

JOURNAL OF THE CHEMICAL SOCIETY

**Perkin Transactions 1**

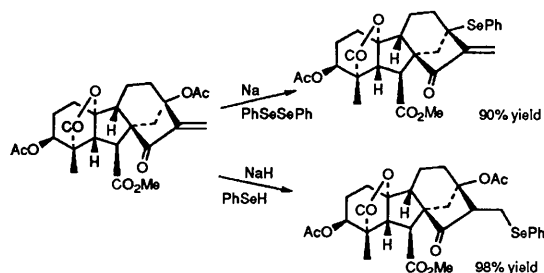
Organic and Bio-organic Chemistry

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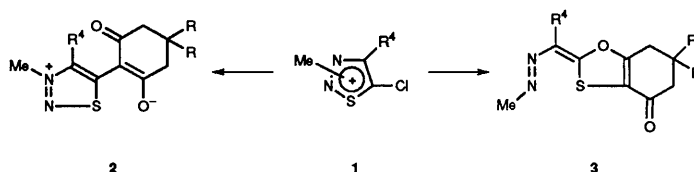
## Perkin Communications

**3047 Anomalous reactivity of sodium phenyl selenide**

Polly A. Harrison, Lorraine Murtagh and Christine L. Willis

**3051 Reactions of methylated 5-chloro-1,2,3-thiadiazolium salts with cyclohexane-1,3-diones: X-Ray crystal structure analysis of the thiapentalenic products**

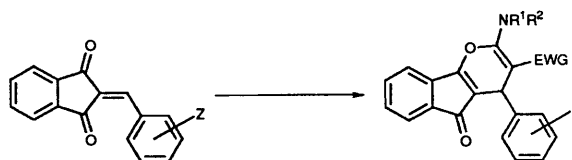
Gerrit L'abbé, Lieve Bastin, Dominique Vlieghe and Luc Van Meervelt



Mesoionic 1,2,3-thiadiazoles **2** with short S...O contacts and oxathiole derivatives **3** with short S...N contacts have been obtained from thiadiazolium salts **1** with cyclohexane-1,3-diones

**Articles****3055 Use of functionalised ynamines in a hetero-Diels-Alder approach to dihydronaphtho[1,2-*b*]pyrans and indeno[1,2-*b*]pyrans**

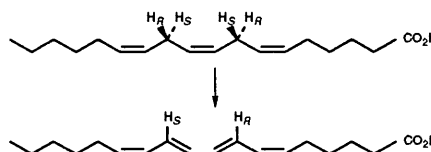
Jason Bloxham and Colin P. Dell



## 3061 Facile aromatisation of abscisic acid

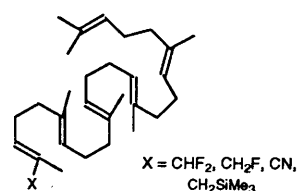


Michael H. Beale, Anqi Chen, Polly A. Harrison and Christine L. Willis

3065 Oxidation of octadecatrienoic acids in the red alga *Lithothamnion corallioides*: structural and stereochemical studies of conjugated tetraene fatty acids and bis allylic hydroxy acids

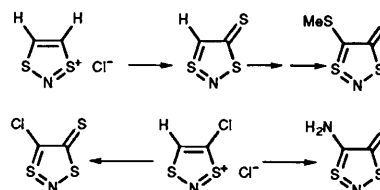
Mats Hamberg

## 3073 Synthesis of analogues of squalene as potential anti-fungal agents

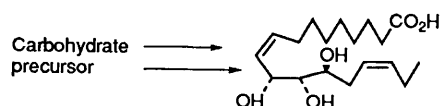


Albert Duriati, Michel Jung, John Mann and Garrick P. Smith

## 3077 Organic heterocyclthiazenes. Part 18. 1,3,2-Dithiazolium salts and 1,3,2-dithiazolethiones

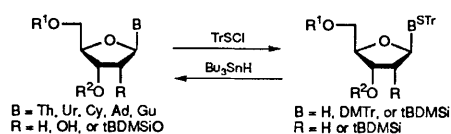


Michael A. Gray and Charles W. Rees

3081 Formal syntheses of hepoxilin B<sub>3</sub>, trioxilin B<sub>3</sub> and substances effective against rice blast disease and total synthesis of 11(*R*),12(*S*),13(*S*)-trihydroxyoctadeca-9(*Z*),15(*Z*)-dienoic acid

and related compounds

Wen-Lian Wu and Yu-Lin Wu

3087 Synthesis and properties of *N*-tritylthio nucleoside derivatives and reductive removal of the tritylthio group by use of tributyltin hydride and tris(trimethylsilyl)silane

