

JOURNAL OF THE CHEMICAL SOCIETY

Perkin Transactions 1

Organic and Bio-organic Chemistry

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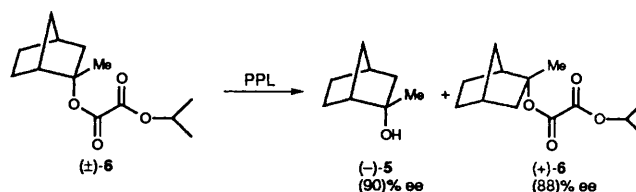
Perkin Communications

- 1091 **Application of an intramolecular Michaelis–Arbusov reaction to the synthesis of nucleoside 3'-S,5'-O-cyclic phosphorothiolate triesters**

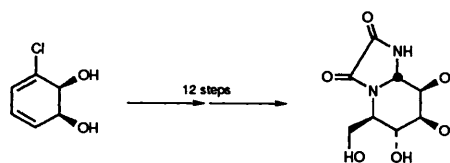


Xiang Li and Richard Cosstick

- 1093 **Enzymatic resolution of oxalate esters of a tertiary alcohol using porcine pancreatic lipase**

Ian Brackenridge, Raymond McCague,
Stanley M. Roberts and Nicholas J. Turner

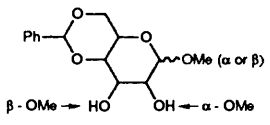
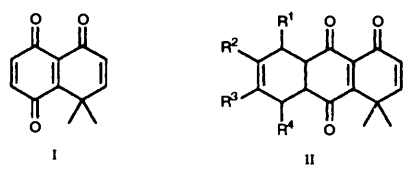
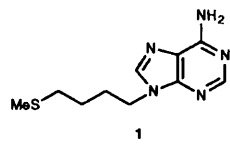
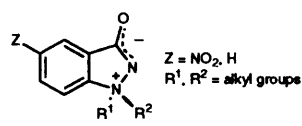
- 1095 **Total synthesis of (+)-kifunensine, a potent glycosidase inhibitor**

From chlorobenzene using
Pseudomonas putida 39D

(+)-Kifunensine

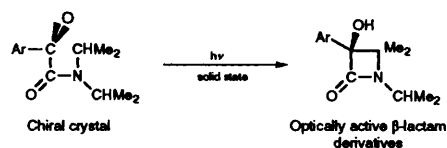
Jacques Rouden and Tomas Hudlicky

Articles

<p>1099 Investigation of the regioselectivity of some esterification reactions involving methyl 4,6-<i>O</i>-benzylidene D-pyranosides and <i>Pseudomonas fluorescens</i> lipase</p> <p>Gilles Iacazio and Stanley M. Roberts</p>	 <p>The regioselectivity of lipase-catalysed acetylations is dependent on the orientation of the anomeric substituent. The positions for the formation of esters from α- and β-anomers of the title compounds are indicated</p>
<p>1103 Studies on quinones. Part 27.¹ Diels–Alder reaction of 8,8-dimethylnaphthalene-1,4,5(8<i>H</i>)-trione</p> <p>Jaime A. Valderrama, Ramiro Araya-Maturana and Fernandio Zuloaga</p>	 <p>The title compound I reacts with 1,3-dienes to afford adducts of type II. The regiochemistry of the cycloadditions was established by chemical correlation and/or FMO theory</p>
<p>1109 Preparation of a novel potent inhibitor of methylthioadenosine nucleosidase</p> <p>David Hendry, Edward J. Hutchinson, Stanley M. Roberts, Steven M. Dunn and John A. Bryant</p>	 <p>The purine derivative I is a potent inhibitor of methylthioadenosine nucleosidase</p>
<p>1113 Direct conversion of alcohols into thiols</p> <p>Takehiko Nishio</p>	$R^1R^2R^3COH \xrightarrow{LR} R^1R^2R^3CSH$ <p>Treatment of alcohols with Lawesson's reagent (LR) affords the corresponding thiols accompanied by dehydration products, alkenes</p>
<p>1119 Reactivity of 1,1-disubstituted indazol-3-ylidene oxides: synthesis of some substituted indazolols and indazolinones</p> <p>Vicente J. Arán, Juan L. Asensio, José R. Ruiz and Manfred Stud</p>	 <p>Some reactions of the represented indazol-3-ylidene oxides, leading to differently substituted indazoles and/or benzohydrazides, have been studied</p>

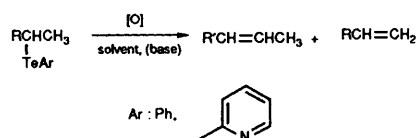
- 1129 **Formation of chiral β -lactams by photocyclisation of achiral N,N -diisopropylarylglyoxylamides in their chiral crystalline form**

Fumio Toda and Hisakazu Miyamoto



- 1133 **Telluroxide elimination by oxidation of alkyl aryl tellurides: remarkable effect of added triethylamine**

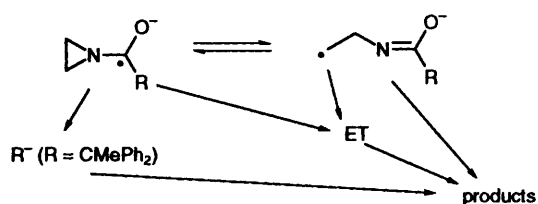
Yoshiaki Nishibayashi, Naoki Komatsu, Kouichi Ohe and Sakae Uemura



