

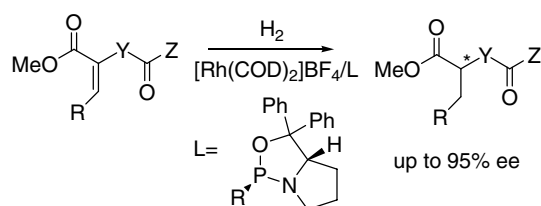
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COMMUNICATIONS

New modular P-chiral ligands for Rh-catalyzed asymmetric hydrogenation

pp 9013–9015

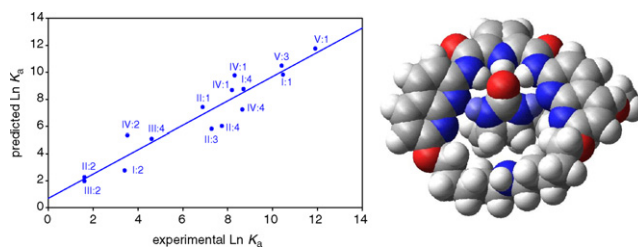
Oleg G. Bondarev\* and Richard Goddard



A new tool for the rational design of methylbiotin hosts

pp 9017–9020

Fernando Herranz, M. Dolores Santa María and Rosa M. Claramunt\*

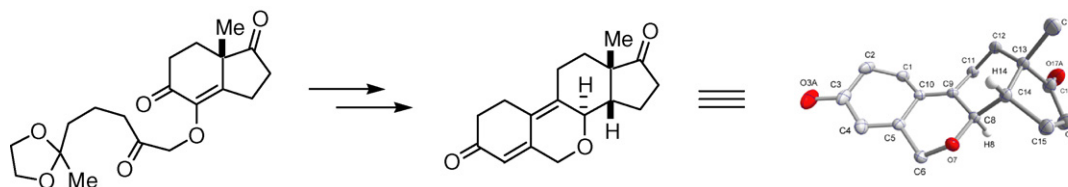


A Partial Least Square Cross-Validated model has been developed to use in the design of new, better hosts capable of interacting with biotin derivatives.

Stereoselective synthesis of *rac*-(8*R*,13*S*,14*S*)-7-oxa-estra-4,9-diene-3,17-dione

pp 9021–9024

Fu-An Kang,\* Nareshkumar Jain and Zhihua Sui



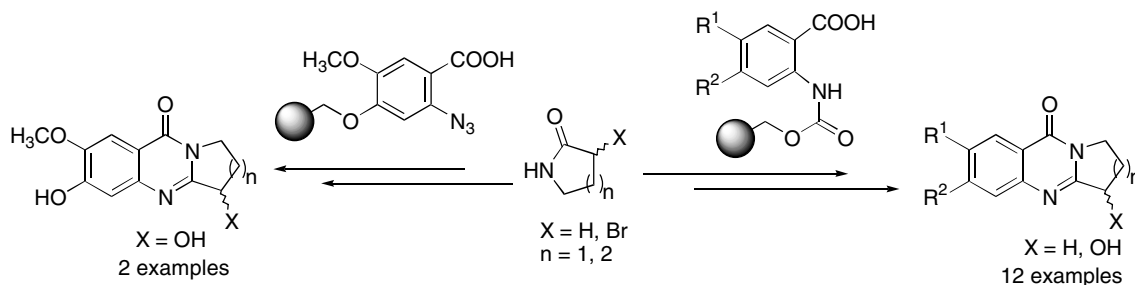
A stereoselective synthesis of the 7-oxa-steroid with the *cis*-C/D ring junction was achieved, which provides a new template for developing novel biologically interesting 7-oxa-steroidal compounds.



