinidad. 2. Department of Chemistry, Brunel University, Uxbridge, Middlesex, England, UK. $RNH_2 + (PhCO_2)_2 \rightarrow RNHOCOPh \rightarrow RNHOCOPh \cdot HC1 \rightarrow RN \xrightarrow{OCOPh}_{COR} + RN \xrightarrow{OH}_{COR}$ (1)(5)(2)(3)Tetrahedron Lett. 1993, 34, 7465 SYNTHESIS AND COMPLEXATION PROPERTIES OF 3-**AROYLCOUMARIN CROWN ETHERS. A NEW CLASS OF** PHOTOACTIVE MACROCYCLES. Maria Teresa Alonso, Ernesto Brunet, Concepción Hernandez and Juan Carlos Rodríguez-Ubis.* Departamento de Química, C-I. Facultad de Ciencias. Universidad Autónoma de Madrid, 28049-Madrid, Spain Fax 34 1 397 3966 Synthesis of the title compounds $(n=0,1; R_1, R_2=H, OMe,$ NEt₂) is described. This macrocycles bore emission properties strongly dependent on metal ions and coumarin substitution and may be therefore used as cation dependent fluorescence signaling systems or triplet sensitizers for lanthanide luminescence. Tetrahedron Lett. 1993, 34, 7469 INTERMOLECULAR RADICAL DISPLACEMENT REACTIONS OF HETEROAROMATIC ARYL SULPHONES. S. Caddick* and S. Khan, Department of Chemistry, Birkbeck College, Gordon House, 29 Gordon Square, London WC1H OPP Heteroaromatic sulphones undergo intermolecular radical substitution with tri-n-butyltin hydride to provide heteroaromatic stannanes in good yield e.g. SO₂C₆H₄Me

7352



