

JOURNAL OF THE CHEMICAL SOCIETY

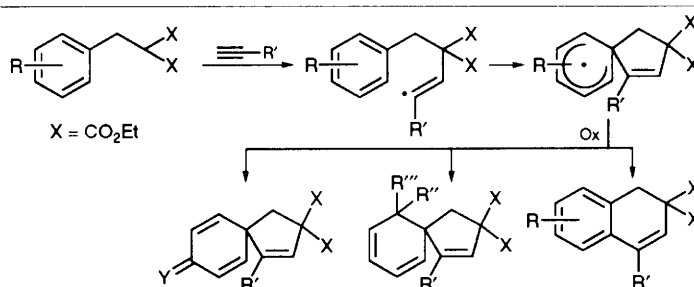
Chemical Communications

Number 13

1994

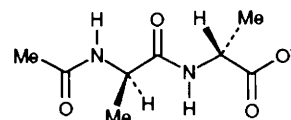
CONTENTS

- 1517
- 1,5 vs. 1,6 Intramolecular Homolytic Aromatic Substitution by Vinyl Radicals**



Attilio Citterio, Roberto Sebastiano, Antonietta Maronati, Roberto Santi, Fabrizio Bergamini

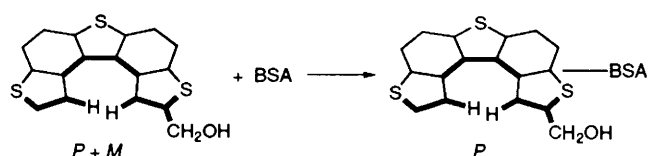
- 1519
- Expression of Electrostatic Binding Cooperativity in the Recognition of Cell-wall Peptide Analogues by Vancomycin Group Antibiotics**



Patrick Groves, Mark S. Searle, Martin S. Westwell, Dudley H. Williams

¹H NMR studies of the binding of a series of cell wall analogues of ristocetin A show that the carboxylate binding energy reflects the whole set of linked interactions as a cooperative unit.

- 1521
- Conversion of Racemic 2-Hydroxymethyl[5]-thiaheterohelicene into a Single Enantiomer on the Uptake by Bovine Serum Albumin**



Koh-ichi Yamada, Rieko Ishii, Hiroko Nakagawa, Hiroshi Kawazura

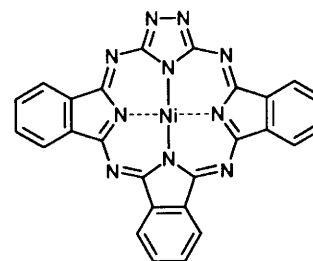
- 1523
- Infrared Spectra of Binary Selenium–Nitrogen Species Formed by Condensation of Microwave Discharge Products**

Condensation of a microwave discharge excited stream of argon–nitrogen–selenium gives NSe, NSe₂, and NSe₂⁺, which have been characterised by infrared spectra with ¹⁵N, ⁷⁶Se and ⁸⁰Se isotopic substitution.

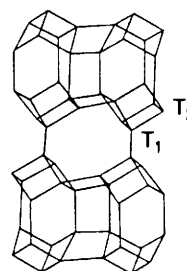
Lester Andrews, Parviz Hassanzadeh

1525 **Novel Tribenzhexaazaporphyrins as Unsymmetric Phthalocyanine Analogues**

The formal substitution of one isoindole subunit of a phthalocyanine by a 1,2,4-triazole moiety afforded a new family of unsymmetrical azaporphyrins.

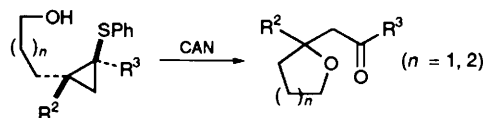


Fernando Fernández-Lázaro, Angela Sastre, Tomas Torres

1527 **SAPO-46 Molecular Sieve: Incorporation of Silicon at Crystallographically Independent Sites**

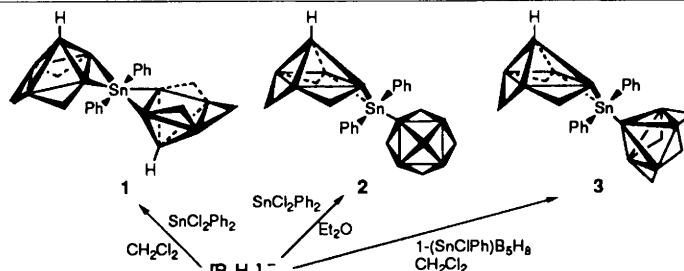
$T_1 \equiv \text{Si} / \text{Al}$
 $T_2 \equiv \text{Si} / \text{Al} / \text{P}$

A. M. Prakash, C. V. V. Satyanarayana, S. Ashtekar, D. K. Chakrabarty

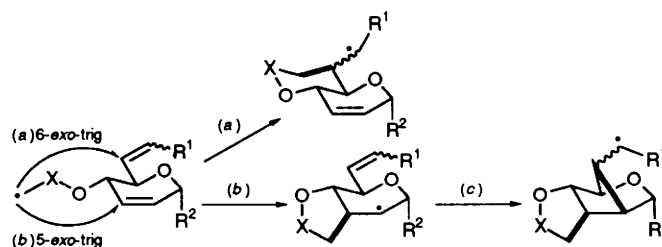
1529 **Tandem Oxidative Ring Cleavage–Cyclisation Reactions of Cyclopropylsulfides: A Novel Synthesis of Cyclic Ethers**

Yoshiji Takemoto, Taiichi Ohra, Syun-ichirou Furuse, Hiroki Koike, Chuzo Iwata

The CAN oxidation of cyclopropyl sulfides bearing a hydroxy group provides 2-substituted cyclic ethers.