**Solid-phase synthesis of fused [2,1-*b*]quinazolinone alkaloids**

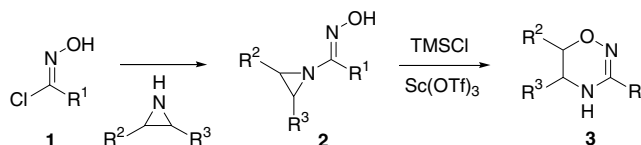
pp 9025–9028

Ahmed Kamal,\* N. Shankaraiah, V. Devaiah and K. Laxma Reddy

**Scandium(III) triflate–TMSCl promoted cyclization of aziridin-1-yl oximes to 5,6-dihydro-4*H*-[1,2,4]-oxadiazines**

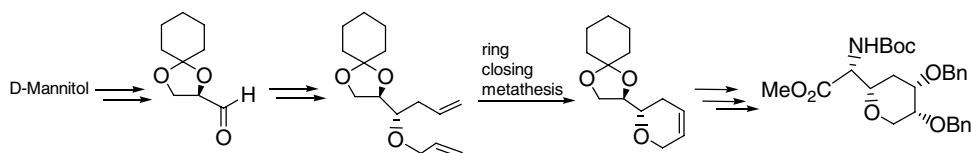
pp 9029–9033

Sung Yun Cho,\* Seung Kyu Kang, Jin Hee Ahn, Jae Du Ha and Joong-Kwon Choi

**Synthesis of chiral non-proteinogenic 4,5-dihydroxytetrahydropyran derived  $\alpha$ -amino acids from *D*-mannitol**

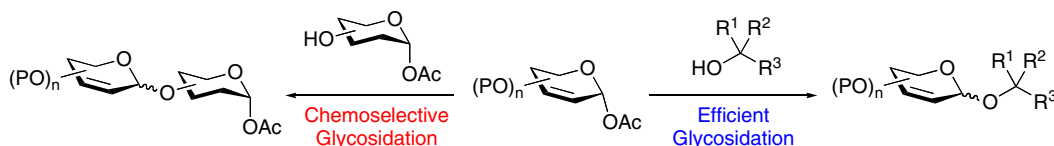
pp 9035–9038

Anita Brar and Yashwant D. Vankar\*

**An efficient glycosidation method using 2,3-unsaturated glycosyl donors**

pp 9039–9043

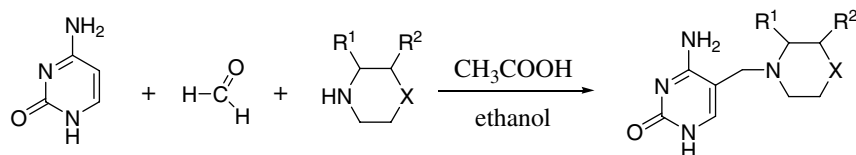
Kaname Sasaki, Shuichi Matsumura and Kazunobu Toshima\*



**New compounds via Mannich reaction of cytosine, paraformaldehyde and cyclic secondary amines**

pp 9045–9047

Dorota Prukała

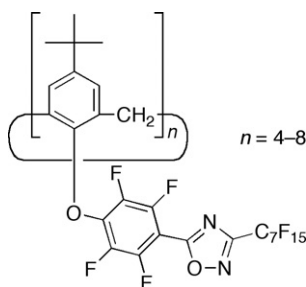


The Mannich reaction of cytosine, paraformaldehyde and cyclic secondary amines in the presence of acetic acid gives derivatives of 5-(cycloamino)methylcytosine. These products are quite different from those of cytosine aminomethylation previously described.

