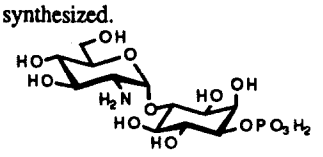
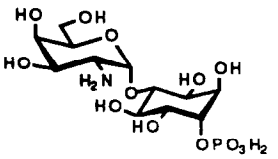
Tetrahedron, **1990**, *47*, 1

GLYCOSYL-INOSITOL DERIVATIVES III. SYNTHESIS OF HEXOSAMINE-INOSITOL-PHOSPHATES RELATED TO PUTATIVE INSULIN MEDIATORS.

William K. Berlin, Wen-Sheng Zhang, and T. Y. Shen.
University of Virginia, Department of Chemistry, Charlottesville, Va., 22901.

The resolved disaccharides, 4-O-(α-D-glucopyranosyl)-D-myo-inositol-1-phosphate and 4-O-(α-D-galactopyranosyl)-D-chiro-inositol-1-phosphate, related to putative insulin mediator and glycosyl phosphatidyl inositol have been synthesized.

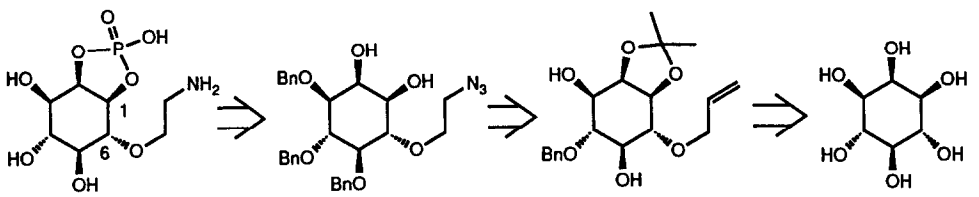



Tetrahedron, **1990**, *47*, 21

SYNTHESIS OF 6-O-(2-AMINOETHYL)-D,L-*MYO*-INOSITOL-1,2-CYCLIC-PHOSPHATE: A MODEL OF A PUTATIVE INSULIN SECOND MESSENGER

Jeff E. Cobb* and M. Ross Johnson, Glaxo Inc., Five Moore Drive, Research Triangle Park, NC 27709

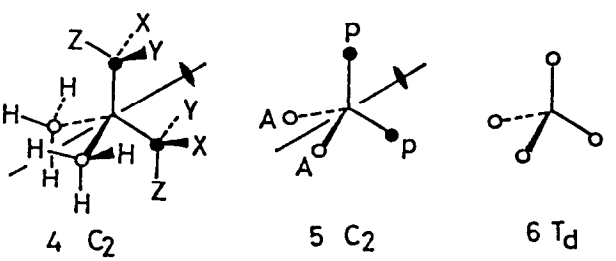
The titled compound was synthesised as a potential insulinomimetic in 15 steps from *myo*-inositol.



Tetrahedron, **1990**, *47*, 31

Promolecules for Characterizing Stereochemical Relationships in Non-Rigid Molecules.

SHINSAKU FUJITA
Research Laboratories, Ashigara,
Fuji Photo Film Co., Ltd., Minami-Ashigara,
Kanagawa, Japan 250-01

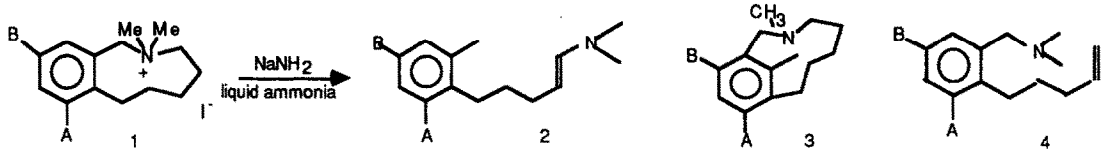


Tetrahedron, **1990**, *47*, 47

STUDY OF THE REACTION OF SODIUM AMIDE IN LIQUID AMMONIA
WITH HEXAHYDRO-(1H)-2-BENZAZONINIUM SALTS : ACCESS TO 2-AZA(7)METACYCLOPHANES

Didier Barbry, Damien Spanneut, Bruno Hasiak and Daniel Couturier,
Lab.Synthese Organique,Univ.Sc. et Techn. de Lille FA ,59655 Villeneuve d'Ascq Cedex FRANCE

Title compound 3 is one of the major compounds of transposition of 1 by sodium amide

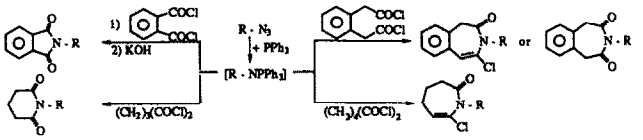


Tetrahedron, **1990**, *47*, 53

REACTIVITY OF IMINOPHOSPHORANES TOWARDS SOME SYMMETRICAL
DICARBONYLDICHLORIDES : SYNTHESES AND MECHANISMS

Thierry Aubert, Michel Farnier, and Roger Guilard*
Laboratoire de Synthèse et d'Electrosynthèse Organométallique (U.A. 33), 21100 Dijon, France.

