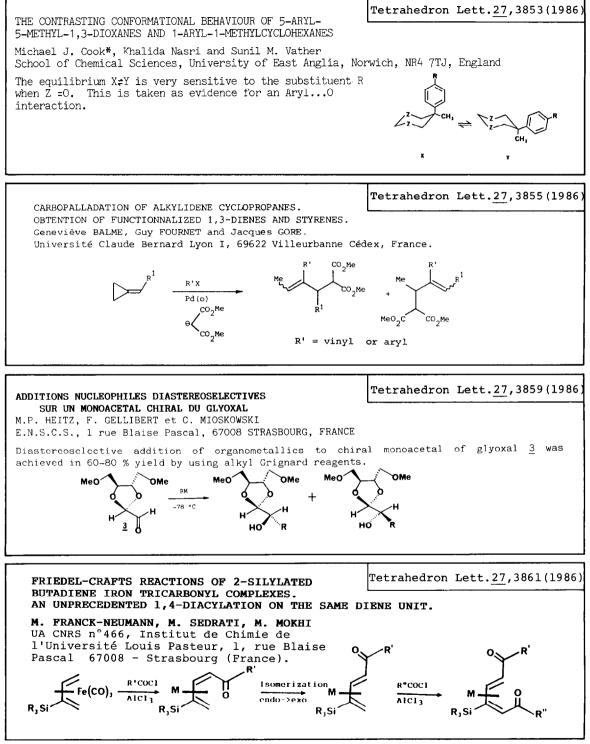


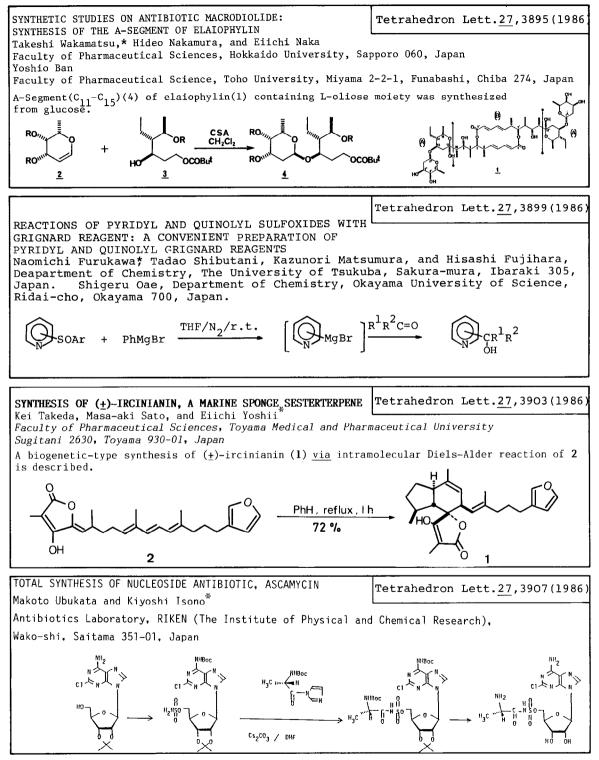
Tetrahedron Lett. 27, 3839 (1986 ALKYLATION STEREOCHEMISTRY OF GLYCINATES DOUBLE CHIRAL INDUCTION WITH SECONDARY HALIDES. John M. McIntosh\* and Randy K. Leavitt, University of Windsor, Windsor, Canada, N9B 3P4 R' соо<sup>т</sup>ви LDA С00<sup>t</sup> ви Some secondary allylic or benzylic halides afford only 2 diastereomers (ratio9:1). Tetrahedron Lett.27,3843(1986) A NEW ROUTE TO IODINE-LABELED N-ISOPROPYL IODOAMPHETAMINE VIA ORGANOBORANES, George W. Kabalka\*, Rajender S. Varma, Yuan-Zhu Gai and Ronald M. Baldwin#; Department of Chemistry and Department of Radiology, University of Tennessee, Knoxville, TN 37996; #Medi+Physics Corp., Emeryville, CA 94608 USA Ultrasonic agitation provided ready access to arylboronic acid, II, which was converted to amphetamine, III. 123 (HO) B Br II III I Tetrahedron Lett.27,3845(1986) CHARACTERIZATION OF THE ACTUAL CATALYTIC AGENT IN POTASSIUM FLUORIDE ON ACTIVIATED ALUMINA SYSTEMS Leonard M. Weinstock , James M. Stevenson Sterling A. Tomellini , Shih-Hsie Pan, Torleif Utne, Ronald B. Jobson and Donald F. Reinhold Merck Sharp and Dohme Research Laboratories, P.O. Box 2000, Rahway, N.J. 07065 The unusually high basic reactivity of potassium fluoride on activated alumina is due to the reaction of fluoride ion with alumina to produce  $K_3AlF_6$  and KOH.  $12JF + A1_20_3 + 3H_20 \longrightarrow 2K_3A1F_6 + 6K0H$ COMPORTEMENT DES ALLYLBENZENES CHROMETRICARBONYLE Tetrahedron Lett.27,3849(1986) EN MILIEU BASIQUE D. GENTRIC, J-Y. LE BIHAN, M-C. SENECHAL-TOCQUER, D. SENECHAL et B. CARO PhCHO EPhCr(CO), Les anions allyliques issus de l'allybenzène et de deux de ses dérivés naturels, réagissent avec divers composés carbonylés uniquement en position  $\gamma$  . L'estragole chrometricarbonyle (X = OMe), opposé au furfural et au benzaldéhyde donne une forte proportion de cétone, formée "in situ" par oxydation d'Oppenauer.