**Lower rim arylation of calix[n]arenes with extended perfluorinated domains**

pp 9049–9052

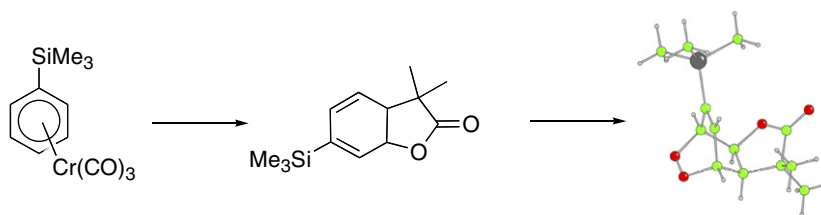
Silvestre Buscemi, Andrea Pace, Antonio Palumbo Piccionello, Sebastiano Pappalardo, Domenico Garozzo, Tullio Pilati, Giuseppe Gattuso, Andrea Pappalardo, Ilenia Pisagatti and Melchiorre F. Parisi\*



**A simple synthesis of cytotoxic endoperoxide lactones**

pp 9053–9056

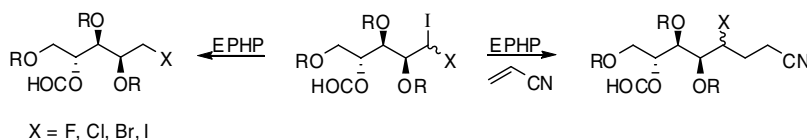
Eugenia Aldeco-Pérez, Henri Rudler,\* Andrée Parlier, Cecilio Alvarez, Maria Teresa Apan, Patrick Herson and Alfredo Toscano



**Chemoselective 1-ethylpiperidine hypophosphite (EHP)-mediated intermolecular radical additions of 1-deoxy-1-halo-1-iodo-alditols to electron-deficient olefins**

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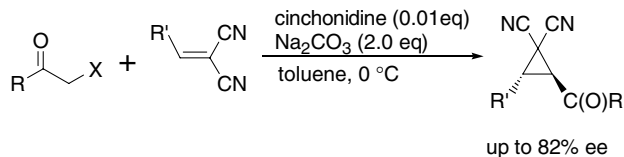
Cosme G. Francisco, Concepción C. González, Antonio J. Herrera, Nieves R. Paz and Ernesto Suárez\*



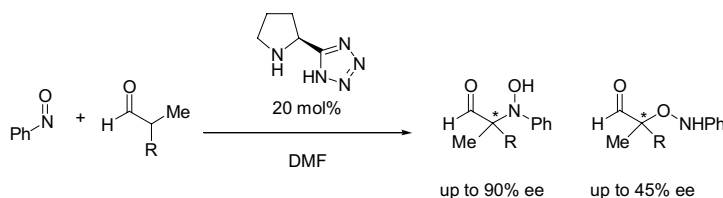
X = F, Cl, Br, I



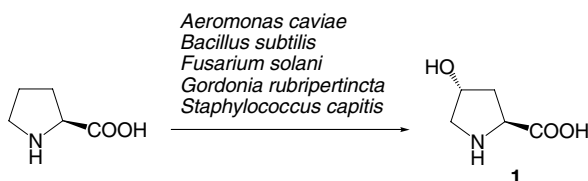
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Satoshi Kojima,\* Maki Suzuki, Akito Watanabe and Katsuo Ohkata



**Organocatalyzed asymmetric  $\alpha$ -hydroxyamination of  $\alpha$ -branched aldehydes: asymmetric synthesis of optically active N-protected  $\alpha,\alpha$ -disubstituted amino aldehydes and amino alcohols** pp 9067–9071  
Sung-Gon Kim\* and Tae-Ho Park



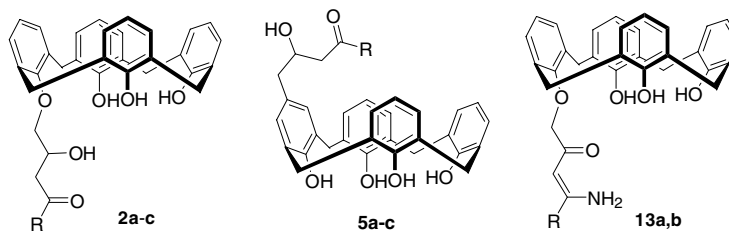
**Microbial screening in hydroxylation of L-proline** pp 9073–9076  
M.-C. Bontoux and M. Gelo-Pujic\*



Microbial screening resulted in identification of five strains with the activity of prolyl 4-hydroxylase. All five strains hydroxylated regioselectively and enantioselectively L-proline into 4(R)-trans-hydroxy-L-proline **1**.