In situ generated iminophosphoranes react with various dicarbonyl dichlorides to afford known or new heterocycles in a one-pot procedure. Mechanisms of formation are discussed.

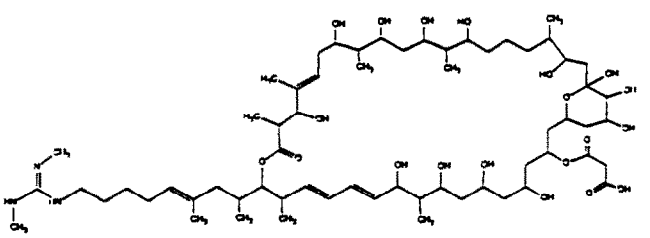


Tetrahedron, **1990**, *47*, 61

STRUCTURE ELUCIDATION OF RP 63834, A NEW MACROCYCLIC LACTONE ANTIBIOTIC, BY THE CONCERTED USE OF HOMO AND HETERONUCLEAR 2D NMR SPECTROSCOPY

D. Fréchet, M. Danzer, F.Debu, B. Monegier du Sorbier, D.Reisdorf, C.Snozzi and M. Vuilhorgne. Rhône Poulenc Santé, Service d'Analyse Structurale, Centre de Recherches de Vitry-Alfortville, 13 quai Jules Guesde, 94400 Vitry-sur-Seine, France.

$C_{63}H_{111}O_{20}N_3$

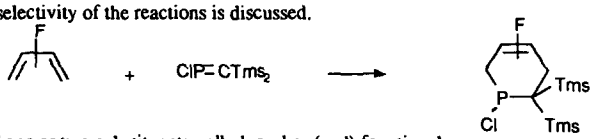


Tetrahedron, **1990**, *47*, 71

DIELS ALDER REACTIONS OF P-CHLORO (BISTRIMETHYLSILYL) METHYLENE PHOSPHINE.

M. Abbari, P. Cosquer, F. Tonnard, Y.Y.C. Yeung Lam Ko and R. Carrié.
Université de Rennes I, 35042 Rennes Cédex.

The methylene phosphine of the title reacts with electron poor or rich functionalized dienes to give adducts whose structures are determined by NMR. The regioselectivity of the reactions is discussed.



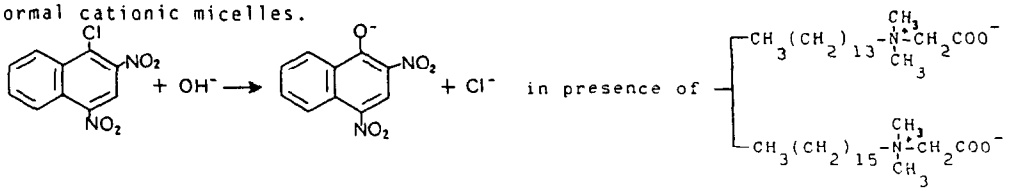
F one or two substituents : alkyl, aryl or (and) fonctional group.

Tetrahedron, **1990**, *47*, 83

CATALYSIS BY ZWITTERIONIC MICELLES IN AROMATIC NUCLEOPHILIC SUBSTITUTION REACTION

A. Cipiciani, S. Primieri, Dipartimento di Chimica, Università di Perugia
Via Elce di Sotto 8, Perugia 06100 (ITALY)

The kinetics of reaction of OH^- with 1-chloro-2,4-dinitronaphthalene in presence of N,N-dimethyl-N-tetradecylglycine(DTG) and N,N-dimethyl-N-hexadecylglycine(DHG) were studied.Rate effects were compared with those obtained in the presence of normal cationic micelles.



Tetrahedron, **1990**, *47*, 91

CHEMICAL-MICROBIOLOGICAL SYNTHESIS OF 6β-EUDESMANOLIDES BY *CURVULARIA LUNATA* CULTURES FROM EUDESMANES WITH FUNCTIONS AT C-1 AND C-6.

A. García-Granados*, A. Martínez, M. E. Onorato, F. Rivas and J.M. Arias
Departamento de Química Orgánica. Facultad de Ciencias. Universidad de Granada. Spain.

Biotransformation of several 1,6-difunctionalized eudesmanes by *Curvularia lunata*.

	R^1	R^4
1	β-OH	β-OAc
8	β-OH	β-OH
11	O	β-OAc
20	β-OAc	O
24	O	O

Tetrahedron, **1990**, *47*, 103

ENZYMIC ACYLATION OF SUGARS. RATIONALE OF THE REGIOSELECTIVE BUTYRYLATION OF SECONDARY HYDROXY GROUPS OF D- AND L-GALACTO AND MANNOPYRANOSIDES.