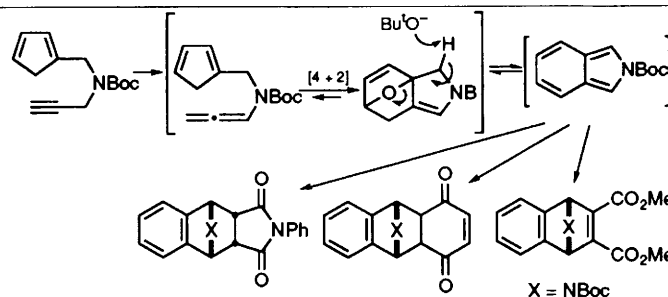
1531 **Crystal and Molecular Structure of $\mu, 2'$ - $\text{SnPh}_2(\text{B}_5\text{H}_8)_2$ and $\mu, 1'$ - $\text{SnPh}_2(\text{B}_5\text{H}_8)_2$: The First Structurally Characterized Examples of Two Pentaborane Cages Linked by a Single Heteroatom**

Hong Fang, Dong Zhao, Lee Brammer, Lawrence Barton

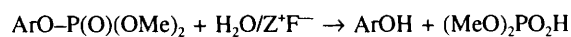
1533 **Fine Tuning of Chemo- and Stereo-selectivity in Cyclization Reactions of Tethered Radicals Derived from 4-*O*-Substituted- α -D-erythro-oct-2,6-dienopyranosides. Stereoselective Access to Carbocycles and Branched-chain Sugars**

J. Cristóbal López, Ana M. Gómez, Bert Fraser-Reid

Changes in R^1 , R^2 and X led to preferred (a),(b) or (b),(c) pathways.

1535 **A New Route to the Isoindole Nucleus via Furan–Pyrrole Ring-Exchange**

Mase Lee, Hiroyuki Moritomo, Ken Kanematsu

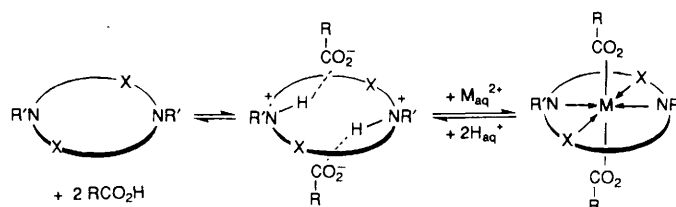
1537 **Fluoride Ion Catalysis in the Hydrolysis of Aryl Phosphates. Deactivating Effect of Lithium Counter Ion**

Fluoride ion accelerates the hydrolysis and increases the P–OAr bond selectivity, but for $\text{Z}^+ = \text{Li}^+$, a much weaker catalysis is observed.

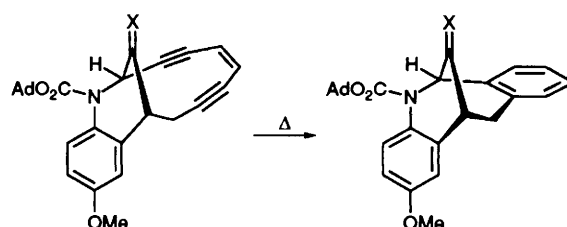
Marian Mentz, Agnes M. Modro, Tomasz A. Modro

1539 **On the Nature of the Host–Guest Interaction Between Cyclam and 4-*tert*-Butylbenzoic Acid—a System Pre-assembled for Metal Complex Formation**

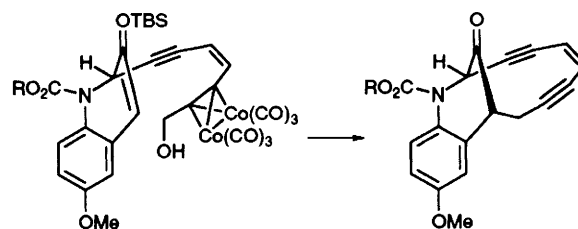
Kenneth R. Adam, Michael Antolovich, Ian M. Atkinson, Anthony J. Leong, Leonard F. Lindoy, Brian J. McCool, R. Lindsay Davis, Colin H. L. Kennard, P. A. Tasker

1541 **Relative Rates of Cycloaromatization of Dynamycin Azabicyclo[7.3.1]enediyne Core Structures. An Unusual Change in ΔS^\ddagger**

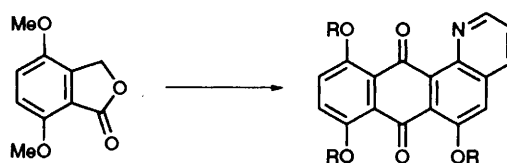
Philip Magnus, Robin A. Fairhurst

1543 **Short Synthesis of the Dynamycin Core Structure: Unusual Bridgehead Enolate Reactivity**

Philip Magnus, David Parry, Theodore Iliadis, Shane A. Eisenbeis, Robin A. Fairhurst

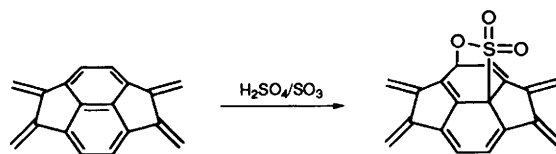
1545 **A Concise Synthesis of the Anthraquinone Portion of Dynamycin A**