**Mo(CO)<sub>6</sub>-mediated synthesis of calix[4]arenes carrying  $\beta$ -hydroxy ketones or  $\alpha,\beta$ -unsaturated- $\beta$ -amino ketones** pp 9077–9081

Annamalai Senthilvelan, Ming-Tsung Tsai, Kai-Chi Chang and Wen-Sheng Chung\*

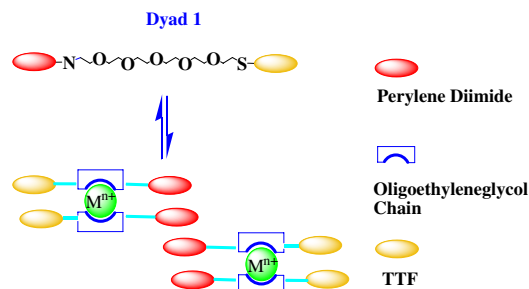


**A new tetrathiafulvalene–perylene diimide dyad with a penta-oxa-heptadecane chain as the spacer: metal-ions-induced aggregation**

pp 9083–9087

Xiaoping Zheng, Deqing Zhang\* and Daoben Zhu\*

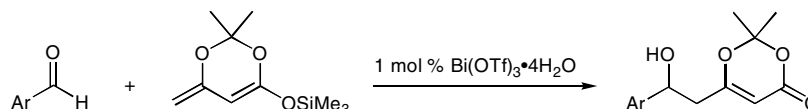
The aggregation of a new TTF–perylene diimide dyad **1** with a penta-oxa-heptadecane chain as the spacer was observed.



**Efficient and practical catalytic vinylogous aldol reaction of dioxinone-derived silyl dienol ethers with aromatic aldehydes**

pp 9089–9092

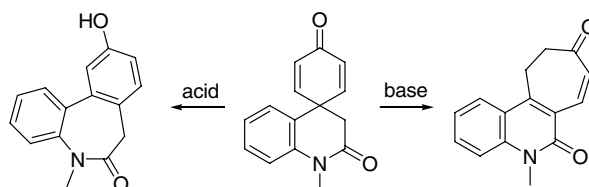
Thierry Ollevier,\* Valerie Desyroy, Cristian Catrinescu and Raphael Wischert



**Ring expansions of a spirocyclohexadienone system**

pp 9093–9094

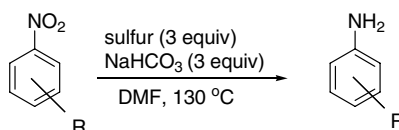
Lionel Moisan, Mathieu Wagner, Sébastien Comesse and Eric Doris\*



**A practical and selective reduction of nitroarenes using elemental sulfur and mild base**

pp 9095–9097

Maureen A. McLaughlin\* and David M. Barnes

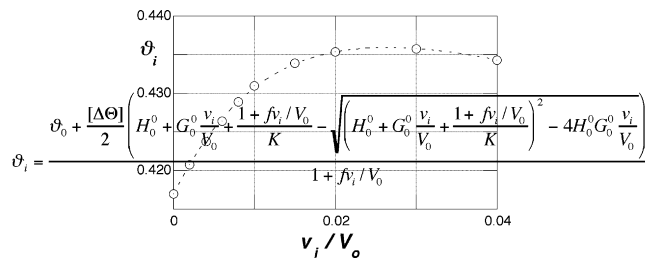


A method was developed to reduce aromatic nitro compounds to the corresponding anilines using sulfur and base. The method tolerates a range of functional groups on the benzene ring, avoids the use of hydrogen and transition metals and provides the anilines in moderate to high yields.



