

JOURNAL OF THE CHEMICAL SOCIETY

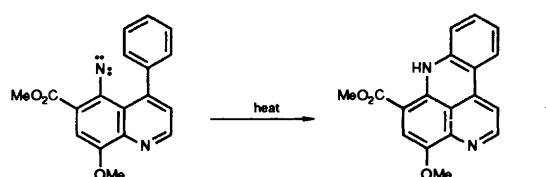
Perkin Transactions 1

Organic and Bio-organic Chemistry

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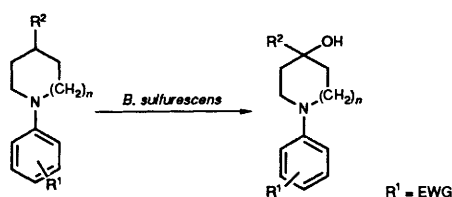
Perkin Communications

879 Synthesis of norsegoline

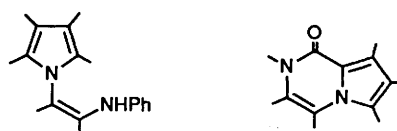


Stephen H. Dunn and Alexander McKillop

Intramolecular nitrene insertion gives norsegoline 1 in good yield

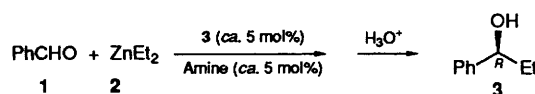
881 Biooxidations of some *N*-arylpiperidines and related compounds using *Beauveria sulfurescens*

Nicholas Floyd, Francois Munyemana, Stanley M. Roberts and Andrew J. Willetts

R¹ = EWG883 Substituted 1-(2'-aminovinyl)pyrroles and pyrrolo[1,2-*a*]pyrazines from the reaction of a pyrazolium methanide 1,3-dipole with dialkyl acetylenedicarboxylates: a 1,2-carbon to nitrogen rearrangement in the pyrazole system

Richard N. Butler, Helena A. Gavin, D. Cunningham and Patrick McArdle

A new route to the structures shown is described

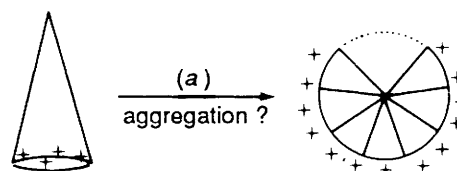
885 Asymmetric synthesis. Part 19. Asymmetric autocatalysis of (*R*)-1-phenylpropan-1-ol mediated by a catalytic amount of amine in the addition of diethylzinc to benzaldehyde

Li ShengJian, Jiang Yaozhong, Mi Aiqiao and Yang Guishu

(R)-1-Phenylpropan-1-ol underwent enantioselective autoinduction in up to ca. 100% chemical yield and up to 49.2% ee with retention of configuration

- 887 **Tailor-making of desired assemblies from well-designed monomers: use of calix[4]arene conformers as building blocks**

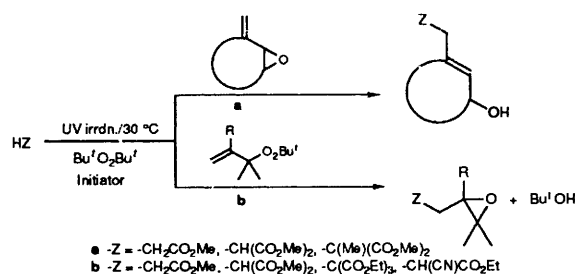
Susumu Arimori, Takeshi Nagasaki and Seiji Shinkai



Articles

- 891 **Homolytic reactions of ligated boranes. Part 17. Amine-boranes as polarity reversal catalysts for radical chain reactions of esters with vinylic epoxides and with allylic *tert*-butyl peroxides**

Hai-Shan Dang and Brian P. Roberts



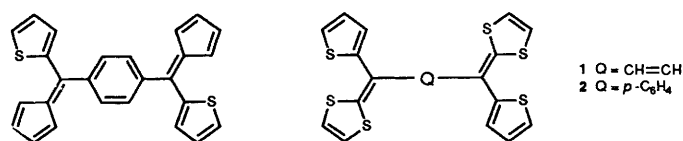
- 899 **Enzymic polymerisation of an unactivated diol/diacid system**

Falmi Binns, Stanley M. Roberts, Alan Taylor and Charles F. Williams

The polyesterification of adipic acid and butane-1,4-diol using lipozyme IM-20 as catalyst is reported. The lower oligomeric products were identified and a low-dispersity polyester averaging 20 repeat units was produced

