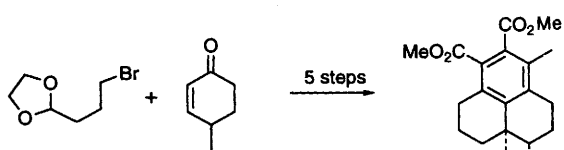


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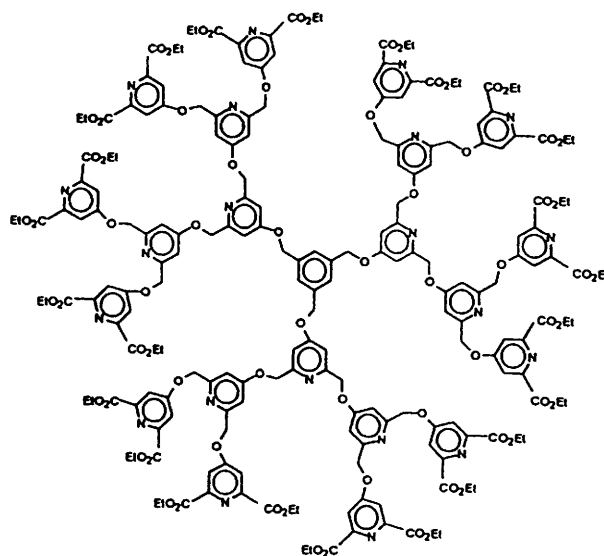
## 303 Synthetic studies towards pseudopterosin A



Lars Eklund, Ian Sarvary and Torbjörn Frejd

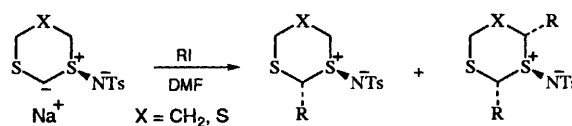
The hydrophenalene structure **8**, a potential precursor for the synthesis of the anti-inflammatory pseudopterosins, has been prepared in 5 steps starting from easily available starting materials

## 307 Synthesis of dendritic polypyridines with ethoxycarbonyl groups as surface functionality



Gavino Chessa and Alberto Scrivanti

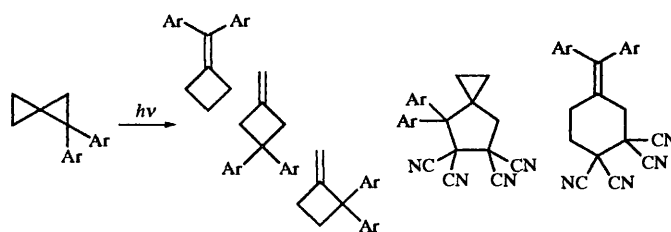
## 313 The potential of sulfimides as chiral acyl anion equivalents



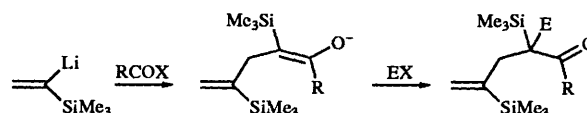
Gareth Smith, Tim J. Sparey and Paul C. Taylor

## 319 Photoinduced skeletal rearrangement of 1,1-diarylspiropentanes

Yasutake Takahashi, Hitoshi Ohaku, Shin-ichi Morishima, Takanori Suzuki, Hiroshi Ikeda and Tsutomu Miyashi

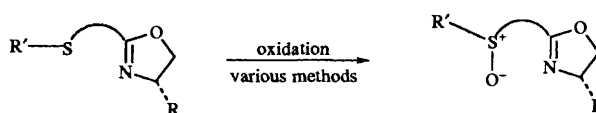
327 Reactions of  $\alpha$ -trimethylsilylvinyl carbanions with carboxylic acid derivatives: the relationship between product distribution and substrate reactivity

Alan R. Bassindale, Ibrahim Katampe, Patricia A. Kyle and Peter G. Taylor



## 333 Diastereoselective conversion of sulfides into sulfoxides. 1,5- and 1,6-Asymmetric induction

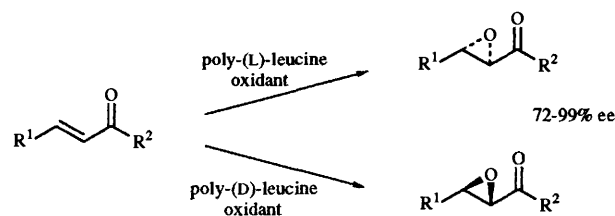
Justin F. Bower, Christopher J. Martin, David J. Rawson, Alexandra M. Z. Slawin and Jonathan M. J. Williams



The diastereoselective oxidation of sulfides tethered to chiral dihydrooxazoles proceeds in a highly diastereoselective manner with the correct choice of substrate and oxidising conditions

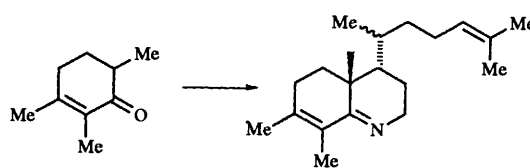
## 343 Development of the Juliá asymmetric epoxidation reaction. Part I. Application of the oxidation to enones other than chalcones