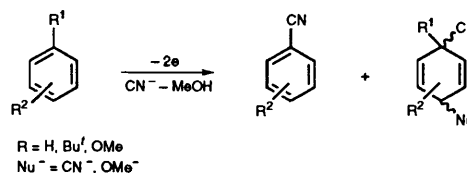
B = Th, Ur, Cy, Ad, Gu  
R = H, OH, or tBDMSiO  
B = H, DMTr, or tBDMSi  
R = H or tBDMSi

Selective *N*-tritylthiolation of nucleosides has been studied

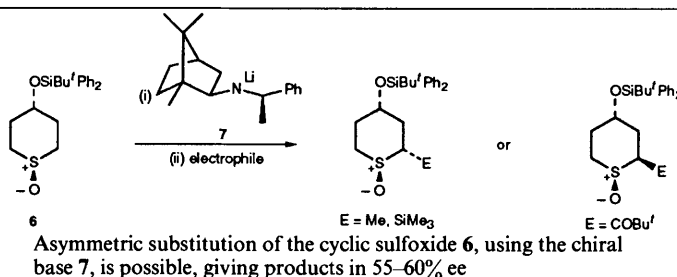
Mitsuo Sekine and Kohji Seio

3095 **Anodic cyanation of *tert*-butylated anisoles: competitive aromatic additions and substitutions**

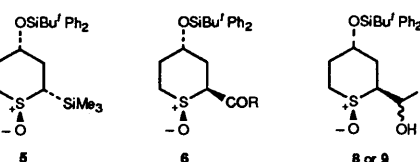
Kunihisa Yoshida, Kazusada Takeda and Takayuki Fueno

3099 **Application of homochiral lithium amide base chemistry to a thiane oxide system**

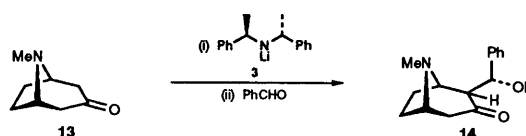
Richard Armer, Michael J. Begley, Paul J. Cox, Andrew Persad and Nigel S. Simpkins

3105 **Stereoselective synthesis using a thiane oxide system as a disposable template**

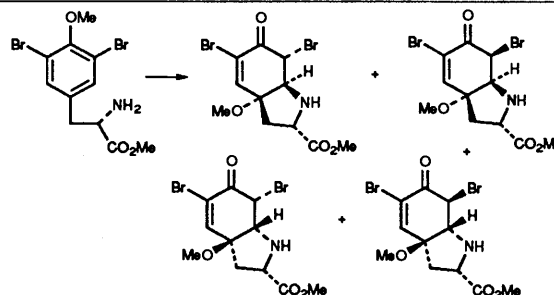
Richard Armer, Michael J. Begley, Paul J. Cox, Andrew Persad and Nigel S. Simpkins

The stereoselective synthesis of a range of thiane oxides, including **5**, **6**, **8** and **9**, is described, along with subsequent desulfinylation or ring-opening reactions3113 **The effect of added salts on enantioselective transformations of cyclic ketones by chiral lithium amide bases**

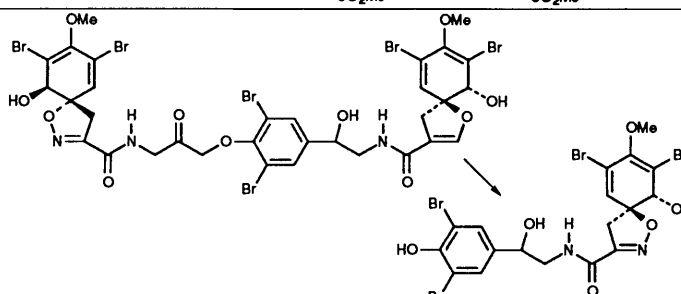
Barry J. Bunn, Nigel S. Simpkins, Zoé Spavold and Michael J. Crimmin

The enantiomeric excess achieved in asymmetric enolisations, such as in the conversion of **13** into **14** using base **3**, is improved if the reaction is conducted in the presence of LiCl or ZnCl<sub>2</sub>3117 **Anodic oxidation of 3,5-dihalogenotyrosines as a model reaction for the biogenesis of the cavernicolins, metabolites of the verongid sponge *Aplysina cavernicola***

Marino Cavazza, Graziano Guella, Lamberto Nucci, Francesco Pergola, Nicola Bicchierini and Francesco Pietra

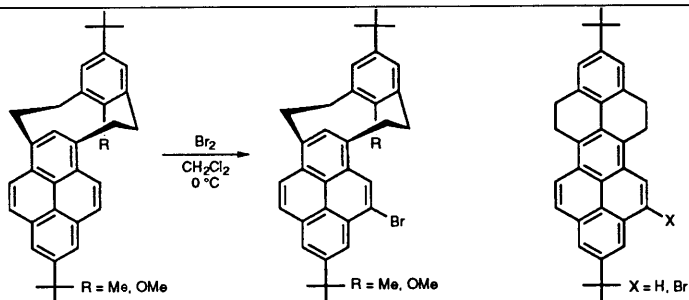
3121 **Hemifistularin 3: a degraded peptide or biogenetic precursor? Isolation from a sponge of the order Verongida from the Coral Sea or generation from base treatment of 11-oxofistularin 3**