Philip Magnus, Shane A. Eisenbeis, Nicholas A. Magnus

1547 **Mixed Inhibition of the Oxidoreductase Activity of Xanthine Oxidase by Pd^{2+} Ion**

The oxidoreductase activity of xanthine oxidase (XO) is 100% inhibited by Pd^{2+} ions. The inhibition is of a mixed type with both competitive and noncompetitive interactions of Pd^{2+} with XO (with respect to xanthine) being responsible. The results indicate that the binding affinity of Pd^{2+} to XO is higher for the competitive ($K_i = 42 \mu\text{mol dm}^{-3}$) than the noncompetitive interaction ($K_i = 350 \mu\text{mol dm}^{-3}$). This appears to be the first example of mixed inhibition of xanthine oxidase and also of the fact that Pd^{2+} can act as an inhibitor of the enzyme activity.

Apurba Kumar Sau, Madhu Sudan Mondal, Samaresh Mitra

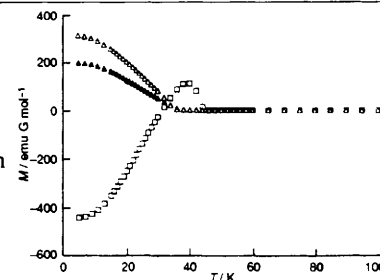
1549 Formation and Characterization of Polysulfonated C₆₀

Glen P. Miller, Mihai A. Buretea, Marcelino M. Bernardo, Chiang S. Hsu, Howard L. Fang

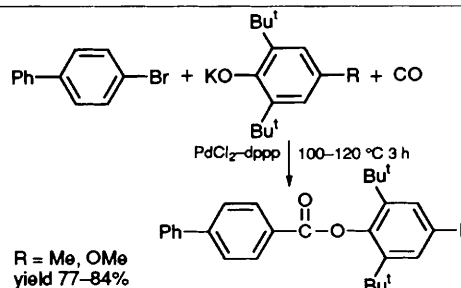
C₆₀ reacts with SO₃, either neat or in fuming sulfuric acid (FSA), to form a polysulfone, C₆₀(SO₃)_x. *x* is 5.2 for reaction in FSA.

1551 Molecular-based Mixed Valency Ferrimagnets (XR₄)-Fe^{II}Fe^{III}(C₂O₄)₃ (X = N, P; R = *n*-propyl, *n*-butyl, phenyl): Anomalous Negative Magnetisation in the Tetra-*n*-butylammonium Derivative

Of the ferrimagnets AFe^{II}Fe^{III}(C₂O₄)₃ (A = PPh₄ **1**, NPr₄ⁿ⁺ **2**, NBu₄ⁿ⁺ **3**) the magnetisation of **1** and **2** varies conventionally with temperature but that of **3** has a strongly negative region.



Corine Mathonière, Simon G. Carling, Dou Yusheng, Peter Day

1553 An Efficient Synthesis of 2,6-Di-*tert*-butylphenyl Esters by Palladium-catalysed Carbonylation of 4-Bromobiphenyl

Yoshihiro Kubota, Taka-aki Hanaoka, Kazuhiko Takeuchi, Yoshihiro Sugi

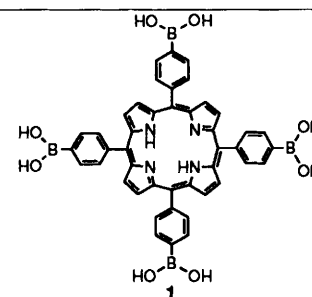
1555 *N,N*-Dialkylcarbamato Oligonuclear Complexes of Iron(II), Including [$\{\text{Fe}_4(\mu_4\text{-O})(\text{O}_2\text{CNPr}^i)_6\}_2$], the First Crystallographically Established Uncharged μ -Oxo Complex of Iron(II)

The reaction of anhydrous FeCl₂ with R₂NH and carbon dioxide yielded *N,N*-dialkylcarbamato complexes of iron(II), [$\{\text{Fe}(\text{O}_2\text{CNR}_2)_2\}_m$], *m* = 6, R = Et; controlled hydrolysis of the isopropyl derivative gave the title compound, the first crystallographically established uncharged μ -oxo compound of iron(II).

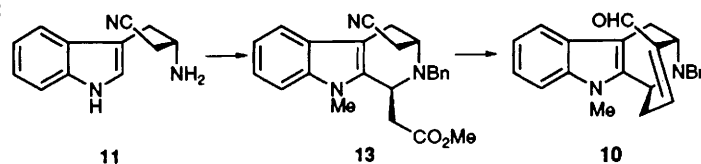
Daniela Belli Dell'Amico, Fausto Calderazzo, Luca Labella, Căcilia Maichle-Mössmer, Joachim Strähle

1557 Sugar-induced Chiral Orientation of a Boronic-acid-appended Porphyrin Stack. Correlation between the Absolute Configuration and the CD (Circular Dichroism) Sign

The development of artificial receptors which can precisely and specifically discriminate between guest molecules has become a very active area of endeavour. We have currently been interested in the development of new sugar recognition methods useful in an aqueous system.



Tomoyuki Imada, Hiroto Murakami, Seiji Shinkai

1559 A New Asymmetric Route to Bridged Indole Alkaloids: Formal Syntheses of (-)-Suaveoline, (-)-Raumacline and (-)-*N*^b-Methylraumacline

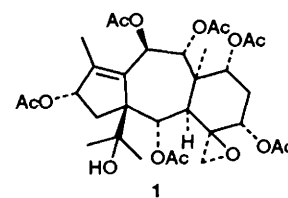
Patrick D. Bailey, Ian D. Collier, Sean P. Hollinshead, Madeleine H. Moore, Keith M. Morgan, David I. Smith, John M. Vernon

10 (e.e. >97%) was prepared in twelve steps from L-TRP via **11** and **13**.

