

Graphical Abstracts

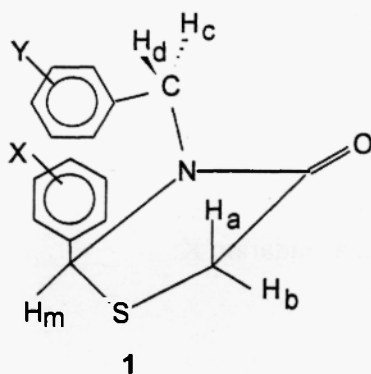
Heterocycl. Commun. 6 (2000) 105-111

SUBSTITUENT EFFECTS FOR SOME SUBSTITUTED 3-BENZYL-2-PHENYL-1,3-THIAZOLIDIN-4-ONES USING ^1H AND ^{13}C NMR

John Tierney*, Douglas Sheridan and Kathy Kovalesky, Department of Chemistry, Pennsylvania State University, Delaware County Campus, Media, Pennsylvania, 19063, USA.

Linda M. Mascavage, Kimberly Schneider and Carrie Sheely, Department of Chemistry and Physics, Beaver College, Glenside, Pennsylvania, 19038, USA

Substituent effects from the phenyl rings on the labeled protons and ^{13}C atoms in the 1,3-thiazolidin-4-one ring were studied using Hammett σ substituent constants.



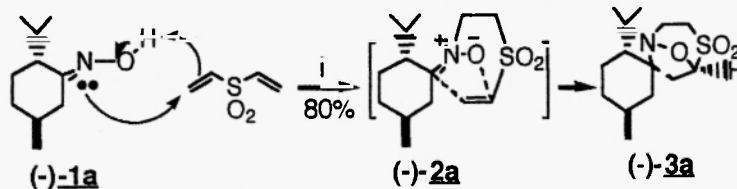
Series 1		Series 2	
X	Y	X	Y
4-F	H	H	4-Cl
4-Cl	H	H	4-Me
4-F	H	H	4-MeO
4-Br	H		
4-I	H		
H	H		
4-Me	H		
4-MeO	H		

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DIASTEREOSSELECTIVE SYNTHESIS OF BRIDGEHEAD HETEROBICYCLIC SPIRO COMPOUNDS DERIVED FROM TANDEM MICHAEL INTRAMOLECULAR 1,3-DIPOLAR CYCLOADDITION OF NITRONES

Md. Jashim Uddin^a, Tetsuya Fujimoto^a, Akikazu Kakehi^b, Hirofusa Shirai^a, Iwao Yamamoto^{a*}

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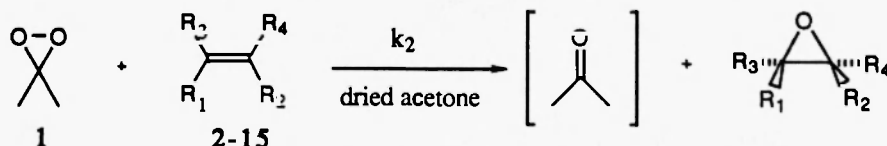
The reaction of cyclic oximes with divinyl sulfone afforded bridgehead heterobicyclic spiro compounds in good yields.

EPOXIDATION OF ALIPHATIC ALKENES BY DIMETHYLDIOXIRANE: STERIC EFFECTS

Elba Michelena-Baez, Angela M. Navarro-Eisenstein, Harold D. Banks, Pedro C. Vasquez and A.L. Baumstark*

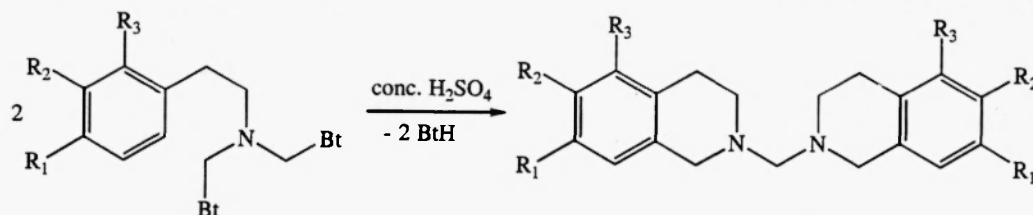
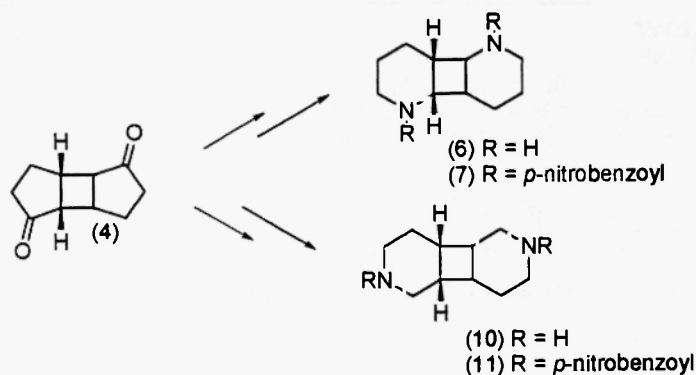
Department of Chemistry, Center of Biotechnology and Drug Design, Georgia State University, Atlanta, Georgia 30303-3083 and U.S. Army Edgewood Biological Center, APG, MD 21010-5424, USA

Kinetic data for epoxidation of three series of aliphatic alkenes by dimethyldioxirane in dried acetone showed the reaction to be sensitive to steric effects, consistent with the current spiro transition state model.

