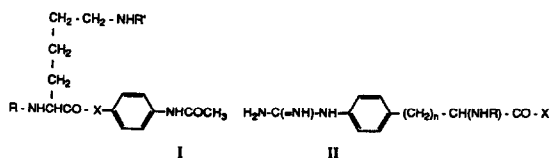


GRAPHICAL ABSTRACTS

Tetrahedron, 1991, 47, 8831

4-ACETAMIDOPHENYL ESTERS AND 4-ACETAMIDOANILIDES OF L-ARGININE, *p*-GUANIDINO-L-PHENYLALANINE, L-LYSINE, N²-D-FRUCTOS-3-O-YL AND D-GLUCOS-3-O-YL]ACETYL-L-LYSINE AS POTENTIAL ACROSIN INHIBITORS

R.A. Chrusciel and L. Bauer*,
Univ. Illinois at Chicago, Chicago IL 60680
J.M. Kaminski and L.J.D. Zaneveld, Rush Presbyterian
Medical Ctr 1653 W. Congress Parkway, Chicago IL 60612



Syntheses of the title compounds represented by general structures I and II are reported.

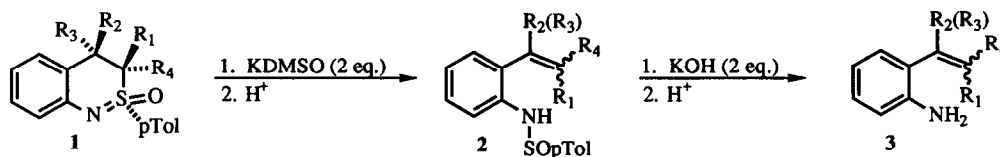
Tetrahedron, 1991, 47, 8855

THE CONVERSION OF BENTHIAZINES TO 2-ALKENYL ANILINES

Michael Harmata* and Barry F. Herron

Department of Chemistry, University of Missouri-Columbia, Columbia, Missouri 65211

Treatment of certain 2,1-benzothiazines with potassium dimsylate in DMSO followed by base hydrolysis leads to 2-alkenyl anilines in good to excellent yield. The elimination apparently occurs through an E1cb mechanism.



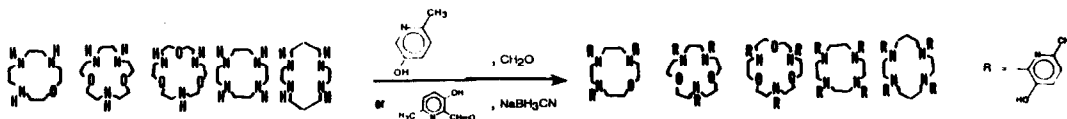
Tetrahedron, 1991, 47, 8863

SYNTHESIS OF NEW MULTIDENTATE LIGANDS FOR THE COORDINATION OF INDIUM(III), GADOLINIUM(III) AND THORIUM(IV)

Yizhen Sun, Arthur E. Martell*, Department of Chemistry, Texas A&M University, College Station, TX 77843-3255, USA and

Michael J. Welch, The Edward Mallinckrodt Institute of Radiology, Washington Univ. School of Medicine, St. Louis, MO 63110, USA.

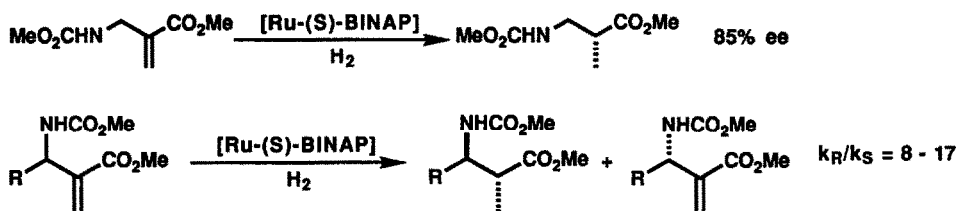
The following ligands were synthesized by Mannich reaction or reductive amination:



Carbamate-Directed Stereoselective Hydrogenation and Kinetic Resolution of *N*-Protected α -(α -aminoalkyl)acrylates