1561 **Structure and Stereochemistry of Taxuchin A, a New 11(15→1) *Abeo*-Taxane Type Diterpene from *Taxus Chinensis***

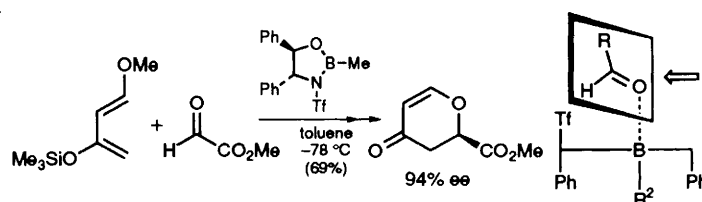
Shunxiang Zhang, Catherine Tung-Ling Lee, Ke Chen, Yoshiki Kashiwada, De-Cheng Zhang, Andrew T. McPhail, Kuo-Hsiung Lee

Taxuchin A, a new 11(15→1)*abeo*-taxane-type diterpene, has been isolated from the bark of *Taxus chinensis* and structurally characterised from its spectral data and by X-ray crystallographic analysis.



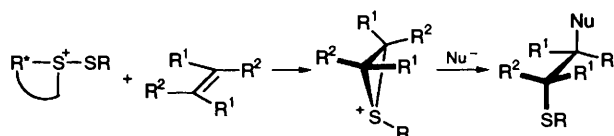
1563 **Asymmetric Catalysis of Diels–Alder Cycloaddition by a β -Amino Alcohol Derived Boron Complex: Reasonable Transition-state Assembly for One-directional Diene Approach**

Yukihiro Motoyama, Koichi Mikami



1565 **Enantiopure Thiosulfonium Salts in Asymmetric Synthesis. Face Selectivity in Electrophilic Additions to Unfunctionalised Olefins**

Vittorio Lucchini, Giorgio Modena, Lucia Pasquato

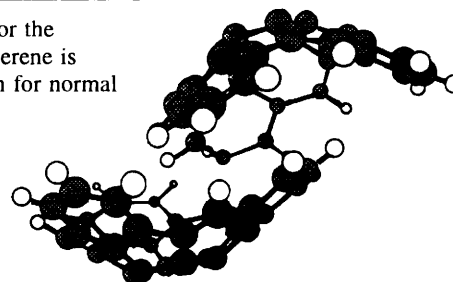


The enantioselective transfer of MeS^+ from *S*-methylthiodinaphtho[2,1-*c*:1',2'-*e*] [1,2]dithiinium hexachloroantimonate to *trans*-hex-3-ene allows the synthesis of doubly functionalised alkanes with e.e.s of up to 86%.

1567 **An SCF-MO Study of the Dimerisation Reaction of Hemifullerene ($\text{C}_{30}\text{H}_{12}$) to the Potential Fullerene Precursor $\text{C}_{60}\text{H}_{24}$**

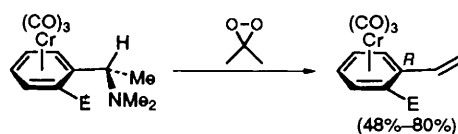
M. John Plater, Henry S. Rzepa, Stefan Stossel

The calculated barrier for the dimerisation of hemifullerene is significantly higher than for normal Diels–Alder reactions.



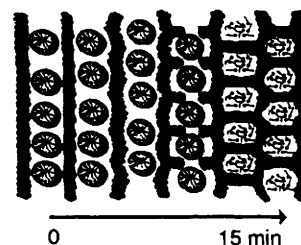
1569 **A Dimethyldioxirane-mediated Route to Enantiomerically Pure Tricarbonylchromium(0) Complexes of *ortho*-Substituted Styrenes**

Paul W. N. Christian, Richard Gil, Kilian Muñiz-Fernández, Susan E. Thomas, Adam T. Wierzchlejski



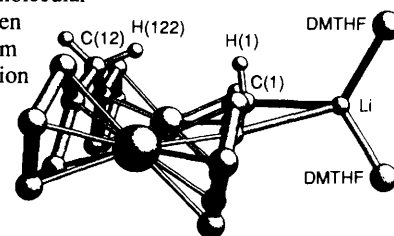
1571 **^{14}N NMR Study of Surfactant Mesophases in the Synthesis of Mesoporous Silicates**

Allan Steel, Stuart W. Carr, Michael W. Anderson



1573 **Crystal Structure of Ferrocenophanyllithium: Absence of an Intramolecular C–H···C Hydrogen Bond**

The previously inferred intramolecular [C(1)–H(122)–C(12)][–] hydrogen bond in ferrocenophanyllithium from ¹H NMR studies in solution is found to be absent in the solid state.



