

JOURNAL OF THE CHEMICAL SOCIETY

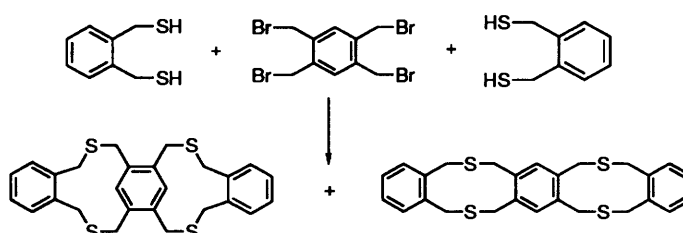
Perkin Transactions 1

Organic and Bio-organic Chemistry

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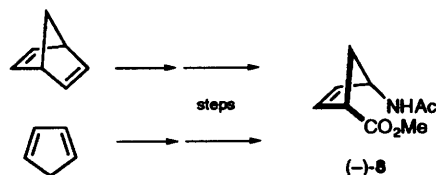
Perkin Communications

1883 Synthesis and properties of some new ditopic thiacyclophanes



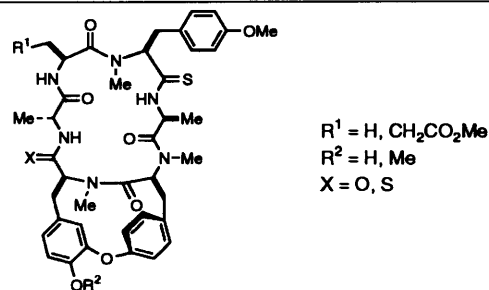
Lyall R. Hanton and Harrison Sikanyika

1885 The enantioselective synthesis of an important intermediate to the antiviral, (-)-carbovir



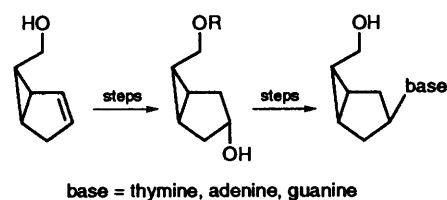
Sheetal Handa, George J. Earlam, (the late) Phillip J. Geary, John E. Hawes, Gareth T. Phillips, Robert J. Pryce, George Ryback and Jeremy H. Shears

The homochiral intermediates (-)-8 to the antiviral (-)-carbovir has been synthesised from either norbornadiene or cyclopentadiene

1887 Studies on *Rubia akane* (RA) derivatives. Part 7. Thioamide analogues of RAs: antitumour cyclic hexapeptides

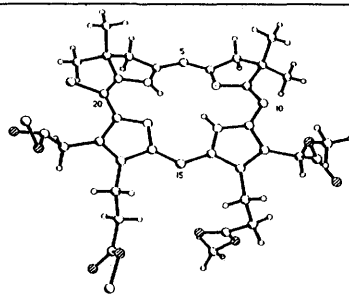
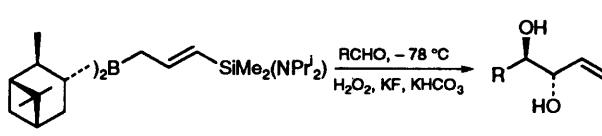

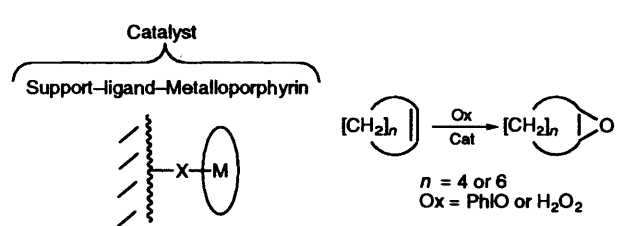
Yukio Hitotsuyanagi, Jin Suzuki, Yuji Matsumoto, Koichi Takeya and Hideji Itokawa

1891 Synthesis of some carbocyclic nucleoside analogues based on a bicyclo[3.1.0]hexane ring system



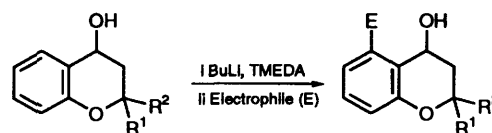
H. Gooding, Stanley M. Roberts and Richard Storer