Masatoshi Takagi and Keiji Yamamoto*

Tokyo Institute of Technology, Ookayama, Meguro, Tokyo 152, Japan

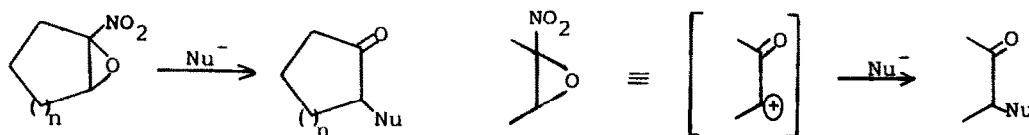


CHEMISTRY OF α -NITROEPOXIDES : SYNTHESIS OF USEFUL INTERMEDIATES VIA NUCLEOPHILIC RING OPENING OF α -NITROEPOXIDES

Yashwant D. Vankar*, Kavita Shah, Anita Bawa and Surendra P. Singh

Department of Chemistry, Indian Institute of Technology, Kanpur 208016, INDIA

Two α -nitroepoxides are reacted with a variety of nucleophiles to obtain useful α -substituted ketones, thus, making them as α -keto carbocation equivalents.

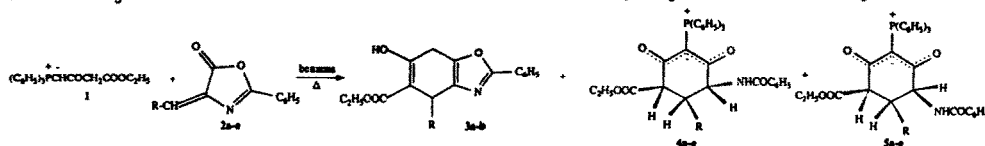


Nu: Nucleophile

5-OXAZOLONES. PART V. REACTION OF 4-ALKYLIDENE-5(4H)-OXAZOLONES WITH ETHYL 3-OXO-4-TRIPHENYLPHOSPHORANYLIDENE-BUTYRATE.

F. Clerici, E. Folpini, M. L. Gelmi, and D. Pocar; Istituto di Chimica Organica Facoltà di Farmacia dell'Università, Via Venezian 21, 20133 Milano (Italy).

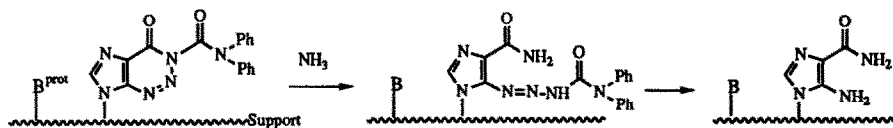
Reaction of 5(4H)-oxazolones **2** and ethyl 3-oxo-4-triphenylphosphoranylidene-butyrates **1** affords dihydrobenzoxazoles **3** and diastereoisomeric 1,3-cyclohexadienone ylides **4** and **5**.



PREPARATION OF OLIGONUCLEOTIDES CONTAINING dAICA
USING AN UNEXPECTED SIDE-REACTION OBSERVED ON A
PROTECTED DERIVATIVE OF 2-AZA-2'-DEOXYINOSINE.

D. Fernández-Forner¹, R. Eritja^{*2}, F. Bardella¹, C. Ruiz-Perez¹, X. Solans¹,
E. Giralt¹ and E. Pedrosa^{*1}.

¹ Universitat de Barcelona (Spain) and ² CID-CSIC (Spain).



ISOLATION, STRUCTURE AND SYNTHESIS OF NEW DIARYL BUTANE LIGNANS FROM
PHYLLANTHUS NIRURI : SYNTHESIS OF 5'-DESMETHOXY NIRANTHIN AND AN
ANTITUMOUR EXTRACTIVE

Panchagnula Satyanarayana^{*} and Somepalli Venkateswarlu, Department of Organic Chemistry,
School of Chemistry, Andhra University, Visakhapatnam-530 003, India.

Four new diaryl butane lignans (1-4)
were isolated from phyllanthus niruri
and the structures were confirmed by
their total synthesis. 1 & 2 from
veratrylidene piperonylidene succinic
acid, 3 from veratrylidene 3,4,5-
trimethoxy benzylidene succinic acid
and 4 by its conversion to 3.

