## **GRAPHICAL ABSTRACTS**









Tetrahedron Lett.27,6087(1986) SYNTHETIC APPROACHES TO EUDISTOMINS. PART I SYNTHESIS OF 1-AMINO-3-THIAINDOLO(2,3-a)OUINOLIZIDINE. M. Nakagawa, J.J.Liu, K.Ogata, & T.Hino Faculty of Pharmaceutical Sciences, Chiba University, Yayoi-cho, Chiba-shi, 260, Japan Optically active thiaindologuinolizidine 2 was synthesized by rearrangement of B-carboline 1, whereas 3 gave 4. MOCŃ MeOC 1 2 ٦ 1 ö Tetrahedron Lett.27,6091(1986) PRACTICABLE SYNTHESIS OF (lR,4R)-5-(L-MENTHOXY)-2-AZABICYCL0[2.2.0]HEX-5-EN-3-ONE AND ITS DERIVATIVES: NEW BUILDING BLOCKS FOR CARBAPENEM NUCLEI Masayuki Sato,\* Nobuya Katagiri, Makoto Muto, Toru Haneda, and Chikara Kaneko\* Pharmaceutical Institute, Tohoku University, Aobayama, Sendai 980, Japan HO Enantioselective synthesis P0 of fused  $\beta$ -lactams (3 and соү hν 4), equivalents of 5, from 1 (P= $\bar{l}$ -menthy1) via photo-ŃН ŃΗ pyridone (2). 5(Y=H, R, н Δ OR) 3 2 1 Tetrahedron Lett.27,6095(1986) ANOMER-SPECIFICITY IN THE DEGRADATION REACTION OF D-GLUCOPYRANURONIC ACID TETRAACETATE LEADING TO COMANIC ACID IN THE ACETIC ANHYDRIDE-BASE SYSTEM Kiyohiko Tajima, The Noguchi Institute, Kaga 1-8-1, Itabashi-ku, Tokyo 173 Anomer-specific  $\beta$ -elimination was found in the second step of the degradation reaction of 1,2,3,4-tetra-0-acety1-D-glucopyranuronic acid leading to comanic acid in the acetic anhydride-base system. 0Ac 2nd. 8-elimination AcO AcO, .OAc 8-elimination anomer specific AcO COOAc step AcO CODAC AcO' 0 Tetrahedron Lett.27,6099(1986) NOVEL OXIDIZING PROPERTIES OF p-METHOXYBENZENETELLURINIC ACID ANHYDRIDE Nan Xing Hu, Yoshio Aso, Tetsuo Otsubo, and Fumio Ogura\* Department of Applied Chemistry, Faculty of Engineering, Hiroshima University, Saijo, Higashi-Hiroshima 724, Japan The title compound serves not only as a mild oxidizing agent but also as a selective catalyst for the hydration of terminal alkynes.  $n-C_{4}H_{9}C=C(CH_{2})_{3}C=CH \xrightarrow{(p-CH_{3}OC_{6}H_{4}TeO)_{2}O} n-C_{4}H_{9}C=C(CH_{2})_{3}COCH_{3}$ 



Tetrahedron Lett.27,6123(1986) BIS (BROMOMAGNESIO) TRIMETHYLSILYLMETHANE B.J.J. van de Heisteeg, G. Schat, M.A.G.M. Tinga, O.S. Akkerman and F. Bickelhaupt\* Scheikundig Laboratorium, Vrije Universiteit, Amsterdam, The Netherlands The title compound (1) is obtained from 2 in 70% yield by using diisopropyl ether as solvent; 1 reacts with Me<sub>3</sub>SnCl to give 6, with ketones to give 8.  $\approx$  Me<sub>2</sub>SiCH(SnMe<sub>3</sub>)<sub>2</sub> Me<sub>3</sub>SnCl  $Me_3SiCHBr_2 \xrightarrow{Mg/Hg} Me_3SiCH(MgBr)_2 =$ R<sub>2</sub>C=O → R<sub>2</sub>C=CHSiMe<sub>3</sub> 8 2 Tetrahedron Lett.27,6125(1986) CONFORMATION-SPECIFIC PHOTOCHEMISTRY IN ISOTROPIC LIQUID MEDIA : NORRISH TYPE II REACTIONS OF EPIMERIC 2- ACETYL-3, 3-DIMETHYLNORBORN ANES H R Sonawane<sup>\*</sup>, B S Nanjundiah, S I Rajput and M Udayakumar National Chemical Laboratory, Pune 411 008, India 1,4-Biradical conformational control on the photobehaviour of epimeric ketones 1 and 2. Tetrahedroh Lett.27,6129(1986) ARENEDIAZONIUM TETRAFLUOROBORATES AS INITIATORS IN THE POLYMERISATION OF HALOARENETHIOLATES. A SIMPLE AND MILD ACCESS TO POLY(ARYLENE SULFIDE)S. Marino Novi,<sup>a,\*</sup> Giovanni Petrillo,<sup>a</sup> and Maria Luisa Sartirana.<sup>b</sup> aIstituto di Chimica Organica dell'Università,C.N.R. Centro di Studio sui Diariloidi e loro Applicazioni, Corso Europa 26, 16132 Genova, Italy. <sup>b</sup>Istituto di Chimica Industriale dell'Università, Corso Europa 30, 16132 Genova, Italy.  $4-XC_{6}H_{2}^{H} + 4-BrC_{6}H_{3}^{F} - \frac{DMS0}{r.t.} \rightarrow 4-XC_{6}H_{4}^{F}$ Diazonium cations in catalytic amounts act as initiators of a radical, radical-anion chain X = H, Br process. STUDIES ON THE SYNTHESIS OF Tetrahedron Lett.27,6133(1986) GLOEOSPORONE - SYNTHESIS OF THE PROPOSED 2,8-DISUBSTITUTED OXOCANE STRUCTURE Robert W. Carling and Andrew B. Holmes University Chemical Laboratory, Lensfield Road, CAMBRIDGE CB2 1EW, U.K.

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