Articles

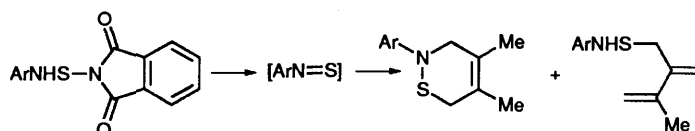
<p>1893 Synthesis and X-ray structure analysis of 13,17-bis(2-methoxycarbonylethyl)-12,18-bis(methoxycarbonylmethyl)-2,2,8,8,20-pentamethylisobacteriochlorin</p> <p>Colin L. Gibson, Michael J. Doyle, Paul R. Raithby and Alan R. Battersby</p>	
<p>1897 A general reagent for <i>O</i>-phosphonomethylation of phenols</p> <p>Sir John Cornforth and John R. H. Wilson</p>	$\text{ArONa} + \text{ClC}_6\text{H}_4\text{SO}_2\text{OCH}_2\text{P}(\text{O})(\text{OEt})_2 \longrightarrow \text{ArOCH}_2\text{P}(\text{O})(\text{OEt})_2$
<p>1901 Synthetic studies on calyculin A: A convenient asymmetric synthesis of <i>anti</i>-vicinal diols</p> <p>Anthony G. M. Barrett and James W. Malecha</p>	
<p>1907 Intramolecular cyclization to 1-phenyl-1-benzothiophenium salts by electrophilic addition of <i>o</i>-(phenylsulfanyl)phenylalkynes</p> <p>Tsugio Kitamura, Tatsuya Takachi, Masa-aki Miyaji, Hironobu Kawasato and Hiroshi Taniguchi</p>	 <p>R = Ph or <i>p</i>-MeOC₆H₄</p>
<p>1913 Alkene epoxidation catalysed by iron(III) and manganese(III) tetraarylporphyrins coordinatively bound to polymer and silica supports</p> <p>Paul R. Cooke and John R. Lindsay Smith</p>	

1925 Directed lithiation of some chroman-4-ols

Richard J. Bethune, Christopher D. Gabbutt,
Stéphane G. R. Guinot, John D. Hepworth
and B. Mark Heron

1935 Diels–Alder and ene reactions of new transient thionitrosoarenes (Ar–N=S) and thionitrosoheteroarenes (Het–N=S) generated from *N*-(arylaminothio)phthalimides and *N*-(heteroarylaminothio)phthalimides: synthesis of cyclic and acyclic sulfenamides

Martin R. Bryce, Julie N. Heaton, Paul C.
Taylor and Martin Anderson



New thionitrosoarenes and thionitrosoheteroarenes have been generated and trapped *in situ* as Diels–Alder and ene adducts

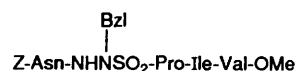
1945 Synthesis of pyrrolidinones *via* free-radical cyclisations: potential application to the kainoids

Andrew F. Parsons and Richard J. K. Taylor



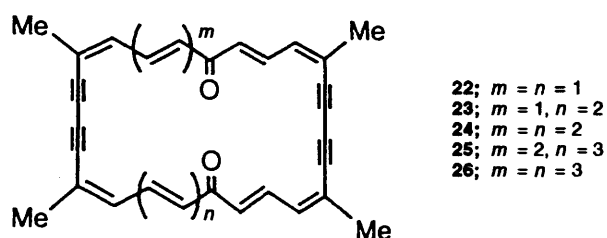
1953 Azasulfonamidopeptides as peptide bond hydrolysis transition state analogues. Part 2. Potential HIV-1 proteinase inhibitor

