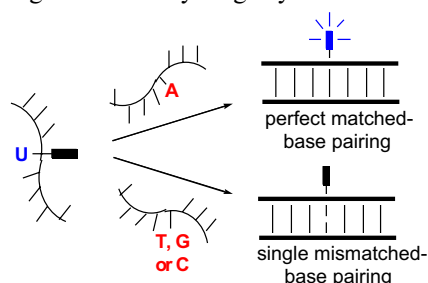


Contents

COMMUNICATIONS

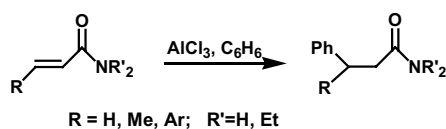
- Fluorescent oligonucleotide incorporating 5-(1-ethynylpyrenyl)-2'-deoxyuridine: sequence-specific fluorescence changes upon duplex formation** pp 3543–3546

Gil Tae Hwang, Young Jun Seo, Su Jeong Kim and Byeang Hyeon Kim*



- Friedel–Crafts alkylation of benzene with α,β -unsaturated amides** pp 3547–3549

Konstantin Yu. Koltunov,* Stéphane Walspurger and Jean Sommer

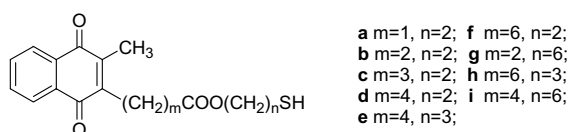


A variety of α,β -unsaturated amides readily condense with benzene in the presence of an excess of aluminum chloride to give respective 3-phenylpropionamides in excellent yields.



- Synthesis and self-assembling properties on gold of 2-methyl-1,4-naphthoquinone derivatives containing ω -mercaptoalkylalkanoate groups** pp 3551–3555

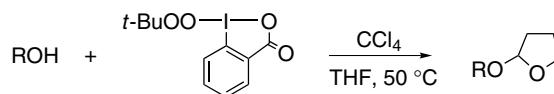
Marytė Kažemėkaitė, Arūnas Bulovas, Zita Talaikytė, Eugenijus Butkus, Vilma Railaitė, Gediminas Niaura, Algirdas Palaima and Valdemaras Razumas*



The synthesis of 2-methyl-1,4-naphthoquinone derivatives containing surface active ω -mercaptoalkylalkanoate groups with 5–12 atoms in the side-chains is reported. The basic redox properties and some molecular features of the self-assembled monolayers formed by these compounds on gold were studied.

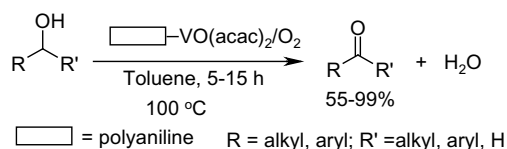
Tetrahydrofuranylation of alcohols catalyzed by alkylperoxy- λ^3 -iodane and carbon tetrachloride
Masahito Ochiai* and Takuya Sueda

pp 3557–3559



Polyaniline supported vanadium catalyzed aerobic oxidation of alcohols to aldehydes and ketones
Sabbasani Rajasekhara Reddy, Subhabrata Das and T. Punniyamurthy*

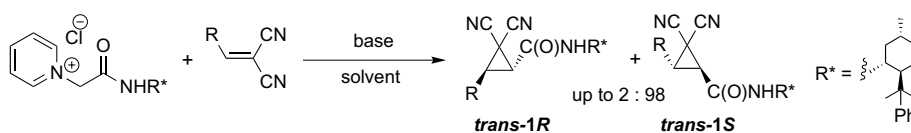
pp 3561–3564



Stereoselective synthesis of activated cyclopropanes with an α -pyridinium acetamide bearing an 8-phenylmenthyl group as the chiral auxiliary

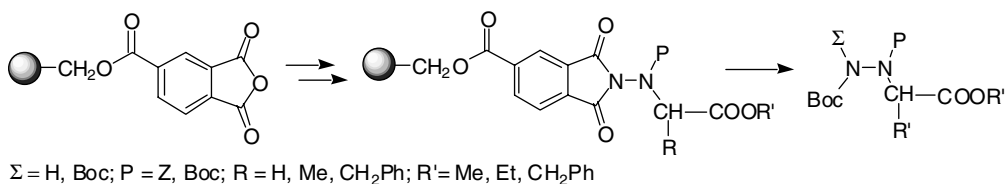
pp 3565–3568

Satoshi Kojima,* Kyoko Hiroike and Katsuo Ohkata



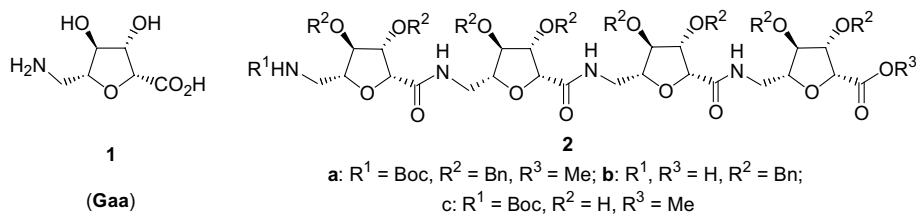
Liquid and solid phase syntheses of orthogonally protected α -hydrazinoacid derivatives
Isabelle Bouillon, Nicolas Brosse,* Régis Vanderesse and Brigitte Jamart-Grégoire

pp 3569–3572



Conformational studies of the linear homooligomers of a glucose-derived furanoid sugar amino acid pp 3573–3577