Treatment of various alkyl phenyl tellurides with 1–2 mol equiv. of *m*-chloroperbenzoic acid (MCPBA) in diethyl ether in the presence of triethylamine (Et_3N) at 25 °C for 2 h produced the corresponding alkenes in fair to good yields and highly selectively

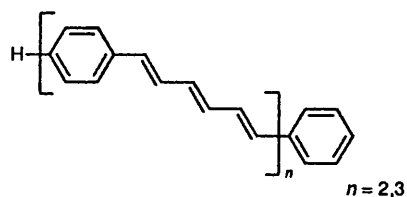
- 1139 **Aziridines. Part 60. Electron transfer from radical anions to N -alkanoylaziridines. Exocyclic cleavage of an aziridino ketyl**

Pen-Yuan Lin, Jürgen Werry, Gunther Bentz and Helmut Stamm



- 1147 **Preparation of all-*trans*-(1,4-phenylenehexa-1,3,5-trienylene) oligomers**

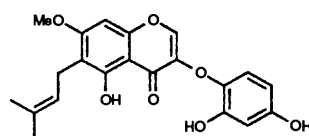
Yoriko Sonoda and Yukimichi Nakao



all-*trans*-(1,4-Phenylenehexa-1,3,5-trienylene) oligomers PHT2 ($n = 2$) and PHT3 ($n = 3$) have been prepared by a Wittig reaction

- 1153 **Phenolic constituents of *Glycyrrhiza* species. Part 10. Glyasperin E, a new 3-phenoxychromen-4-one derivative from the roots of *Glycyrrhiza aspera***

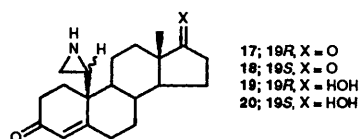
Lu Zeng, Toshio Fukai, Taro Nomura, Ru-Yi Zhang and Zhi-Cen Lou



The structure of glyasperin E was established with spectroscopic and synthetic methods

- 1161 **Novel 10 β -aziridinyl steroids; inhibitors of aromatase**

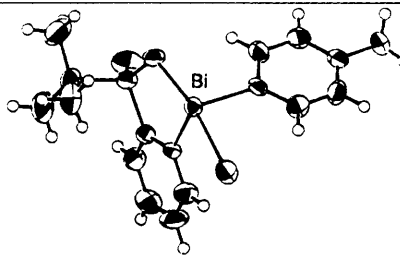
Vincent C. O. Njar, Elam Safi, J. V. Silverton and Cecil H. Robinson



Synthesis, structure and aromatase inhibitory properties of four novel 10 β -aziridinyl steroids 17–20

- 1169 **Synthesis and first X-ray structure analysis of a stabilized chiral chlorobismuthine. Fixation of molecular geometry induced by the intramolecular coordination of a sulfonyl group**

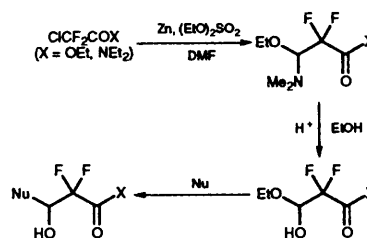
Hitomi Suzuki, Toshihiro Murafuji and Nagao Azuma



[2-(*tert*-Butylsulfonyl)phenyl]chloro(4-methylphenyl)bismuthine

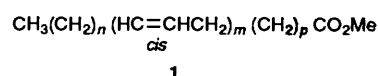
- 1177 **Preparation and reaction of difluorinated malonaldehydic acid derivatives: a new route to functionalized α,α -difluorinated esters and amides**

Takashi Tsukamoto and Tomoya Kitazume



- 1183 **Synthesis of very long chain fatty acid methyl esters**

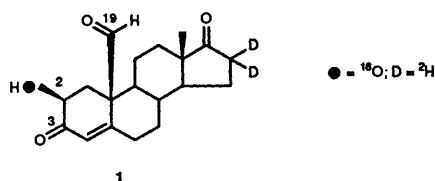
Marcel R. Kling, Christopher J. Easton and Alf Poulos



Esters **1** were obtained from copper-mediated coupling reactions of ω -iodo esters with Grignard reagents and from reactions of ω -oxo esters with phosphoranes

- 1191 **Estrogen biosynthesis: 2 β -hydroxy-19-oxoandroster-4-ene-3,17-dione revisited**

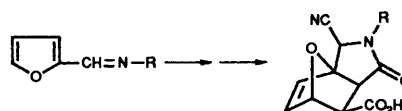
Eliahu Caspi, H. Ranjith, W. Dharmaratne, Esther Roitman and Cedric Shackleton



Incubation of **1** in the presence and in the absence of aromatase gave estrone- D_2 and $\text{HC}\bullet\text{OH}$; mechanistic implications of the results are reviewed

- 1197 **Intramolecular Diels–Alder reaction with furans: effect of the substitution pattern reinvestigated**

Dipak Prajapati, Dipak R. Borthakur and Jagir S. Sandhu



IMDA reaction of α -cyanofurfurylamine and *N*-furfurylarylamines affords **4** or **10** in good yields

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

