

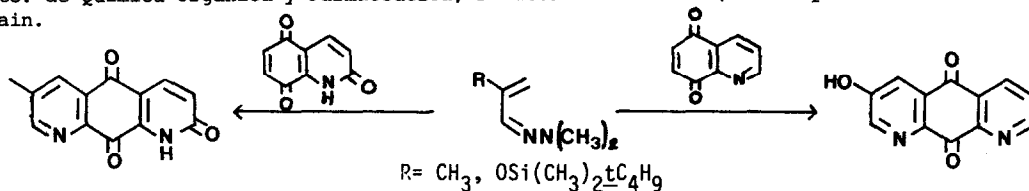
GRAPHICAL ABSTRACTS

Tetrahedron, **45**, 4477, (1989)

**SYNTHESIS OF DIAZA-ANTHRAQUINONES BY HETERO DIELS-ALDER
CYCLOADDITION REACTIONS.**

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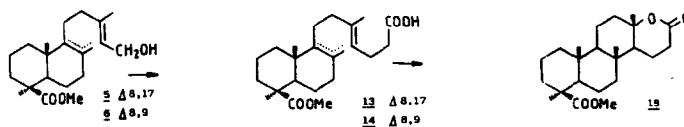
Tetrahedron, **45**, 4497, (1989)

**PREPARATION OF 4 α ,8 β -DIMETHYL-4 β -METHOXYCARBONYL-17 α -OXA-D-HOMO-
ANDROSTAN-17-ONE**

F. Bermejo Gonzalez, M. Bordell Martín, A. Fernández Mateos* and R. Rubio González

Dpto. Química Orgánica. Fac. Ciencias Químicas. Plaza de los Caídos 1-5. 37008 Salamanca. Spain.

The synthesis of the title compound from methyl isocupressate **5** and its $\Delta^{8,9}$ isomer **6** via the olefinic acids **13** and **14** is described

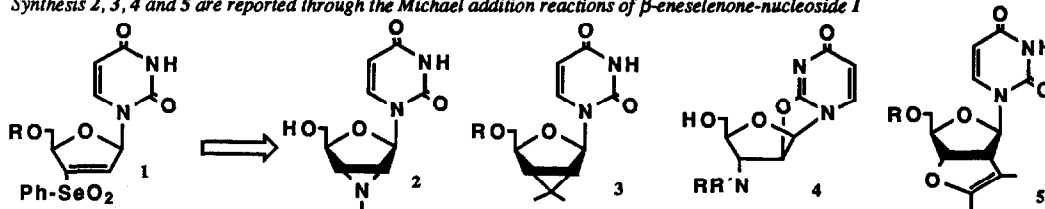


Tetrahedron, **45**, 4507, (1989)

**MICHAEL ADDITION REACTIONS OF α , β -ENE-3'-PHENYLSELENONE OF
URIDINE. NEW SYNTHESIS OF 2',3'-DIDEOXY-*ribo*-AZIRIDINO-, 2',3'-DIDEOXY-2'-3'-*ribo*-CYCLOPROPYL-
& 2,2'-O-ANHYDRO-3'-DEOXY-3'-AMINO URIDINE DERIVATIVES.**

J.-C. Wu and J. Chattopadhyaya*, Dept. of Bioorganic Chemistry, Box 581, University of Uppsala, S-751 23 Uppsala, Sweden

Synthesis **2**, **3**, **4** and **5** are reported through the Michael addition reactions of β -eneselenone-nucleoside **1**

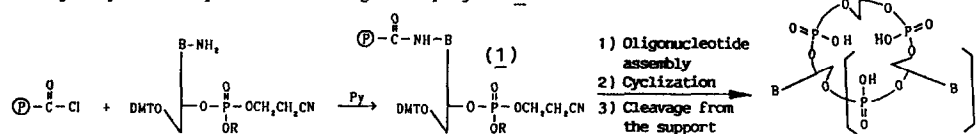


Tetrahedron, **45**, 4523, (1989)

**A POLYMER-NUCLEOTIDE LINKAGE USEFUL FOR THE SOLID PHASE
SYNTHESIS OF CYCLIC OLIGODEOXYRIBONUCLEOTIDES**

S.Barbato, L.De Napoli, L.Mayol, G.Piccialli and C.Santacroce
Universita' di Napoli. (Italy).

The solid phase synthesis of cyclic oligodeoxyribonucleotides
of any sequence is performed through the polymer **1**

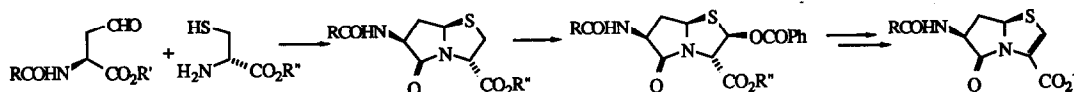


Tetrahedron, **45**, 4537, (1989)

A γ -LACTAM ANALOGUE OF PENEMS POSSESSING
ANTIBACTERIAL ACTIVITY

J.E. Baldwin*, R.T. Freeman, C. Lowe, C.J. Schofield, and E. Lee
The Dyson Perrins Laboratory, South Parks Road, Oxford OX1 3QY

A synthesis of a γ -Lactam with antibacterial activity is described.

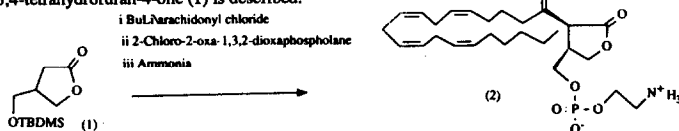


Tetrahedron, **45**, 4551, (1989)

SYNTHESIS OF STRUCTURAL VARIANTS OF PHOSPHOLIPIDS:
INHIBITION OF PHOSPHOLIPASE A₂

Malcolm M. Campbell*, Judy Long Fox, Malcolm Sainsbury*, and Y.Liu, School of Chemistry, University of Bath,
Claverton Down, Bath BA2 7AY, U.K.

