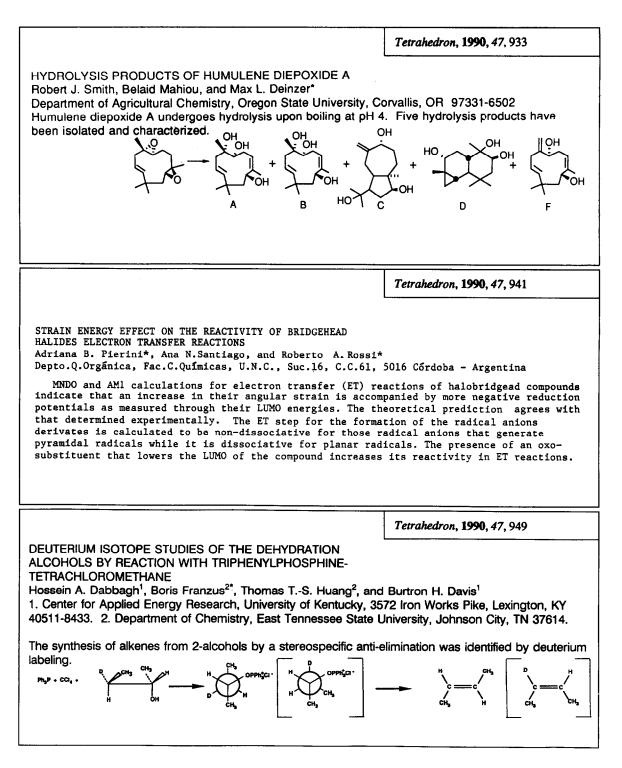
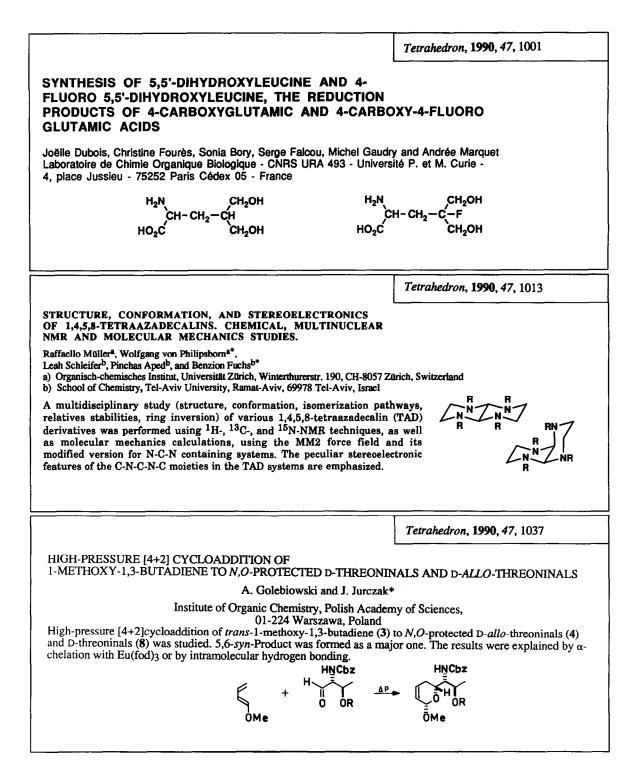
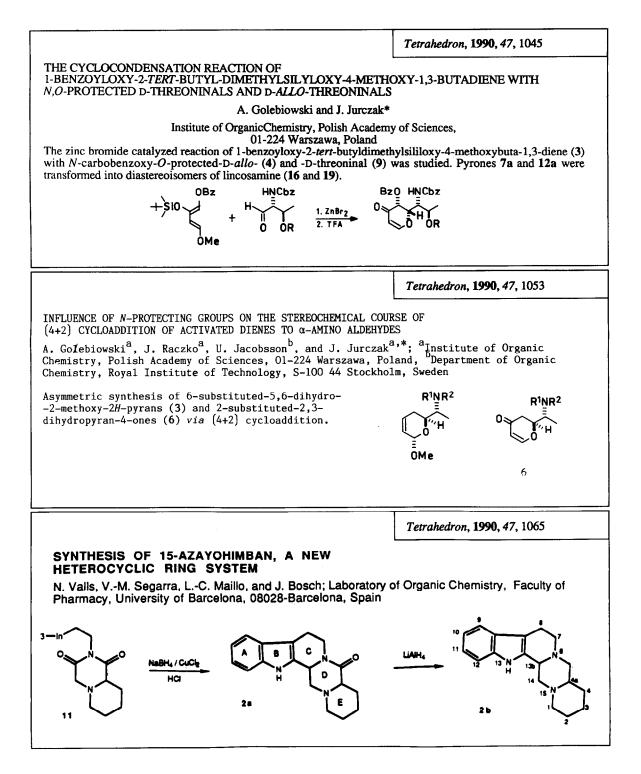
GRAPHICAL ABSTRACTS