Timothy J. Cheeseright, Susan Daenke,
Donald T. Elmore and John H. Jones

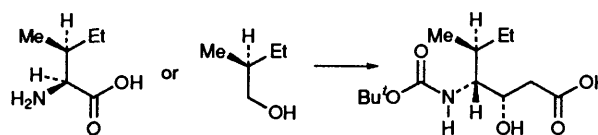


1957 Synthesis and properties of tetramethyloctadecyldihydro-[26]-, -[28]-, -[30]-, -[32]- and [34]-annulenediones

Hiroyuki Higuchi, Shiro Kondo, Yuichi
Watanabe, Jūro Ojima and Gaku Yamamoto

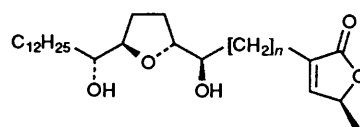
1969 Synthesis of *D*-alloisoleucine from *L*-isoleucine and from (*S*)-2-methylbutan-1-ol. Synthesis of isostatine

Paul Lloyd-Williams, Patricia Moneris,
Isabel Gonzalez, Gemma Jou and Ernest
Giralt



1975 Total synthesis of solamin and reticulatacin

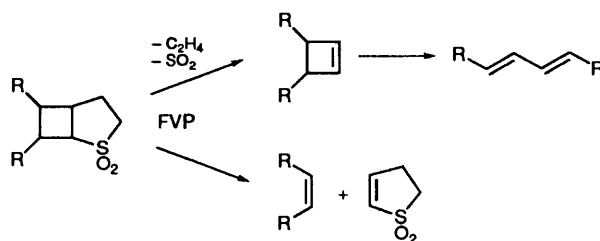
Hidefumi Makabe, Akira Tanaka and Takayuki Oritani



$n = 12$: solamin
 $n = 14$: reticulatacin

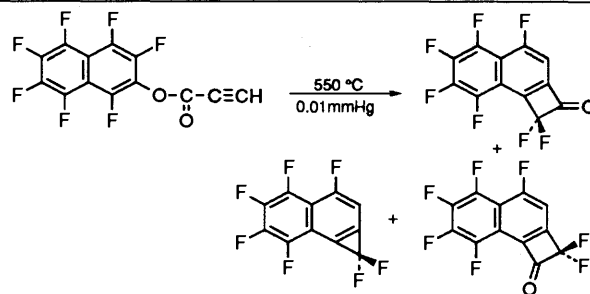
1983 Preparation and pyrolysis of some Bi- and Tri-cyclic sulfones derived from photochemical [2 + 2] cycloaddition of 2,3-dihydrothiophene 1,1-dioxide (2-sulfolene)

R. Alan Aitken, J. I. G. Cadogan and Ian Gosney



1991 The pyrolysis of 1,3,4,5,6,7,8-heptafluoro-2-naphthyl propynoate: remarkable products obtained via an internal Diels-Alder reaction

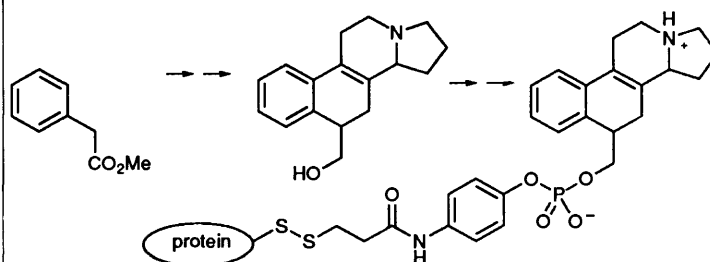
Andrei S. Batsanov, Gerald M. Brooke, Christopher J. Drury, Judith A. K. Howard and Christian W. Lehmann



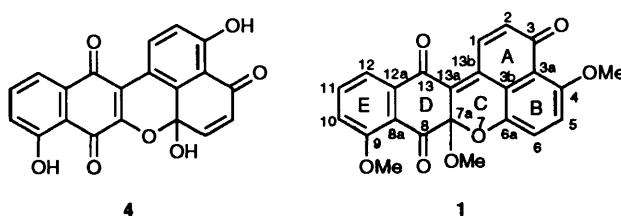
An intramolecular Diels-Alder reaction accounts for the skeletal rearrangement