M. Elena Lasterra-Sánchez, Ulfried Felfer, Patrick Mayon, Stanley M. Roberts, Steven R. Thornton and Christine J. Todd

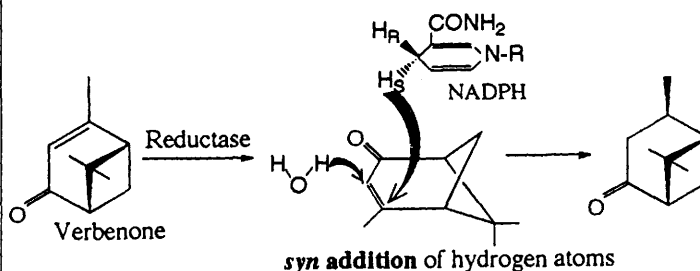


## 349 Synthesis of C-D-ring analogues of the azasteroid A25822

Andrew J. Sutherland, James K. Sutherland and Patrick J. Crowley

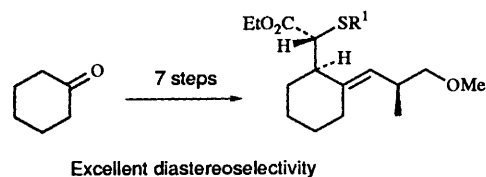
355 Novel reductase participation in the *syn*-addition of hydrogen to the C=C bond of enones in the cultured cells of *Nicotiana tabacum*

Kei Shimoda, Diana I. Ito, Shunsuke Izumi and Toshifumi Hirata



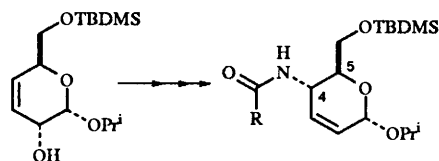
- 359 **Stereocontrolled synthesis of *E*-homoallylic sulfides with 1,4,5 related chiral centres using the [2,3] sigmatropic rearrangement of sulfonium ylides**

Richard C. Hartley, Ian C. Richards and Stuart Warren



- 377 **Synthesis of nitrogen-containing unsaturated carbohydrates *via* an allyl cyanate-to-isocyanate rearrangement**

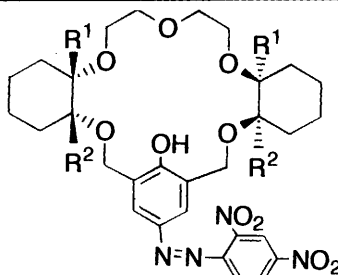
Yoshiyasu Ichikawa, Chie Kobayashi and Minoru Isobe



Synthesis of nitrogen-containing unsaturated carbohydrates has been developed using an allyl cyanate-to-isocyanate rearrangement

- 383 **Preparation and enantiomer recognition behaviour of azophenolic crown ethers containing *cis*-1-phenylcyclohexane-1,2-diol as the chiral subunit and 2,4-dinitrophenylazophenol as the chromophore**

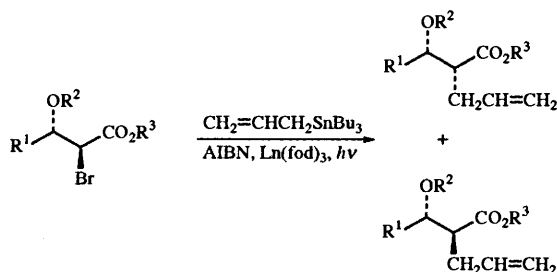
Koichiro Naemura, Koji Ueno, Sachiko Takeuchi, Keiji Hirose, Yoshito Tobe, Takahiro Kaneda and Yoshiteru Sakata



Both enantiomers of chiral azophenolic crown ethers **1** ( $R^1 = \text{Ph}$ ,  $R^2 = \text{H}$ ) and **2** ( $R^1 = \text{H}$ ,  $R^2 = \text{Ph}$ ) were prepared and the enantiomer recognition coloration in complexation was examined

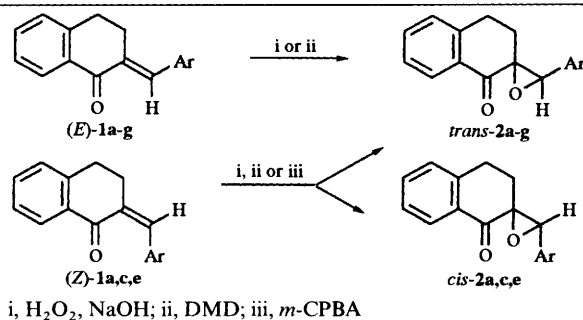
- 389 **Stereocontrol in radical-mediated allylation of acyclic  $\alpha$ -bromo- $\beta$ -siloxy esters by complexation with lanthanide shift reagents  $\text{Ln}(\text{fod})_3$**