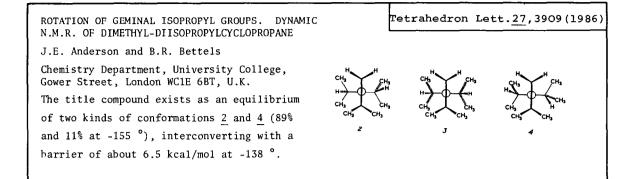


Tetrahedron Lett.27,3865(1986) A NEW PYRIDINE SYNTHESIS STARTING FROM α, β-UNSATURATED CARBONYL COMPOUNDS. K. Konno, K. Hashimoto, H. Shirahama and T. Matsumoto Department of Chemistry, Faculty of Science, Hokkaido University, Sapporo 060, Japan A new and mild synthetic method of substituted pyridines from  $\alpha$ ,  $\beta$ -unsaturated carbonyl compounds is described. Tetrahedron Lett.27,3869(1986) ELECTROLYTIC TRANSFORMATION OF FUNCTIONAL GROUPS OF FLUOROORGANIC COMPOUNDS. I. ANODIC METHOXYLATION AND ACETOXYLATION OF TRIFLUOROETHYL SULFIDE Toshio Fuchigami,\* Yuuki Nakagawa, and Tustomu Nonaka Department of Electronic Chemistry, Tokyo Institute of Technology, Nagatsuta, Midori-ku, Yokohama 227, Japan Anodic methoxylation and acetoxylation of trifluoroethyl sulfide (1) and their synthetic utilization as builiding blocks. ArNHNH<sub>2</sub> • CF<sub>3</sub>CH=NNHAr CF3CH2SPh CF<sub>3</sub>CHSPh \_\_\_\_\_2RLi OY (Y=Me, Ac) RCHCOOH (1)Tetrahedron Lett.27,3873(1986) HAPTOTROPIC REARRANGEMENT OF TRICARBONYL (2-ACYL-OXYTROPONE) IRON Noboru Morita, Toyonobu Asao, Akio Tajiri, $^{\dagger}$ Hideo Sotokawa, $^{\dagger}$  and Masahiro Hatano Department of Chemistry, College of General Education, and  ${}^{ op}$ Chemical Research Institute of Non-aqueous Solutions, Tohoku University, Sendai 980 Japan 1,3-Haptotropic rearrangement between 2 and 3 was clarified by using their Fe; 1,3-shift optically active complexes. (C0)3Fe Fe(CO)3 2(S) <u>3(R)</u> Tetrahedron Lett.27,3877(1986) PHOTOCHEMICAL OXIDATIVE C&-C& BOND CLEAVAGE OF TRYPTOPHAN SIDE-CHAIN BY PYRIMIDO [5,4-g] PTERIDINE N-OXIDE Magoichi Sako, Kaoru Shimada, Kosaku Hirota, and Yoshifumi Maki, Gifu Pharmaceutical University, 6-1, Mitahora-higashi 5 Chome, Gifu 502, Japan COR3 n hσ CHO COR2 R R 3 JBu Photolysis of 1 in the presence of 2 resulted in the regioselective cleavage of the side-chain to give 3 and 4.

$$\label{eq:palladium-Catalyzed STEREOCONTROLLED Tetrahedron Lett.27,3881(1966) CYCLIZATION OF 1,3-DIENE MONOGPOXIDE: A ROUTE TO A NEW SYMPLETIC INTERMEDIATE FOR DE-AB-CHOLESSTANE DERIVATIVE. Takahasiri Kasahairo Miyazawa, Hirozaki Ueno and Jiro Tsuji Tokyo Institute of Technology, Meguro, Tokyo 152, JARAN. How of technology, Meguro, Tokyo 152, JARAN. Histokara, Histokara, Histokara, Histokara, Katala, Histokara, Katala, Histokara, Histokar$$

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Tetrahedron Lett.27,3911(1986)

Fetrahedron Lett.27,3913(1986)

## THIOCARBONYL TO CARBONYL GROUP TRANSFORMATION USING CUCI AND NaOH

N. Narasimhamurthy and A.G. Samuelson<sup>\*</sup> Department of Inorganic and Physical Chemistry Indian Institute of Science, Bangalore 560012, India

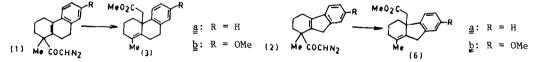
A wide variety of thio compounds can be very rapidly converted to the corresponding oxo compounds through the formation of a copper complex.

$$C=S \xrightarrow{i. Cu^+} C=O$$
  
ii. OH

A NOVEL SYNTHETIC METHOD FOR ANGULARLY FUNCTIONALIZED POLY-CYCLIC SYSTEMS BY VINYLOGOUS WOLFF REARRANGEMENT OF  $\beta$ ,  $\gamma$ -UNSATURATED DIAZOKETONES

B. Saha, G. Bhattacharjee, and U.R. Ghatak\*, Department of Organic Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Calcutta - 700 032, India.

Decompositions of the rigid polycyclic  $\beta, \gamma$ -unsaturated diazomethyl ketones ( $\underline{1}\underline{a}$  and  $\underline{b}$ ) and ( $\underline{2}\underline{a}$  and  $\underline{b}$ ) promoted by Cu(acac)<sub>2</sub>, Cu(OTf)<sub>2</sub>, Ni(acac)<sub>2</sub> or silver benzoate-triethylamine in the presence of methanol are shown to give the respective rearranged  $\gamma, \delta$ -unsaturated angularly substituted esters ( $\underline{3}\underline{a}$  and  $\underline{b}$ ) and ( $\underline{6}\underline{a}$  and  $\underline{b}$ ) along with other products.



1,3-Oxazoles as Dienophiles in Diels-Alder Reactions

Tetrahedron Lett.<u>27</u>,3915(1986)

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