Ines Mancini, Graziano Guella, Pierre Laboute, Cécile Debitus and Francesco Pietra



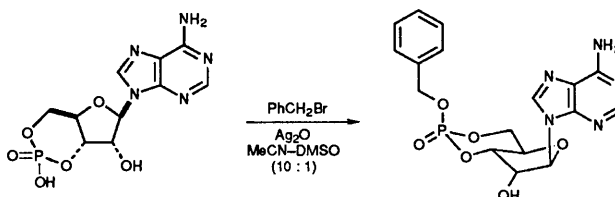
3127 **Medium-sized cyclophanes. Part 31. Synthesis and electrophilic substitution of 8-substituted [2]metacyclo[2](1,3)pyrenophanes**

Takehiko Yamato, Akira Miyazawa and Masashi Tashiro



3139 **Direct esterification of phosphates with various halides and its application to synthesis of cAMP alkyl triesters**

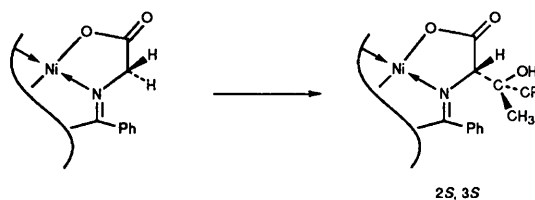
Toshiaki Furuta, Hiromi Torigai, Tomoko Osawa and Michiko Iwamura



A direct alkylation of phosphates with alkyl halides has been achieved using silver(I) oxide

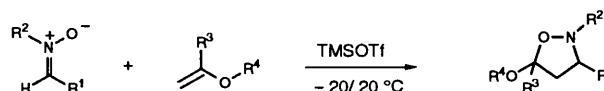
3143 **General method for the synthesis of enantiomerically pure  $\beta$ -hydroxy- $\alpha$ -amino acids, containing fluorine atoms in the side chains. Case of stereochemical distinction between methyl and trifluoromethyl groups. X-Ray crystal and molecular structure of the nickel(II) complex of (2*S*,3*S*)-2-(trifluoromethyl)threonine**

Vadim A. Soloshonok, Valeri P. Kukhar', Sergei V. Galushko, Nataly Yu. Svistunova, Dimitri V. Avilov, Nadia A. Kuz'mina, Nicolai I. Raevski, Yuri T. Struchkov, Alexander P. Pysarevsky and Yuri N. Belokon'



3157 **Trimethylsilyl trifluoromethanesulfonate-promoted cycloaddition of nitrones with silyl enol ethers: synthesis and reactivity of 5-siloxyisoxazolidines**

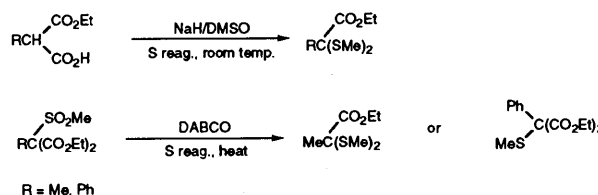
Chiara Camiletti, Dilip D. Dhavale, Luca Gentilucci and Claudio Trombini



The synthesis of 5-siloxyisoxazolidines together with their chemoselective reductions and TMSOTf-mediated cross-coupling reactions with silylated nucleophiles are reported

3167 **New decarboxylation, de-ethoxycarbonylation and desulfonation, followed by sulfenylation of some half-esters of malonic acids and  $\alpha$ -sulfonylmalonic esters**

Blanka Wladislaw, Liliana Marzorati and Claudio L. Donnici



- 3171 **Regioselective free radical cyclisation: a general method for the synthesis of the spiro[4.4]nonane system of fredericamycin A**

A. V. Rama Rao, Ashok K. Singh, Komandla Malla Reddy and Krishnan Ravikumar



## Corrigenda

- 3177 **Reactions of *N*-cinnamoylaziridines by generation of aziridino ketyls from homolytic cleavage of Michael adducts**  
Gunther Bentz, Jürgen Werry and Helmut Stamm
- 3177 **Catalytic enantio- and diastereo-selective addition of diethylzinc to racemic  $\alpha$ -thio- and  $\alpha$ -seleno-aldehydes: asymmetric synthesis of optically active vicinal thio- and seleno-alcohols** Makoto Watanabe, Mineo Komota, Masamichi Nishimura, Shuki Araki and Yasuo Butsugan

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