- 905 **Hetero-analogues of Hückel degenerate systems and related compounds. Preparation of thienyl-substituted fulvalene and electron-donating tetrathiafulvalene vinylogues and conductive complexes**

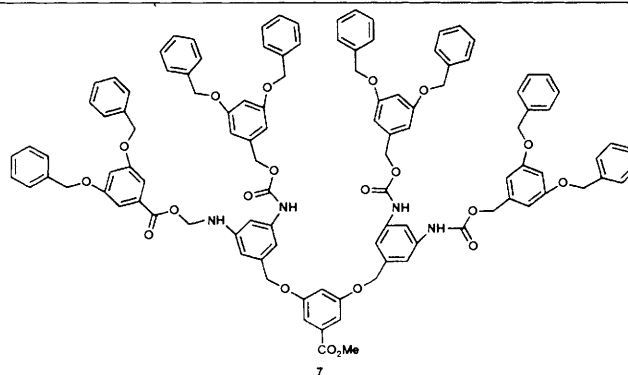
Akira Ohta, Tomoshige Kobayashi and Hiroshi Kato



Conductive TCNQ and I_2 complexes were formed from 1

- 913 **Two-step approach towards the accelerated synthesis of dendritic macromolecules**

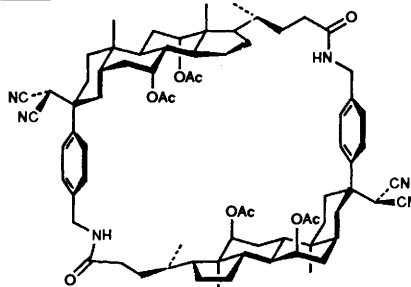
Ralph Spindler and Jean M. J. Fréchet



A one-pot synthesis of 7 is described

- 919 **Synthesis of cyclo-bis[7 α ,12 α -diacetoxy-3 β -dicyanomethyl-3 α -(4-methylenepheryl)-cholamide]; a cholaphane with reduced flexibility and externally-directed functionality**

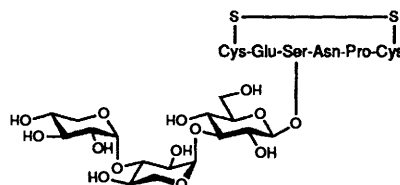
Anthony P. Davis and Michael G. Orchard



The dicyanomethyl groups in this second-generation cholaphane hinder rotation of the aryl spacer groups and favour inward-facing conformations as shown

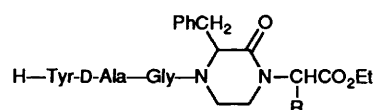
- 925 **Small-scale solid-phase *O*-glycopeptide synthesis of linear and cyclized hexapeptides from blood-clotting factor IX containing *O*-(α -D-Xyl-1 \rightarrow 3- α -D-Xyl-1 \rightarrow 3- β -D-Glc)-L-Ser**

Kerry B. Reimer, Morten Meldal, Shoichi Kusumoto, Koichi Fukase and Klaus Bock



- 933 **Synthesis of Met- and Leu-enkephalin analogues containing chiral *N,N'*-ethylene-bridged phenylalanyl-methionine and -leucine**

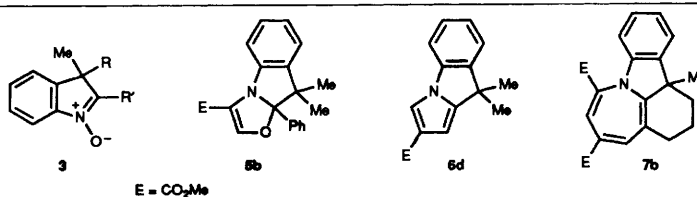
Hiroshi Takenaka, Hiroyuki Miyake, Yoshitane Kojima, Masahide Yasuda, Munekazu Gemba and Tetsushi Yamashita



Met-enkephalin analogue: R = CH₂CH₂SMe
Leu-enkephalin analogue: R = CH₂CHMe₂

- 939 **Oxazolo[3,2-*a*]indoles. Pyrrolo- and azepino-[1,2-*a*]indoles from 3*H*-indole 1-oxides and acetylenecarboxylic esters by skeletal rearrangements**

Roy M. Letcher, Della W. M. Sin and Kung-Kai Cheung



3*H*-Indole *N*-oxides **3** react with DMAD or MP to give *via* skeletal rearrangements 10 adducts, *e.g.* **5b**, **6d** and **7b** with the products being dependent on the 2-substituent