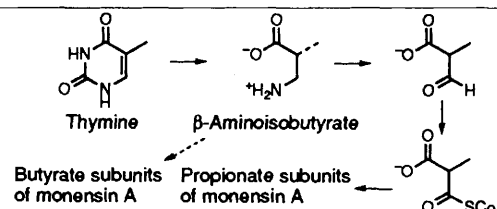
Per Ahlberg, Öjvind Davidsson, Göran Hilmersson, Martin Löwendahl, Mikael Håkansson

1575 **DNA–Porphyrin Interactions probed by Induced CD Spectroscopy**

Detailed analysis by induced CD spectroscopy has shown that the manganese porphyrin Mn(tmpyp) [tmpyp = tetrakis(1-*N*-methylpyridinio)porphyrin] binds the major groove of AT or GC as well as the minor groove of AT sequences in DNA, with a preference that depends on the porphyrin to DNA base-pair ratio. The porphyrin does not bind to the minor groove of homo- or hetero-GC DNA because of the presence of the 2-amino group of the G base, as confirmed by induced CD spectra titrated with poly(dI-dC)₂.

Reiko Kuroda, Hajime Tanaka

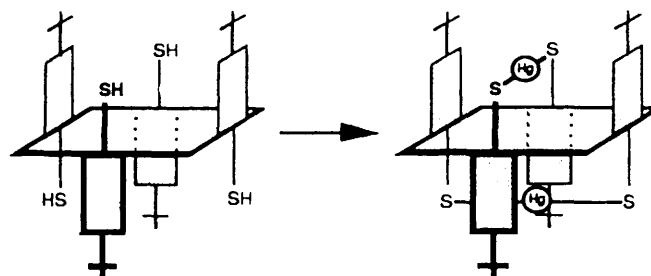
1577 **The Incorporation of Thymine and β-Aminoisobutyrate into the Polyether Antibiotic, Monensin-A**



David O'Hagan, Sarah V. Rogers, Kevin A. Reynolds, Gordon R. Duffin

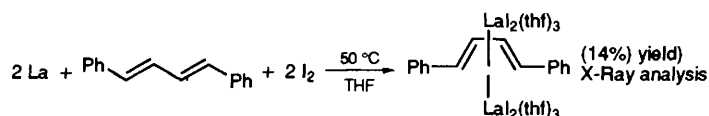
β-Aminoisobutyrate and thymine are efficiently incorporated into the seven propionate, and to a smaller extent the butyrate, derived Me groups in monensin-A.

1579 **Exoditopic Receptors I: Synthesis and Structural Studies on *p*-*tert*-Butyltetramercaptocalix[4]arene and its Mercury Complexes**



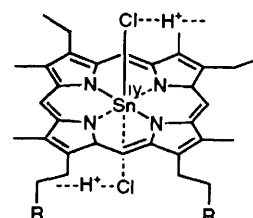
Xavier Delaigue, Jack McB. Harrowfield, Mir Wais Hosseini, André De Cian, Jean Fischer, Nathalie Kyritsakas

1581 **Diene Complex of Lanthanum: The Crystal Structure of a Diene-bridged Dilanthanum Complex, [LaI₂(thf)₃(μ-η⁴:η⁴-PhCH=CHCH=CHPh)LaI₂(thf)₃]**



Kazushi Mashima, Hiroyasu Sugiyama, Akira Nakamura

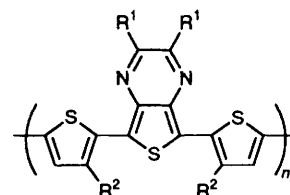
1583 **Micellar Fibres of Tin(IV) Porphyrins with Axial Hydrogen Chloride Ligands as Facial Head Groups**



Jürgen-Hinrich Fuhrhop, Uwe Bindig, Ulrich Siggel

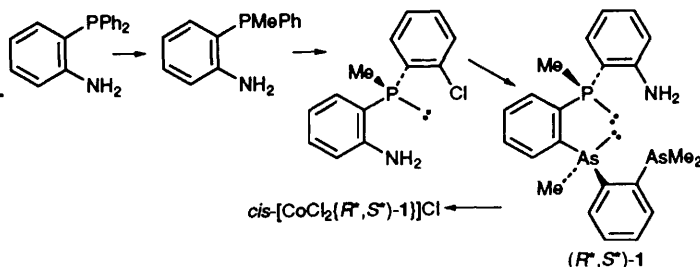
- 1585 **Synthesis of New Narrow Bandgap Polymers Based on 5,7-Di(2-thienyl)thieno[3,4-*b*]pyrazine and its Derivatives**

New narrow bandgap polymers with bandgaps of 1.0–1.5 eV have been synthesised from the title monomers.



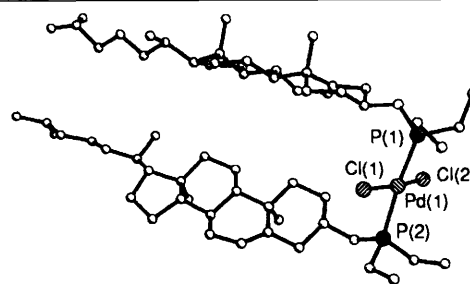
Chitoshi Kitamura, Shoji Tanaka, Yoshiro Yamashita

- 1587 **Completely Stereoselective Synthesis of a Chiral Quadridentate Ligand with As₂NP Donor Atoms. Crystal and Molecular Structure of [OC-6,35-(*R*^{*},*S*^{*})]-(±)-Dichloro{1-[(2-dimethylarsinophenyl)methylarsino]-2-[(2-aminophenyl)methylphosphino]-benzene-As, As', *N*, *P*} cobalt(III) Chloride Dihydrate**



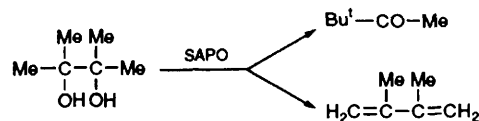
Roy J. Doyle, Geoffrey Salem, Anthony C. Willis