### Polarimetry as a useful tool for the determination of binding constants between cyclodextrins and organic guest molecules pp 9099–9102

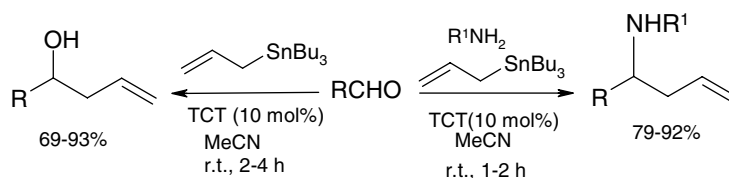
Paolo Lo Meo, Francesca D'Anna, Serena Riela, Michelangelo Gruttadauria and Renato Noto\*



Polarimetry can quickly provide precise and reliable information on host–guest inclusion equilibria between cyclodextrins and suitable organic guest molecules.

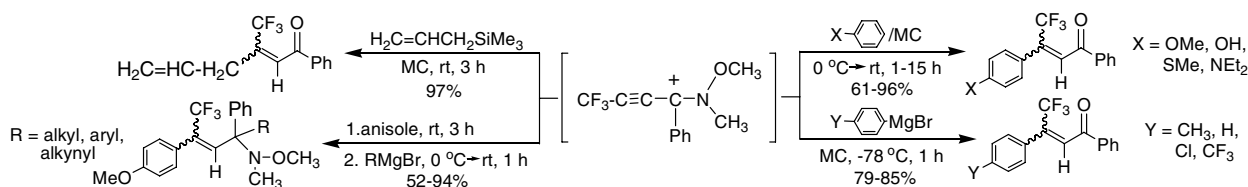
### Efficient synthesis of homoallylic alcohols and amines using 2,4,6-trichloro-1,3,5-triazine pp 9103–9106

Biswanath Das,\* Keetha Laxminarayana, B. Ravikanth and B. Ramarao



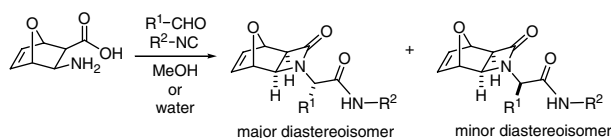
### Reactions of novel trifluoromethyl propargylic carbocation with carbon nucleophiles pp 9107–9111

Sung Lan Jeon, Joa Kyum Kim, Jang Bae Son, Bum Tae Kim and In Howa Jeong\*



### A comparative study of the multicomponent Ugi reactions of an oxabicycloheptene-based $\beta$ -amino acid in water and in methanol pp 9113–9116

Iván Kanizsai, Zsolt Szakonyi, Reijo Sillanpää and Ferenc Fülöp\*

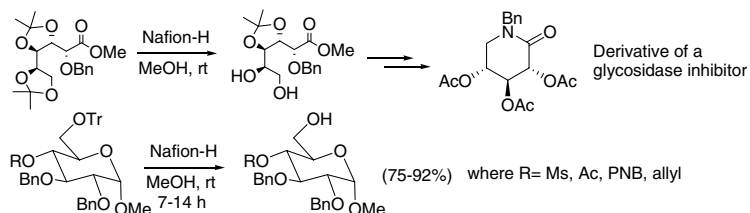


yields: 43-76% in methanol and 47-71% in water  
diastereomeric ratios: from 56:44 up to 87:13 in methanol and from 52:48 up to 100:0 in water

The synthesis of oxabicyclo  $\beta$ -lactam derivatives was accomplished, starting from di-*exo*-3-amino-7-oxabicyclo[2.2.1]hept-5-ene-2-carboxylic acid, observing the solution effect of pure water and methanol.