1997 Design and synthesis of transition-state analogues for a cationic cyclisation

Ian M. Bell, Chris Abell and Finian J. Leeper

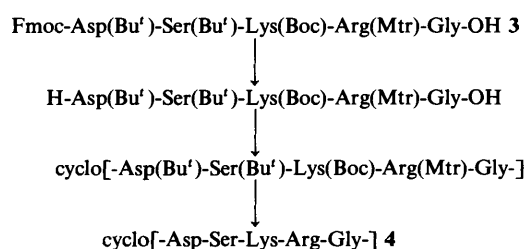
2007 Quinaphthin, a binaphthyl quinonoid secondary metabolite produced by *Heliconia richonis*

Peter Adriaenssens, Avril E. Anson, Michael J. Begley, P. Jack Fisher, Keith G. Orrell, John Webster and J. Stanley Whitehurst



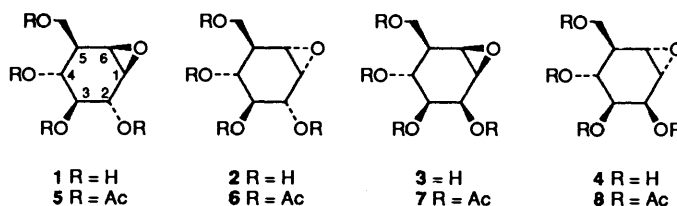
2011 **Synthesis and cell-adhesion properties of cyclo(-Arg-Gly-Asp-Ser-Lys-), a constrained analogue of the active domain of fibronectin**

John S. Davies, Christine Enjalbal, Clare J. Wise, Sarah E. Webb and Gareth E. Jones



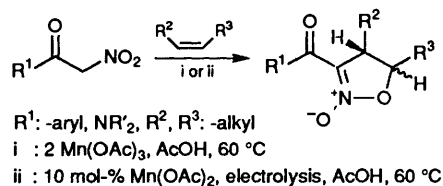
2017 **(-)-Quinic acid in organic synthesis. Part 4. Syntheses of cyclophellitol and its (1*R*,6*S*)-, (2*S*)-, (1*R*,2*S*,6*S*)-diastereoisomers**

Tony K. M. Shing and Vincent W.-F. Tai



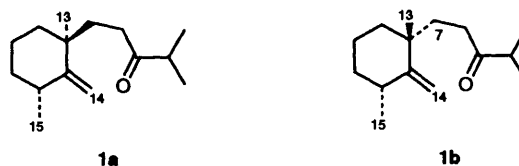
2027 **Oxidative free-radical additions of α -nitro ketones and α -nitro amides to alkenes and alkynes mediated by electrochemically regenerable manganese(III) acetate**

Ralph Warsinsky and Eberhard Steckhan



2039 **Synthesis of tridensone, a sesquiterpene ketone isolated from the liverwort *Bazzania tridens*. Structure revision and absolute configuration**

Motoo Tori, Kazuhiro Kosaka and Yoshinori Asakawa



The structure of (-)-tridensone has been revised from **1b** to **1a**, including the absolute configuration, by total synthesis

AUTHOR INDEX

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Yamamoto, Gaku, 1957

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

Forthcoming Articles in *Perkin Transactions 1*

Novel Hypotensive Agents, Niazimin A, Niazimin B, Niazicin A and Niazicin B from *Moringa oleifera*: Isolation of the First Naturally Occurring Carbamates **S. Faizi, B.S. Siddiqui, R. Saleem, S. Siddiqui, K. Aftab and A.-U.-H. Gilani**

The Reactions of the Diisopropylamino Chlorophosphonium Cation with Unsaturated Alcohols
I. Yamamoto, K. Ohta, T. Fujimoto, M. Kyoda, A. Matsumura and T. Kasaka

Chemical Evidence for the De-astringency (Insolubilization of Tannins) of Persimmon Fruit
I. Kouno, T. Tanaka, R. Takahashi and G. Nonaka

The Reaction of 1-Aryl- and 1-Pyridyl-3-oxo-1,2,3,4-tetrahydroisoquinolines with Dimethylcarbamoyl Chloride: The Preparation of Amidines, Isoquinolines and *N*-Carbamoylated Products
S.A. Smith, D.J. Hunter, R.E. Markwell and P.A. Wyman