- 1589 **Platinum(II) and Palladium(II) Complexes of Cholesteryl Diphenyl- and Diethyl-phosphinite; the X-Ray Structure of Bis(cholesteryl diethylphosphinite)-dichloropalladium(II)**



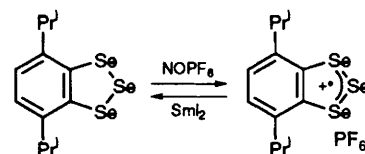
Philippe Berdagué, Jacques Courtieu, Harry Adams, Neil A. Bailey, Peter M. Maitlis

- 1591 **Pinacol Rearrangement on SAPO Molecular Sieves**



Fadhil A. Jabur, Vladimir J. Penchev, Cvetana P. Bezoukhanova

- 1593 **Preparation and Novel One-electron Redox Reactions of a New Stable 4,7-Diisopropylbenzo[1,2-*d*][1,2,3]-triselenole and its Radical Cation Salt**



Satoshi Ogawa, Takamasa Kikuchi, Shigeya Niizuma, Ryu Sato

Novel one-electron redox reactions of a triselenole and a trisenolium salt are reported.

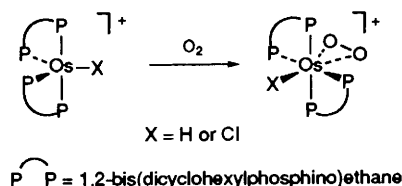
- 1595 **Novel Phosphonium-betaine Ligands [SC(H)PPh₃-C, S]⁻ and [S(H)C=C(PPh₃)S-S, S']⁻ Stabilised in Rhodacarborane Complexes**



The above may be stabilised in rhodacarborane complexes.

George Ferguson, John F. Gallagher, Michael C. Jennings, Siobhan Coughlan, Trevor R. Spalding, John D. Kennedy, Xavier L. R. Fontaine

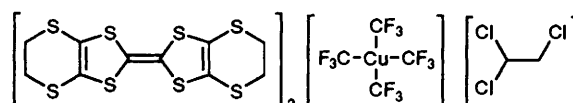
- 1597 **Dioxygen Addition to Five-Coordinate Osmium(II) Complexes. X-Ray Crystal Structure of [OsH(η^2 -O₂)(dcpe)₂]BPh₄ [dcpe = 1,2-Bis(dicyclohexylphosphino)ethane]**



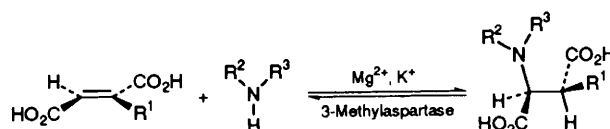
Antonio Mezzetti, Ennio Zangrando, Alessandro Del Zotto, Pierluigi Rigo

- 1599 **The First Organic Cation-radical Salt Superconductor ($T_c = 4$ K) with an Organometallic Anion: Superconductivity, Synthesis and Structure of κ_L -(BEDT-TTF)₂Cu(CF₃)₄·TCE**

John A. Schlueter, Urs Geiser, Jack M. Williams, H. Hau Wang, Wai-Kwong Kwok, John A. Fendrich, K. Douglas Carlson, Crystal A. Achenbach, James D. Dudek, Dieter Naumann, Thomas Roy, J. E. Schirber, W. R. Bayless

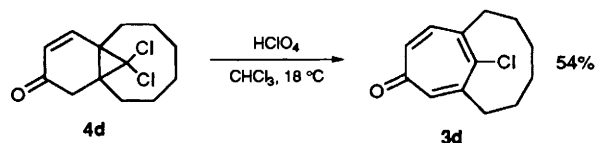


- 1601 **Enantiospecific Conjugate Addition of *N*-Nucleophiles to Substituted Fumaric Acids using Methylaspartase**



M. Saeed Gulzar, Mahmoud Akhtar, David Gani

- 1603 **Synthesis and Spectroscopic Characterisation of 4-Chloro-[6](3,5)-Troponophane**

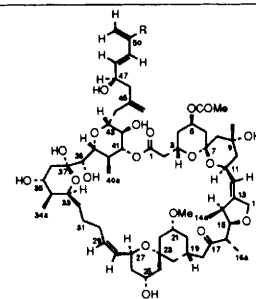


Martin G. Banwell, John H. Ryan

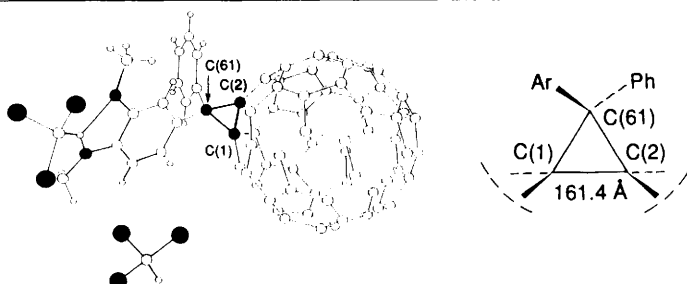
- 1605 **Antineoplastic Agents 300. Isolation and Structure of the Rare Human Cancer Inhibitory Macrocyclic Lactones Spongistatins 8 and 9**

R = H Spongistatin 8
R = Cl Spongistatin 9

George R. Pettit, Zbigniew A. Cichacz, Cherry L. Herald, Feng Gao, Michael R. Boyd, Jean M. Schmidt, Ernest Hamel, Ruoli Bai



- 1607 **First X-Ray Determination of Cyclopropane Structure in Methanofullerenes**