**Nafion-H mediated selective deprotection of terminal isopropylidene acetals and trityl ethers. Application in the synthesis of a substituted piperidone** pp 9117–9120

Girish K. Rawal, Shikha Rani, Amit Kumar and Yashwant D. Vankar\*

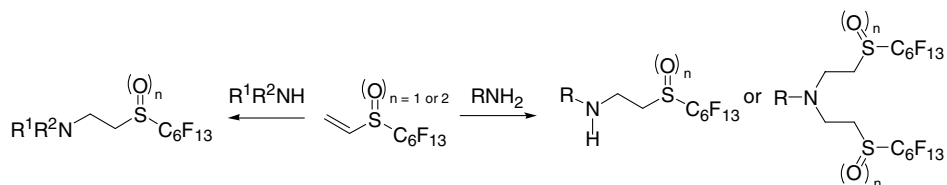


Nafion-H acts as an excellent reagent for the deprotection of a variety of terminal isopropylidenes and trityl ethers without affecting the other protecting groups. A facile synthesis of a biologically important piperidone derivative has been achieved via selective deprotection, reductive amination and cyclization.



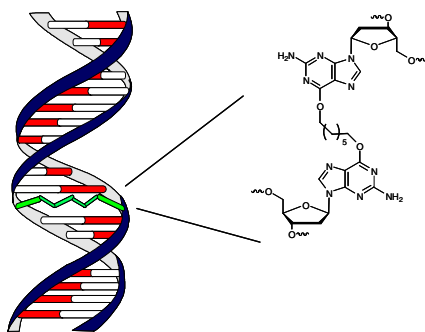
**Selective Michael additions of primary and secondary amines to perfluoroalkylated sulfoxides and sulfones as a tool for fluorous tagging** pp 9121–9124

Caroline Magnier-Bouvier, Jean-Claude Blazejewski, Chantal Larpent and Emmanuel Magnier\*



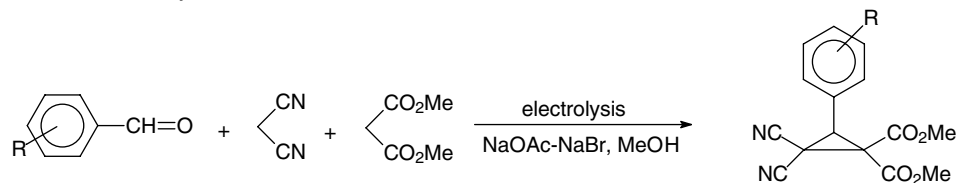
**Synthesis of oligonucleotides containing an O<sup>6</sup>-G-alkyl-O<sup>6</sup>-G interstrand cross-link** pp 9125–9128

Christopher J. Wilds,\* Jason D. Booth and Anne M. Noronha



**Electrocatalytic multicomponent cyclization of an aldehyde, malononitrile and a malonate into 3-substituted-2,2-dicyanocyclopropane-1,1-dicarboxylate—the first one-pot synthesis of a cyclopropane ring from three different molecules** pp 9129–9133

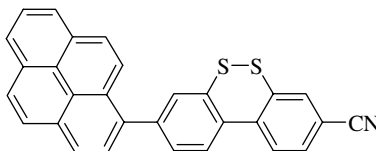
Michail N. Elinson,\* Sergey K. Feducovich, Anatolii N. Vereshchagin, Sergey V. Gorbunov, Pavel A. Belyakov and Gennady I. Nikishin



**Synthesis of a redox-active molecular switch based on dibenzo[1,2]dithiine**

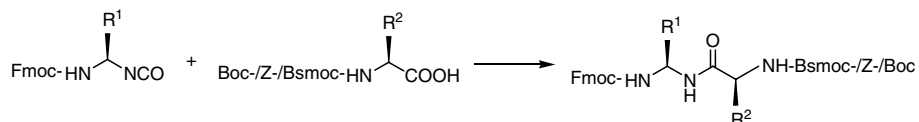
pp 9135–9138

Irantzu Llarena, Andrew C. Benniston,\* Guillaume Izzet, Dorota B. Rewinska, Ross W. Harrington and William Clegg