A synthesis of 3-arachidonyl-1,2,3,4-tetrahydro-4-[(O-phosphatidyl ethanolamino)hydroxymethyl]furan-2-one (2) from 4-*t*-butyldimethylsilyloxymethyl-1,2,3,4-tetrahydrofuran-4-one (1) is described.

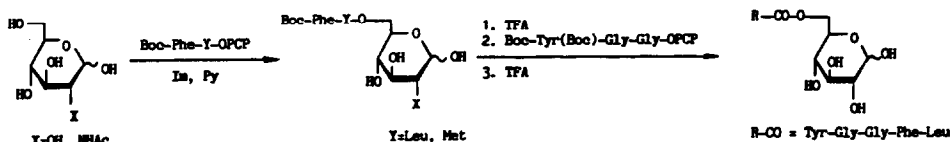


Tetrahedron, **45**, 4579 (1989)

GLYCOCONJUGATES OF OPIOID PEPTIDES. III.

A NOVEL REGIOSELECTIVE SYNTHESIS OF 6-O-PEPTIDYL-D-GLYCOPYRANOSIDES USING UNPROTECTED SUGARS

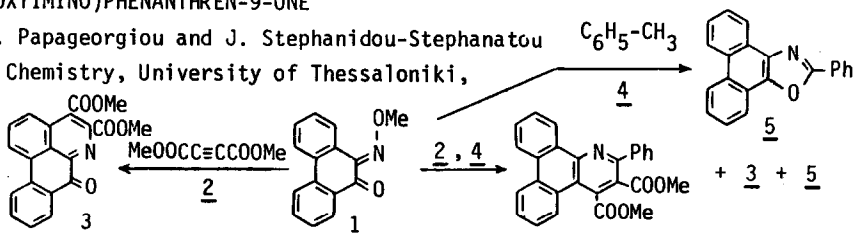
Štefica Horvat*, Jaroslav Horvat, Darko Kantoci and Lidija Varga
Department of Organic Chemistry and Biochemistry, "Ruder Bošković" Institute
P.O.B. 1016, 41001 Zagreb, Yugoslavia



Tetrahedron, **45**, 4585, (1989)

SYNTHESIS OF SOME FUSED PYRIDINE- AND OXAZOLE-POLYCYCLIC
SYSTEMS FROM 10-(METHOXYIMINO)PHENANTHREN-9-ONE

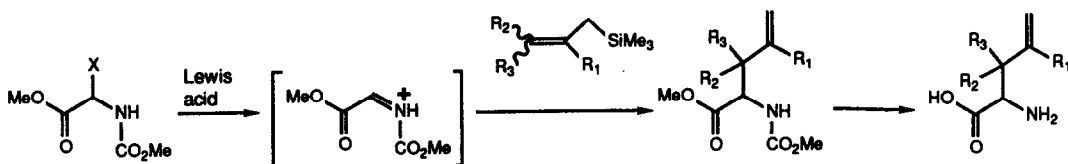
D.N. Nicolaides*, G.K. Papageorgiou and J. Stephanidou-Stephanatou
Laboratory of Organic Chemistry, University of Thessaloniki,
Thessaloniki, Greece



Tetrahedron, 45, 4627, (1989)

SYNTHESIS OF γ,δ -UNSATURATED α -AMINO ACIDS FROM ALLYLSILANES AND GLYCIDYL CATION EQUIVALENTS

Hendrik H. Mooiweer, Henk Hiemstra*, and W. Nico Speckamp*, *Laboratory of Organic Chemistry, University of Amsterdam, Nieuwe Achtergracht 129, 1018 WS Amsterdam, The Netherlands.*



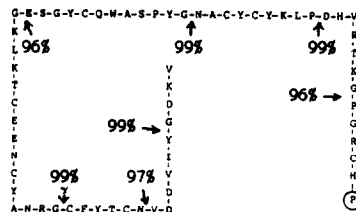
Tetrahedron, 45, 4637, (1989)

CONVERGENT SOLID PHASE PEPTIDE SYNTHESIS. VII. GOOD YIELDS IN THE COUPLING OF PROTECTED SEGMENTS ON A SOLID SUPPORT

A. Grandas,¹ F. Albericio,¹ J. Josa,¹ E. Giralt,¹ E. Pedrosa,¹ J.M. Sabatier,² and J. Van Rietschoten.²

¹Departament de Química Orgànica, Universitat de Barcelona, Spain; ²UDC CNRS UA1179 INSERM U172, Laboratoire de Biochimie Faculté de Médecine Nord, Marseille, France.

The entire sequence of toxin II of AaH has been assembled on a solid support. Coupling yields of protected segments have been higher than 96% as determined by solid phase sequencing.



Tetrahedron, 45, 4649, (1989)

X=Y-ZH COMPOUNDS AS POTENTIAL 1,3-DIPOLES. PART 24. PREPARATION AND THERMAL FRAGMENTATION OF IMIDAZOLIDINES. INFLUENCE OF METAL SALTS ON PYRROLIDINE VERSUS IMIDAZOLIDINE FORMATION

Kitti Amornraksa, Darrin Barr, Gregory Donegan, Ronald Grigg*, Pinit Ratananukul and Visuvanther Sridharan
Chemistry Department, Queen's University, Belfast BT9 5AG, Northern Ireland.