Jens Osterodt, Martin Nieger, Fritz Vögtle

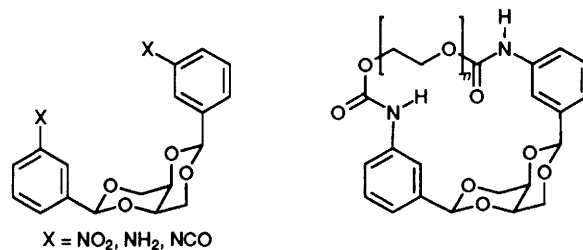
1609 Partial Oxidation of Methane Over Silica Catalysts Promoted by 3d Transition Metal Ions

Addition of a very small amount of 3d transition metal ions ($M/Si = 0.05$ atom%, $M = Fe, Mn, Cu$ etc.) can enhance the catalytic activity of silica for the formation of formaldehyde in the partial oxidation of methane by oxygen. The promotion effect is most appreciable in Fe-impregnated silica which gives a ten-fold increase in formaldehyde formation, although $\alpha\text{-Fe}_2\text{O}_3$ catalyses the complete oxidation of methane.

Tetsuhiko Kobayashi, Koji Nakagawa, Kenji Tabata, Masatake Haruta

1611 New Macromolecular Host Systems. Preparation and Structure of Certain Functionalized 2,6-Diaryl-*cis*-1,3,5,7-Tetraoxadecalin Podand Compounds and Macro-*m*-cyclophanes

Sarah Abramson, Eli Ashkenazi, Israel Goldberg, Moshe Greenwald, Harald Jatzke, Michaela Vardi, Sarah Weinman, Benzion Fuchs

**1613 Thermally Induced Acoustic Emission from Polycrystalline Buckminsterfullerene**

Acoustic emission activity has been detected in C_{60} polycrystals at 260 K and at 190–200 K by cooling and heating the crystals in the 180–300 K temperature range. The main acoustic activity is considered to be related to the fcc–sc phase transition in the polycrystalline material.

Tibor Braun, Péter Berényi, András Illényi, Sabirdjan Sakiev

1615 Weak Binding of Erythromycin Analogues to Bacterial Ribosomes: A ¹H NMR Study

Weak binding of a number of erythromycin analogues to bacterial ribosomes has been monitored by ¹H NMR methods; transferred NOE data have been shown to correlate with bacterial activity.

Richard J. Brennan, Abida Awan, Jill Barber, Eric Hunt, Karen L. Kennedy, Shahireh Sadegholnejat