**SYNTHESIS OF SOME BIS(*N*-1,2,3,4-TETRA-HYDROISOQUINOLINYL)METHANES USING BENZOTRIAZOLE AS AUXILIARY**

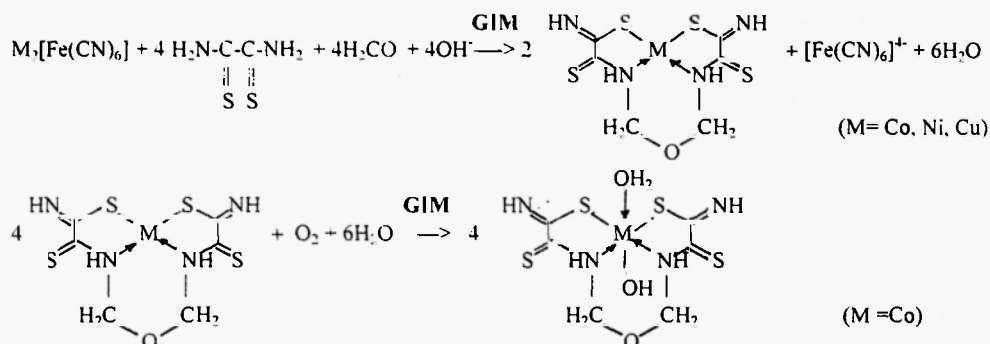
Cornelia Locher

Faculty of Science, Information Technology and Education, School of Biological, Environmental and Chemical Sciences, Northern Territory University, Darwin N.T. 0909, Australia.

**Synthetic approaches to diazabiphenylenes:
Synthesis of the carbon-nitrogen skeleton
Of 1,5- and 2,6-diazabiphenylene.**V. Rogers, S. Mendonca, T. W. Packham, and M. J. Davies*
School of Chemical and Life Sciences
University of Greenwich, Wellington Street, London SE18 6PF, UK

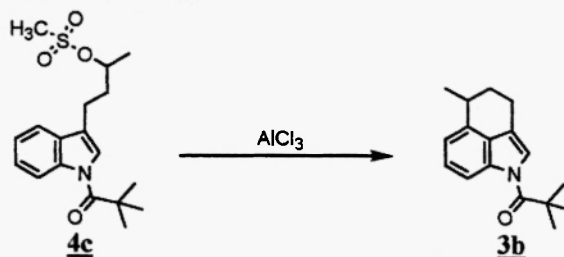
TEMPLATE SYNTHESIS OF COBALT(II,III), NICKEL(II) AND COPPER(II) MACROCYCLIC COMPOUNDS WITH 2,8-DITHIO-3,7-DIAZA-5-OXANONAN-DITHIOAMIDE-1,9 IN GELATIN-IMMOBILIZED MATRIX

Oleg V. Mikhailov, Albina I. Khamitova and Vladimir I. Morozov
Kazan State Technological University, K. Marx Street 68, 420015 Kazan, Russia



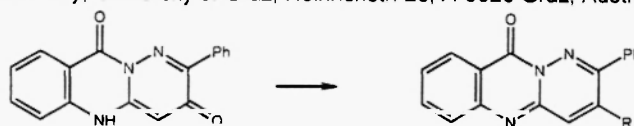
BIOMIMETIC INTRAMOLECULAR CYCLIZATION OF 1-TRIMETHYLACETYL-3-(3-METHANESULFONXYBUTYL) INDOLE AT THE 4-POSITION OF INDOLE NUCLEUS

Nobumitsu Tajima, Yoshihiko Shinoda and Shin-ichi Nakatsuka*
United Graduate School of Agricultural Science, Gifu University, 1-1 Yanagido, Gifu 501-1193, Japan
1-Trimethylacetyl indole derivative **4c** was regioselectively cyclized in 54% yield at the 4-position of indole nucleus to afford dihydrobenz[c,d]indole **3b**.



SYNTHESIS OF A NEW TRICYCLIC HETEROAROMATIC RING SYSTEM: PYRIDAZO[3,2-b]QUINAZOLINE

Dorottya Csányi^a, György Hajós^{a*}, Zsuzsanna Riedl^a, Orsolya Egyed^a, Carlos Kos^b and Thomas Kappe^{b,a}
^aInstitute of Chemistry, Chemical Research Center, Hungarian Academy of Sciences, H-1525 Budapest, POBox 17, Hungary;
^bInstitute of Organic Chemistry, University of Graz, Heinrichstr. 28, A-8020 Graz, Austria.



