## **GRAPHICAL ABSTRACTS**













Tetrahedron Lett.27,4905(1986) HOMOLYTIC DISPLACEMENT AT CARBON: FIRST EXAMPLE OF a ATTACK IN THE ALLENYL AND PROPARGYL COBALCXIMES B.D. Gupta and Sujit Roy, Deptt. of Chemistry, I.I.T., Kanpur, India. Allenyl and propargyl sulphones are formed by regiospecific attack of  $RSO_2$  on the  $\alpha$  carbon bound to cobalt in <u>1</u> and <u>6</u>.  $CH_{2}=C=CH_{C}O^{III}(dmgH)_{2}Py(\underline{1}) + RSO_{2}CI - \frac{h\nu}{L} CH_{2}=C=CH_{S}O_{2}R + CICO^{III}(dmgH)_{2}Py$  $CH \equiv C - CH_2 - Co^{III} (dmgH)_2 Py (\underline{6}) + RSD_2 C1 - \underline{h\nu} CH \equiv C - CH_2 - SD_2 R + CICo^{III} (dmgH)_2 Py (\underline{6}) + RSD_2 C1 - \underline{h\nu} CH \equiv C - CH_2 - SD_2 R + CICo^{III} (dmgH)_2 Py (\underline{6}) + RSD_2 C1 - \underline{h\nu} CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + RSD_2 C1 - \underline{h\nu} CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + RSD_2 C1 - \underline{h\nu} CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{IIII} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH \equiv C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH = C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH = C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH = C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH = C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH = C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH = C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH = C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH = C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH = C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH = C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH = C - CH_2 - SD_2 R + CICO^{III} (dmgH)_2 Py (\underline{6}) + CH = C - CH_2 - CH = C - CH_2 + CH = C -$ Tetrahedron Lett.27,4909(1986) APPLICATION OF THE CARBONYL EPOXIDE REARRANGEMENT TO THE FORMATION OF DIOXABICYCLOALKANES AND ALKENES. SYNTHESIS OF THE MUS MUSCULUS PHEROMONE. Harry H. Wasserman, Steven Wolff and Teruo Oku Department of Chemistry, Yale University, New Haven, CT 06511 USA Acid-catalyzed intramolecular opening of (CH2) epoxides by carbonyl groups provides a general stereocontrolled method for forming dioxabicyclo systems, including the (+)-Mus musculus pheromone and products corresponding to certain insect pheromones. Tetrahedron Lett.27,4913(1986) THE CARBONYL EPOXIDE REARRANGEMENT. A CHIRAL SYNTHESIS OF THE MUS MUSCULUS PHEROMONE. Harry H. Wasserman\* and Teruo Oku Department of Chemistry, Yale University, New Haven, CT 06511 USA The carbonyl-epoxide rearrangement has been applied to an efficient synthesis of both enantiomers corresponding to the Mus musculus pheromone. Tetrahedron Lett. 27, 4917 (1986) ON THE STRUCTURE OF -METALLO BENZYLSELENIDES M. Clarembeau and A. Krief Laboratoire de Chimie Organique Facultés Universitaires Notre-Dame de la Paix, 61, rue de Bruxelles B-5000 NAMUR (Belgium) Decreasing electron attracting ability of the para substituent X leads to an upfield shift of the <sup>77</sup>Se signal of para substituted benzylselenides. Reverse results are however observed when the measurements are performed on the corresponding para substituted metallo benzylselenides. M = H; M = Li or K; X = CN, C1, H, Me, OMe