AUTHOR INDEX

- Abramson, Sarah, 1611
 Achenbach, Crystal A., 1599
 Adam, Kenneth R., 1539
 Adams, Harry, 1589
 Ahlberg, Per, 1573
 Akhtar, Mahmoud, 1601
 Anderson, Michael W., 1571
 Andrews, Lester, 1523
 Antolovich, Michael, 1539
 Ashkenazi, Eli, 1611
 Ashtekar, S., 1527
 Atkinson, Ian M., 1539
 Awan, Abida, 1615
 Bai, Ruoli, 1605
 Bailey, Neil A., 1589
 Bailey, Patrick D., 1559
 Banwell, Martin G., 1603
 Barber, Jill, 1615
 Barton, Lawrence, 1531
 Bayless, W. R., 1599
 Belli Dell'Amico, Daniela, 1555
 Berdagué, Philippe, 1589
 Berényi, Péter, 1613
 Bergamini, Fabrizio, 1517
 Bernardo, Marcelino M., 1549
 Bezoukhanova, Cvetana P., 1591
 Bindig, Uwe, 1583
 Boyd, Michael R., 1605
 Brammer, Lee, 1531
 Braun, Tibor, 1613
 Brennan, Richard J., 1615
 Buretea, Mihai A., 1549
 Calderazzo, Fausto, 1555
 Carling, Simon G., 1551
 Carlson, K. Douglas, 1599
 Carr, Stuart W., 1571
 Chakrabarty, D. K., 1527
 Chen, Ke, 1561
 Christian, Paul W. N., 1569
 Cian, André De, 1579
 Cichacz, Zbigniew A., 1605
 Citterio, Attilio, 1517
 Collier, Ian D., 1559
 Coughlan, Siobhan, 1595
 Courtieu, Jacques, 1589
 Davidsson, Öjvind, 1573
 Davis, R. Lindsay, 1539
 Day, Peter, 1551
 Del Zotto, Alessandro, 1597
 Delaiguc, Xavier, 1579
 Doyle, Roy J., 1587
 Dudek, James D., 1599
 Duffin, Gordon R., 1577
 Eisenbeis, Shane A., 1543, 1545
 Fairhurst, Robin A., 1541, 1543
 Fang, Hong, 1531
 Fang, Howard L., 1549
 Fendrich, John A., 1599
 Ferguson, George, 1595
 Fernández-Lázaro, Fernando, 1525
 Fischer, Jean, 1579
 Fontaine, Xavier L. R., 1595
 Fraser-Reid, Bert, 1533
 Fuchs, Benzion, 1611
 Fuhrhop, Jürgen-Hinrich, 1583
 Furuse, Syun-ichirou, 1529
 Gallagher, John F., 1595
 Gani, David, 1601
 Gao, Feng, 1605
 Geiser, Urs, 1599
 Gil, Richard, 1569
 Goldberg, Israel, 1611
 Gómez, Ana M., 1533
 Greenwald, Moshe, 1611
 Groves, Patrick, 1519
 Gulzar, M. Saeed, 1601
 Hamel, Ernest, 1605
 Hanaoka, Taka-aki, 1553
 Harrowfield, Jack McB., 1579
 Haruta, Masatake, 1609
 Hassanzadch, Parviz, 1523
 Herald, Cherry L., 1605
 Hilmersson, Göran, 1573
 Håkansson, Mikael, 1573
 Hollinshead, Sean P., 1559
 Hosseini, Mir Wais, 1579
 Hsu, Chiang S., 1549
 Hunt, Eric, 1615
 Iliadis, Theodore, 1543
 Illényi, András, 1613
 Imada, Tomoyuki, 1557
 Ishii, Rieko, 1521
 Iwata, Chuzo, 1529
 Jabur, Fadhil A., 1591
 Jatzke, Harald, 1611
 Jennings, Michael C., 1595
 Kanematsu, Ken, 1535
 Kashiwada, Yoshiki, 1561
 Kawazura, Hiroshi, 1521
 Kennard, Colin H. L., 1539
 Kennedy, John D., 1595
 Kennedy, Karen L., 1615
 Kikuchi, Takamasa, 1593
 Kitamura, Chitoshi, 1585
 Kobayashi, Tetsuhiko, 1609
 Koike, Hiroki, 1529
 Kubota, Yoshihiro, 1553
 Kuroda, Reiko, 1575
 Kwok, Wai-Kwong, 1599
 Kyritsakas, Nathalie, 1579
 Labella, Luca, 1555
 Lee, Catherine Tung-Ling, 1561
 Lee, Kuo-Hsiung, 1561
 Lee, Mase, 1535
 Leong, Anthony J., 1539
 Lindoy, Leonard F., 1539
 López, J. Cristóbal, 1533
 Löwendahl, Martin, 1573
 Lucchini, Vittorio, 1565
 McCool, Brian J., 1539
 McPhail, Andrew T., 1561
 Magnus, Nicholas A., 1545
 Magnus, Philip, 1541, 1543, 1545
 Maichle-Mössmer, Cécilia, 1555
 Maitlis, Peter M., 1589
 Maronati, Antonietta, 1517
 Mashima, Kazushi, 1581
 Mathonière, Corine, 1551
 Mentz, Marian, 1537
 Mezzetti, Antonio, 1597
 Mikami, Koichi, 1563
 Miller, Glen P., 1549
 Mitra, Samaresh, 1547
 Modena, Giorgio, 1565
 Modro, Agnes M., 1537
 Modro, Tomasz A., 1537
 Mondal, Madhu Sudan, 1547
 Moore, Madeleine H., 1559
 Morgan, Keith M., 1559
 Moritomo, Hiroyuki, 1535
 Motoyama, Yukihiko, 1563
 Muñoz-Fernández, Kilian, 1569
 Murakami, Hiroto, 1557
 Nakagawa, Hiroko, 1521
 Nakagawa, Koji, 1609
 Nakamura, Akira, 1581
 Naumann, Dieter, 1599
 Nieger, Martin, 1607
 Niizuma, Shigeya, 1593
 Ogawa, Satoshi, 1593
 O'Hagan, David, 1577
 Ohra, Taiichi, 1529
 Osterodt, Jens, 1607
 Parry, David, 1543
 Pasquato, Lucia, 1565
 Penchev, Vladimir J., 1591
 Pettit, George R., 1605
 Plater, M. John, 1567
 Prakash, A. M., 1527
 Reynolds, Kevin A., 1577
 Rigo, Pierluigi, 1597
 Rogers, Sarah V., 1577
 Roy, Thomas, 1599
 Ryan, John H., 1603
 Rzepa, Henry S., 1567
 Sadegholnejat, Shahirch, 1615
 Sakiev, Sabirdjan, 1613
 Salem, Geoffrey, 1587
 Santi, Roberto, 1517
 Sastre, Angela, 1525
 Sato, Ryu, 1593
 Satyanarayana, C. V. V., 1527
 Sau, Apurba Kumar, 1547
 Schirber, J. E., 1599
 Schlueter, John A., 1599
 Schmidt, Jean M., 1605
 Searle, Mark S., 1519
 Sebastiano, Roberto, 1517
 Shinkai, Seiji, 1557
 Siggel, Ulrich, 1583
 Smith, David I., 1559
 Spalding, Trevor R., 1595
 Steel, Allan, 1571
 Stossel, Stefan, 1567
 Strähle, Joachim, 1555
 Sugi, Yoshihiro, 1553
 Sugiyama, Hiroyasu, 1581
 Tabata, Kenji, 1609
 Takemoto, Yoshiji, 1529
 Takeuchi, Kazuhiko, 1553
 Tanaka, Hajime, 1575
 Tanaka, Shoji, 1585
 Tasker, P. A., 1539
 Thomas, Susan E., 1569
 Torres, Tomas, 1525
 Vardi, Michaela, 1611
 Vernon, John M., 1559
 Vögtle, Fritz, 1607
 Wang, H. Hau, 1599
 Weinman, Sarah, 1611
 Westwell, Martin S., 1519
 Wierzchlejski, Adam T., 1569
 Williams, Dudley H., 1519
 Williams, Jack M., 1599
 Willis, Anthony C., 1587
 Yamada, Koh-ichi, 1521
 Yamashita, Yoshiro, 1585
 Yusheng, Dou, 1551
 Zangrando, Ennio, 1597
 Zhang, De-Cheng, 1561
 Zhang, Shunxiang, 1561
 Zhao, Dong, 1531