**Synthesis of retro-inverso peptides employing isocyanates of  $N^Z$ -Fmoc-amino acids/peptide acids catalyzed by DMAP**

pp 9139–9141

Rao Venkataramanarao and Vommina V. Sureshbabu\*

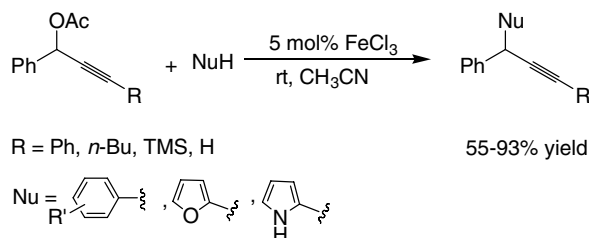


The Goldschmidt–Wick type reaction between isocyanates of  $N^Z$ -Fmoc-amino acids/peptide acids and  $N^Z$ -Boc-/Z-/Bsmoc-amino acids catalyzed by DMAP leads to retro-inverso peptides in high yields and a few steps.

 **$\text{FeCl}_3$ -catalyzed propargylation of aromatic compounds with propargylic acetates**

pp 9143–9146

Zhuang-Ping Zhan,\* Yuan-Yuan Cui and Hui-Juan Liu

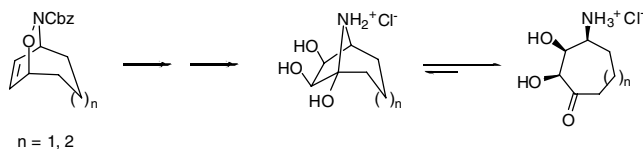


A new method for the synthesis of propargylated aromatic compounds is developed. The reaction was carried out at room temperature in the presence of a catalytic amount of  $\text{FeCl}_3$  in acetonitrile, high product yields were obtained with excellent regioselectivity and the reaction proceeded smoothly without exclusion of moisture or air.

**The first syntheses of 6,7-dihydroxylated calystegines and homocalystegines**

pp 9147–9150

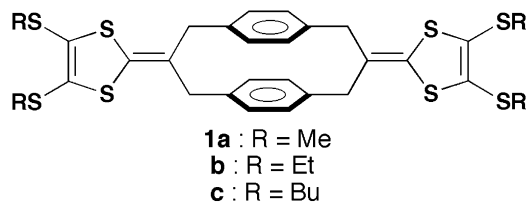
Birgit Groetzl, Sandeep Handa\* and John R. Malpass





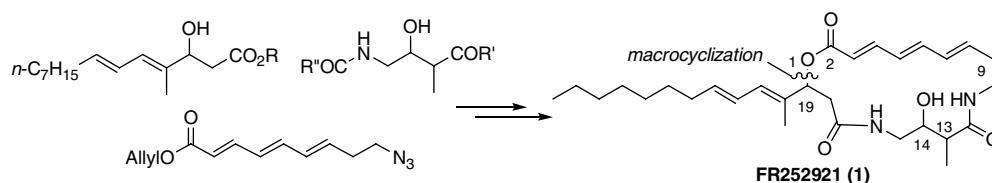
**Bis(1,3-dithiol-2-ylidene)-[3.3]paracyclophanes: orthogonal intramolecular charge transfer interaction** pp 9151–9154

Katsuya Sako,\* Yukiharu Mase, Yousuke Kato, Tetsuo Iwanaga, Teruo Shinmyozu, Hiroyuki Takemura, Mitsuhiro Ito, Kousuke Sasaki and Hitoshi Tatemitsu\*

**A flexible route to immunosuppressive agent FR252921. Asymmetric total synthesis of its (13*R*,14*R*,19*R*)-isomer**

pp 9155–9157

Shouyun Yu, Feng Liu and Dawei Ma\*

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Corrigendum

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\*Corresponding author

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