Tetrahedron, 1990, 47, 961 ENDO-TRICYCLO[6.2.1.0^{2,7}]UNDEC-9-ENE-3,6-DIONE: A VERSATILE SYNTHETIC INTERMEDIATE Alan P. Marchand* and Teng-Ko Ngooi Department of Chemistry, University of North Texas 1. 0₃, -78 °C Denton, Texas 76203-5068 workup William H. Watson^{*} and Ram P. Kashyap Department of Chemistry, Texas Christian University Fort Worth, Texas 76129 Low-temperature ozonolyses of acetone, methylene chloride, or methylene chloride-methanol solutions of the title compound (1) were studied. Tetrahedron, 1990, 47, 975 ACYLKETENE ACETALS IN ORGANIC SYNTHESIS. Clark N. Eid, Jr. and Joseph P. Konopelski* Department of Chemistry and Biochemistry, University of California, Santa Cruz, CA 95064 The preparation and reactivity of achiral and enantiomerically pure acylketene acetals are described. An approach to the insect pheromone sitophilure is presented. ⇒ 、 🕯 sitophilure Tetrahedron, 1990, 47, 993 WITTIG-HORNER REACTION BETWEEN PHOSPHONATES AND β-SUBSTITUTED CYCLOHEXENONES Serge Géribaldi* and Michel Rouillard Laboratoire de Chimie Physique Organique, Université de Nice - Sophia Antipolis, Parc Valrose, 06034 Nice Cedex, France Synthesis of $\alpha,\beta-\gamma,\delta$ -unsaturated nitriles 3 via the Wittig-Horner reaction of β -substituted cyclohex-2-en-1-ones 1 with diethyl cyanomethyl phosphonate 2 : C N $a = OC_2H_5$ $\mathbf{d} = \mathbf{C_6}\mathbf{H_5}$ $g = SC_2H_5$ (E10)2P(0)CH2CN 2 b = H e = Cl $h = CH_2C_6H_5$ $c = CH_1$ f = Br $i = p - NO_2 C_6 H_4$





Tetrahedron, 1990, 47, 1075

SPECTROSCOPIC AND ENZYMATIC CHARACTERIZATION OF 2'-5' AND 3'-5' RNA HEXAMERS AACCUU SYNTHE~ SISED BY PHOSPHOTRIESTER APPROACH IN SOLUTION USING 2'-TBDMS PROTECTION V.Gopalakrishnan, K.N.Ganesh, A.Gunjal, S.M.Likhite Division of Organic Chemistry-I, National Chemical Laboratory, Pune-8, INDIA

 1 H, 31 P NMR and CD spectroscopic studies of titled RNA compounds and an isomeric covalent hybrid indicates conformational differences among these, arising due to different nature of phosphodiester linkages. The compounds, synthesised by solution phase phosphotriester chemistry and 2'-TBDMS protecting group, were shown to be isomerically pure by their specificities towards digestion with the enzyme pancreatic ribonuclease.