Hajime Nagano, Yukie Kuno, Yuriko Omori and Mayumi Iguchi



- 395 **Synthesis and stereochemistry of the epoxides of 2-arylmethylidene-1-tetralones**

Waldemar Adam, Judit Halász, Zsigmond Jám bor, Albert Lévai, Csaba Nemes, Tamás Patony and Gábor Tóth



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

## Forthcoming Articles in *Perkin Transactions 1*

Synthesis of chiral bicyclo[2.2.2]oct-5-en-2-ones *via* an intramolecular alkylation reaction

**A. Srikrishna, G.V.R. Sharma and S. Daniello**

Self-addition products from the alkylation of amino acid-derived oxazolidinones: X-ray molecular structures of (2*R*,4*S*,1'*S*)-3-benzoyl-4-[(1'-benzoylamino)benzyl]-4-benzyl-2-phenyl-1,3-oxazolidin-5-one, (2*R*,4*S*,1'*S*)- and (2*R*,4*S*,1'*R*)-3-benzoyl-4-[(1'-benzoylamino)benzyl]-4-methylethyl-2-phenyl-1,3-oxazolidin-5-one **A.D. Abell, J.M. Taylor and M.D. Oldham**

Co-cyclizations of nitrogen-containing acetylenes induced by a nickel-triphenylphosphine complex to give aminoindane, isoindoline and isoindolinone derivatives **E.H. Smith, D.M. Duckworth, S. Lee-Wong, A. Slawin and D.J. Williams**

Cyclo(-arginyl-sarcosyl-aspartyl-phenylglycyl-). Facile synthesis of an RGD-like peptide with the inhibitory activity for the Platelet aggregation **T. Arai, N. Nishino, J. Hayashida, H. Mihara, Y. Ueno and H. Kumgai**

Synthesis of 15,15-dialkylestradiols **J.R. Bull and M.C. Loedolff**

Formation of spiroindene derivatives from hydroxy lactams derived from *N*-(1-phenylethyl)-phthalimide and -pyridine-2,3-dicarboximide **J.M. Vernon and A.A. Bahajaj**

Synthesis and stereostructure-activity relationship of a synthetic pyrethroid, 2-chloro-1-methyl-3-phenylcyclopropylmethyl 3-phenoxybenzyl ether **Y. Nishii, K.-I. Wakimura, T. Tsuchiya, S. Nakamura and Y. Tanabe**

Synthesis of 4-phosphazenylypyrrolid-2-ones and 5-phosphazenylypyrid-2-ones from  $\beta$ -[(*N*-acyl)phosphazenyly]enamines and dimethyl acetylenedicarboxylate **E. Pelaez-Arango and F. Lopez-Ortiz**

A new convergent method for porphyrin synthesis based on a "3 + 1" condensation **A. Boudif and M. Momenteau**

Direct and enantioselective *ortho*-benzylation of phenols by the Mitsunobu reaction

**S. Fukumoto, S. Fukushi, S. Terao and M. Shiraishi**

Photoreaction of homobenzoquinones with amine donors **H. Moriwaki, T. Matsumoto, T. Nagai and T. Oshima**

Solid-phase assembly of backbone amide-protected peptide segments: an efficient and reliable strategy for the synthesis of small proteins **M. Quibell, L. C. Packman and T. Johnson**

Identification of coupling conditions proceeding with low C-terminal epimerization during the assembly of fully protected backbone substituted peptide segments **M. Quibell, L.C. Packman and T. Johnson**

The 4-azidobenzoyloxycarbonyl function; application as a novel protecting group and potential prodrug modification for amines **R.J. Griffin, E. Evers, R. Davison, A.E. Gibson, D. Layton and W.J. Irwin**

Cyclopropanation of tricarbonyl(styrene)chromium (0) and (-)-Ar(1*R*,2*S*)-tricarbonyl[2-(trimethylsilyl)styrene]chromium(0) **S.E. Gibson, R. Gil, F. Prechil, A.J.P. White and D.J. Williams**

Zinc(II)-catalysed transformation of epoxides to aziridines **D. Kuhnau, I. Thomsen and K.A. Jorgensen**

Efficient syntheses of core 1, core 2, core 3 and core 4 building blocks for SPPS of mucin *O*-glycopeptides based on the *N*-Dts-method **E. Meinjohanns, M. Meldal, A. Schleyer, H. Paulsen and K. Bock**

Dienophilic thioaldehydes and dithioesters formed by base-catalysed cleavage of alkyl phthalimidodisulfanylacetates

**G.W. Kirby, A.W. Lothead and S. Williamson**

Stereoselective total synthesis of (-)-pumiliotoxin C *via* an aqueous intramolecular acylnitroso Diels-Alder approach

**M. Naruse, S. Aoyagi and C. Kibayashi**

Solid-phase synthesis of thymosin  $\beta$ 10 using a *p*-cyano trityl resin. Chemical characterization and immunochemical control of the synthetic peptide

**L. Leondiadis, I. Vassiliadou, C. Zikos, N. Ferderigos, E. Livaniou, D.S. Ithakissios and G.P. Evangelatos**