- 945 **Generation and solution-phase behaviour of some 2-halogeno-1,3-ring-fused cyclopropenes**

Martin G. Banwell, Madelaine Corbett, Jacqueline Gulbis, Maureen F. Mackay and Monica E. Reum

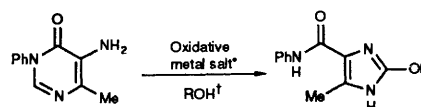


X = Cl or Br

Various ring-fused cyclopropenes of the general type **2b** have been generated and trapped with added dienes to give Diels-Alder adducts of the type **3b**

- 965 **Synthesis of imidazoles by the oxidative transformation of 5-aminopyrimidinones**

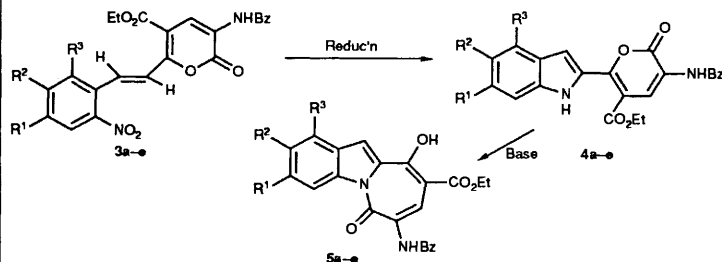
Izumi Matsuura, Taisei Ueda, Nobutoshi Murakami, Shin-ichi Nagai, Akito Nagatsu and Jinsaku Sakakibara



* Cu^{II}, Tl^{III}, Fe^{III}, Pb^{IV}
† Me, Et, Bu, Prⁱ, Bu^s

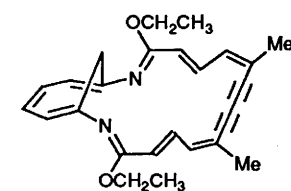
- 969 **α -Pyrone. Part 4. Synthesis of 3-benzoyl-amino-6-(indol-2-yl)pyran-2-ones and their rearrangement to substituted azepino[1,2-*a*]-indol-6-ones: Unusual neighbouring group participation**

M. Luisa Gelmi, Donato Pocar and Fulvio Vago



- 975 **Synthesis of methano-bridged tetrahydrodiaz[22]annulene and related compounds**

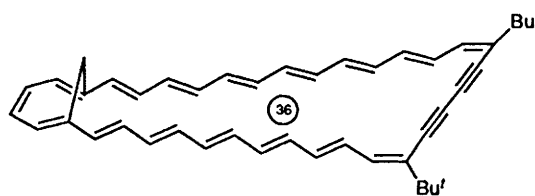
Hiroyuki Higuchi, Hiroyuki Yamamoto, Jūro Ojima and Gaku Yamamoto



Synthesis of diaza[22]annulene

- 983 **Synthesis of methano-bridged tetrahydro[36]annulene**

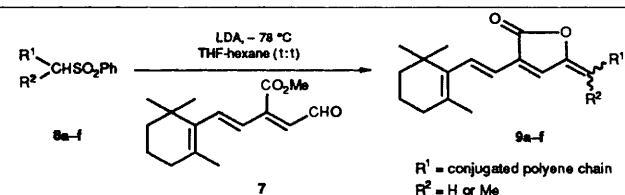
Hiroyuki Higuchi, Hiroyuki Yamamoto, Jūro Ojima, Masahiko Iyoda, Masato Yoshida and Gaku Yamamoto



Synthesis of tetrahydromethano[36]annulene

- 987 **Retinoids and related compounds. Part 14. A novel synthesis of conjugated 4-alkylidenebutenolides and their spectral characterization**

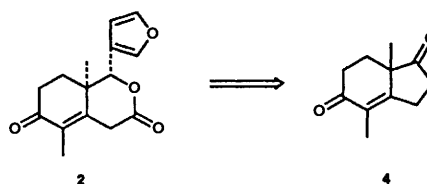
Masayoshi Ito, Yuko Katsuta, Yumiko Yamano and Kiyoshi Tsukida



Carotenoidal alkylidenebutenolides **9a-f** have been synthesised in a novel reaction between the conjugated formyl ester **7** and various allylic sulfones **8a-f** in the presence of LDA at $-78\text{ }^{\circ}\text{C}$

- 995 **Synthetic studies on the C/D ring segment of limonoids**

Marc Renoud-Grappin, Corinne Vanucci and Gerard Lhommet



A new synthetic strategy towards the limonoid model molecule **2** from dione **4** has been studied

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NOTE: An asterisk in the heading of each paper indicates the author who is to receive any correspondence.