Diego Colombo,[#] Fiamma Ronchetti,[#]* and Lucio Toma[+]

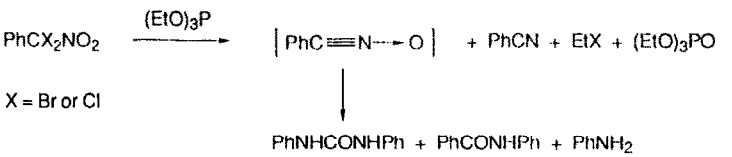
[#]*Dipartimento di Chimica e Biochimica Medica, Università di Milano, Via Saldini 50, 20133 Milano (Italy);*
[+]*Dipartimento di Chimica Organica, Università di Pavia, Viale Taramelli 10, 27100 Pavia (Italy).*

Methyl 6-O-butyryl-α-D- and -L-galactopyranoside and methyl 6-O-butyryl-α-D- and -L-mannopyranoside, which present three contiguous secondary hydroxy groups in different orientations, have been acylated using three hydrolytic enzymes, Porcine pancreatic, *Candida cylindracea*, and *Pseudomonas fluorescens* lipases in organic solvents. Some generalization of the obtained results is discussed.

Tetrahedron, **1990**, *47*, 111

THE REACTIONS OF HALOGENATED PHENYLNITROMETHANES WITH TRIETHYL PHOSPHITE

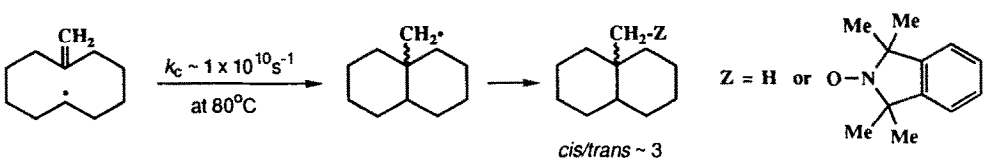
Helen Burgess and John A. Donnelly*
Department of Chemistry, University College, Dublin 4, Ireland



Tetrahedron, **1990**, *47*, 121

RING CLOSURE OF THE 6-METHYLENECYCLODECYL RADICAL

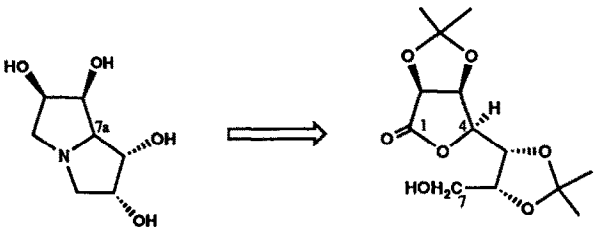
Athelstan.L.J. Beckwith*, Vincent W. Bowry, and Carl. H. Schiesser,
Research School of Chemistry, Australian National University, Canberra.



Tetrahedron, **1990**, *47*, 131

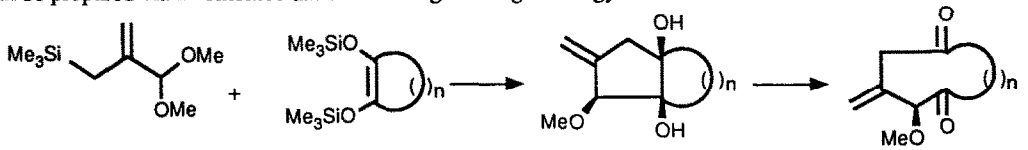
SYNTHESIS FROM A HEPTONOLACTONE AND EFFECT ON GLYCOSIDASES OF (1S,2R,6R,7S)-1,2,6,7-TETRAHYDROXYPYRROLIZIDINE

A. J. Fairbanks, G. W. J. Fleet,* A. H. Jones, I. Bruce, S. Al Daher,[a] I. Cenci di Bello,[a] B. Winchester,[a]
Dyson Perrins Laboratory and Oxford Center for Molecular Sciences, South Parks Road, Oxford OX1 3QY
[a]Department of Clinical Biochemistry, Institute of Child Health, 30 Guilford Street, London WC1N 1EH



Tetrahedron, **1990**, *47*, 139

The Use of a Combined Annulation - Ring Cleavage Strategy for the Synthesis of Seven, Eight And Nine - Membered Rings. Thomas V. Lee*, John R. Porter and Frances S. Roden. School of Chemistry, The University, Bristol, BS8 1TS, England. Medium sized rings can be prepared via a combined annulation-ring cleavage strategy.



Tetrahedron, **1990**, *47*, 149

Efficient, mild and Regioselective conversion of Thiiranes to Alkoxy and Acetoxy Disulphides and Dithianes with Ce(IV) Based Oxidants.

N. Iranpoor*, J. Owji
Chemistry Department, Shiraz University, Shiraz, Iran.

Ring opening and dimerization of thiiranes to their corresponding alkoxy and acetoxy disulphides or dithianes are performed with different Ce(IV) Based Oxidants.

Tetrahedron, **1990**, *47*, 155

ENANTIOSELECTIVE SYNTHESIS OF
A KAINOID ANALOGUE BY COBALT MEDIATED CYCLISATION

Jack E. Baldwin, Mark G. Moloney, and Andrew F. Parsons
Dyson Perrins Laboratory, University of Oxford. OX1 3QY U.K.

A synthesis of a kainoid analogue is described.

D-Serine