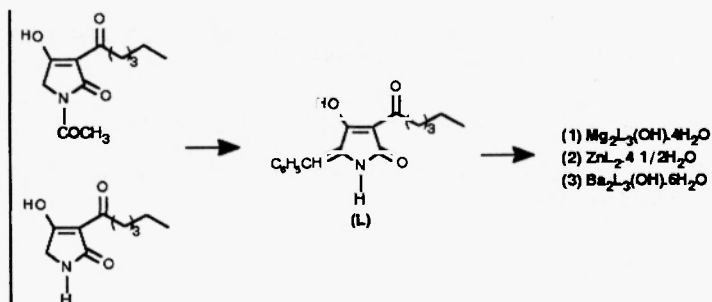
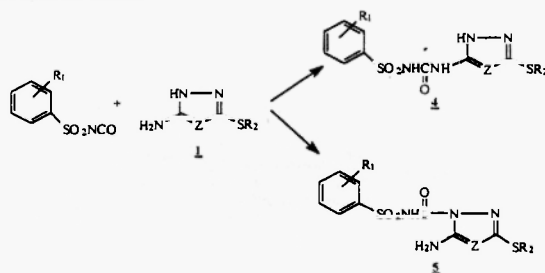
Synthesis of a new tricyclic heteroaromatic system and its functionalisation have been reported

A NEW SYNTHESIS OF 3,4,5-TRIHYDROAZEPINO[2,3-b]INDOLES

R. Balamurali and K. J. Rajendra Prasad, Department of Chemistry, Bharathiar University, Coimbatore - 641 046, INDIA

**Complexation and Spectroscopic Studies of 5-Benzylidene-3-hexanoyl tetramic acid with Magnesium (II), Zinc(II) and Barium (II) ions.**

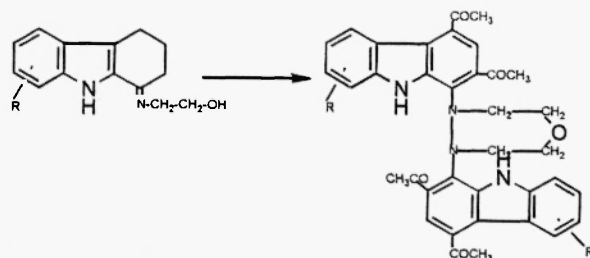
Margarita Petroliagi, Olga Igglessi-Markopoulou and John Markopoulos.

**REGIOSELECTIVE ADDITION OF 5-AMINO-1,2,4-TRIAZOLES AND ITS ANALOGUES WITH ARYLSULFONYL ISOCYANATES**Guangfu Yang^{a,*} and Huazheng Yang^b^aInstitute of Organic Synthesis, Central China Normal University, Wuhan 430079, P. R. China; ^bInstitute of Elemento-Organic Chemistry, Nankai University, Tianjin 300071, P. R. China

A FREE RADICAL INITIATED DIMERISATION IN THE SYNTHESIS OF 4,5-BIS(2,4-DIACETYLCABAZOL-1-YL) 1,4,5-OXDIAZEPANES

Kandasamy Shanmugasundaram and Karnam J. Rajendra Prasad*

Department of Chemistry, Bharathiar University, Coimbarore - 641 046, INDIA

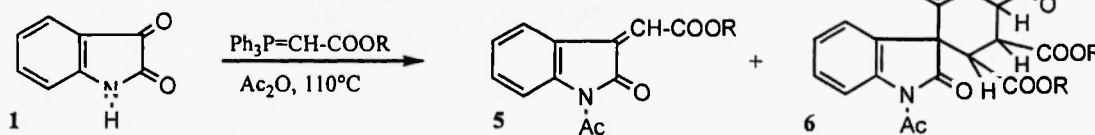


THE REACTION OF ISATIN WITH ALKOXYCARBONYLMETHYLENE(TRIPHENYL)-PHOSPHORANES IN ACETIC ANHYDRIDE

Fayez H. Osman* and Fatma A. El-Samahy

Department of Pesticide Chemistry, National Research Centre, Dokki, Cairo 12622, Egypt

Isatin (1) reacts with methylenephosphoranes in acetic anhydride at 110°C to give N-acetyl derivatives 5 with unexpected products 6.



ONE POT SYNTHESIS OF FLUORINE CONTAINING DIASTEREOISOMERIC SPIRO [3H-INDOL-3,2'-OXIRAN]-2(1H)-ONES AND THEIR CONVERSION TO 5a,10b-DIHYDRO-5H, 6H-INDOLO [2,3-b] QUINOLIN-11-ONES.

ANSHU DANDIA*, HARSHITA SACHDEVA (nee' TANEJA), NIDHAL AHMED and KRISHNA C. JOSHI

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