Stereoselective Radical Addition of Carbon Centred Radicals to the Dehydroalanine Moiety of the Chiral Nickel(II) Complex of the Schiff's Base Derived from (*S*)-2-[*N*-(*N*-Benzylpropyl)amino]benzophenone and Dehydroalanine
Y.N. Belokon, R.G. Gasanov, L.V. Il'inskaya, M.A. Misharin, V.I. Maleev, N.I. Raevski, N.S. Ikonnikov, S.A. Orlova and N.A. Kuzmina

Synthesis of Monosulfonated Phthalocyanines, Naphthobenzoporphyrines and Porphyrins *via* the Meerwein Reaction
S. Kudrevich, H. Ali and J.E. van Lier

Oxidation of Some Monocyclic and Bicyclic Ketones using Monooxygenases from *Acinetobacter calcoaceticus* NCIMB 9871 and *Pseudomonas putida* NCIMB 10007
S.M. Roberts, R. Gagnon, G. Grogan, M.S. Levitt, P.W.H. Wan and A.J. Willetts

Thiol-reactive Fluorescent Probes for Protein Labelling **J.E.T. Corrie**

Synthesis and Characterisation of Pure Isomers of Iodoacetamidotetramethylrhodamine **J.E.T. Corrie and J.S. Craik**

Synthesis of Thieno-[2,3-*b*]-, -[3,2-*b*]-, and -[3,4-*b*]-thiophenes and Thieno-[3,2:4,5]-, and -[2,3:4,5]-thieno[3,2-*d*]pyrimidin-7(6*H*)-ones starting from Thiophene **B. Iddon, D.W. Hawkins, D.S. Longthorne and P.J. Rosyk**

Pheromone Synthesis. Part 166. Synthesis of (2*E*,5*R*,6*E*,8*E*)-5,7-Dimethyl-2,6,8-decatrien-4-one, the Major Component of the Sex Pheromone of the Israeli Pine Bast Scale, and its Antipode **K. Mori and M. Amalka**

Cycloaddition between 2,3-Dibromo-5,6-norbornenobenzoquinone and 1,2-Dimethoxycarbonylcyclobutadiene. Intervention of a Fragmentation Reaction during a Quest for Annulated, Functionalized Cubanes **G. Mehta and S.H.K. Reddy**

Natural Product Chemistry. Part 181. Investigations on the Synthesis of Dihydropyrano- and Dihydrofurano-coumarins by Application of the Catalytic Enantioselective *cis*-Dihydroxylation **J. Reisch and A.A.W. Voerste**

Synthesis of *C*-Nucleosides *via* a Radical Coupling Reaction **H. Toga, S. Ishigami, M. Fuji, T. Ikuma and M. Yokoyama**

Synthesis of Unsymmetrical Tetraalkylsulfonyltetrafulvalene Derivatives
J.D. Kilburn, C. Gemmell, G.C. Janairo, H. Ueck and A.E. Underhill

Synthesis of Physoperuvine, Norphysoperuvine and Dehydro-derivatives **D. Justice and J.R. Malpass**

A Novel One-pot Synthesis of Homochiral (*R*)-(-) and (*S*)-(+)-[Fe(η^5 -C₅H₅)(CO)(PPh₃)(COCH₃)]
S.J. Cook, J.F. Costello, S.G. Davies and H.T. Kruk

5-Chloropyrazole-4-carbaldehydes as Synthons for Intramolecular 1,3-Dipolar Cycloaddition Reactions
G.L'abbe, W. Dehaen, S.Emmers and L.K. Dyll

Studies on the Oxidation of 1,3-Dithiane and 5,5-Disubstituted Analogues including X-Ray Crystal Structure, Equilibration Studies and p*K*_a Measurements on Selected Oxides
V.K. Aggarwal, I.W. Davies, R. Franklin, J. Maddock, M.F. Mahon and K.C. Molloy

Syntheses of (2*S*,3*R*)- and (2*S*,3*S*)-3-Methylglutamic Acid **B. Hartzoulakis and D. Gani**