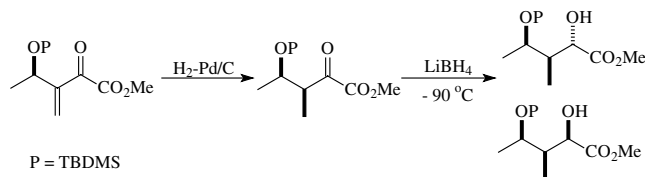
Tushar K. Chakraborty,* P. Srinivasu, S. Sakunthala Madhavendra, S. Kiran Kumar and Ajit C. Kunwar



Diastereo- and enantioselective synthesis of a conagenin skeletal amide moiety

pp 3579–3582

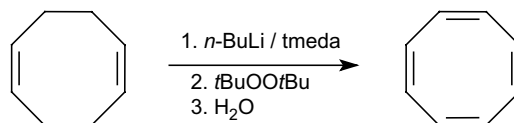
J. Augusto R. Rodrigues,* Paulo J. S. Moran, Cíntia D. F. Milagre and Cleber V. Ursini



Cyclooctatetraene made easy

pp 3583–3584

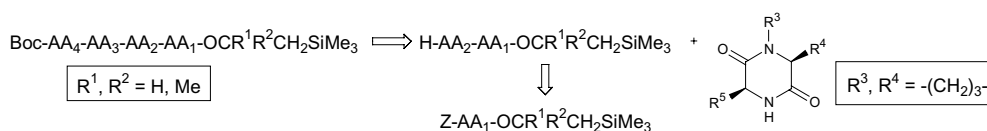
Jochen Gottfriedsen, Alesia Miloslavina and Frank T. Edlmann*



Application of substituted 2-(trimethylsilyl)ethyl esters to suppress diketopiperazine formation

pp 3585–3588

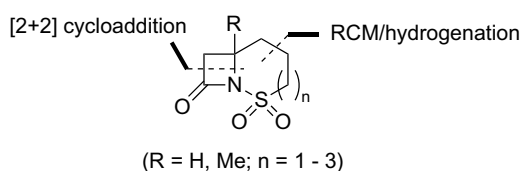
Katarzyna Borsuk, Floris L. van Delft, Ivo F. Eggen,* Paul B. W. ten Kortenaar, Annet Petersen and Floris P. J. T. Rutjes*



A concise synthesis of β -lactam–sulfonamide hybrids

pp 3589–3592

Dirk Freitag, Pia Schwab and Peter Metz*

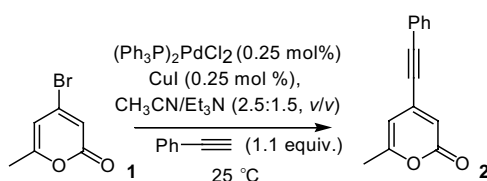


Using ring closing metathesis (RCM) as the key operation, a rapid access to β -lactams fused to a sulfonamide moiety of variable ring size was developed. An efficient RCM of 4-vinyl-azetidin-2-ones to give 1-aza-bicyclo[4.2.0]oct-4-en-8-ones is also reported.

Important consequences for gas chromatographic analysis of the Sonogashira cross-coupling reaction

pp 3593–3595

Elina H. Niemelä, Adam F. Lee and Ian J. S. Fairlamb*

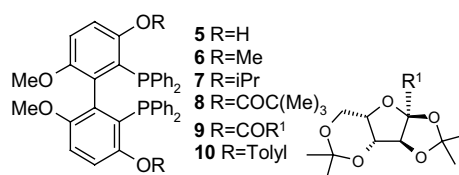


GC analysis of the Sonogashira reaction of **1** with phenylacetylene shows a time dependence of post-quenched samples (through a conventional silica plug), where residual Pd complexes are able to catalyse the reaction further.

**Synthesis, resolution and applications of 3,3'-bis(RO)-MeO-BIPHEP derivatives**

pp 3597–3601

Evgueni Gorobets, Guang-Ri Sun, Bronwen M. M. Wheatley, Masood Parvez and Brian A. Keay*

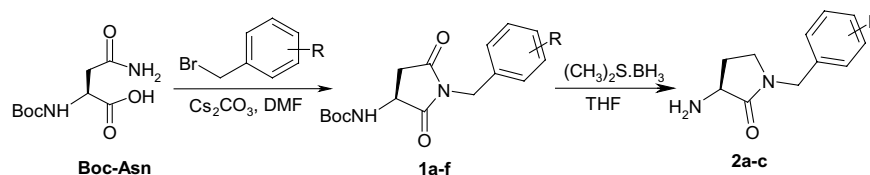


We report the synthesis, resolution and asymmetric applications of a series of new 3,3'-bis(substituted)-MeO-BIPHEP derivatives **5–10**.

**Efficient synthesis of *N*-benzyl-3-aminopyrrolidine-2,5-dione and *N*-benzyl-3-aminopyrrolidin-2-one**

pp 3603–3605

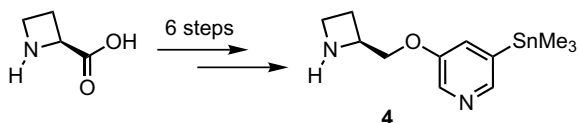
Yen Vo-Hoang, Cécile Gasse, Michel Vidal, Christiane Garbay and Hervé Galons*



Synthesis of a new precursor to the nicotinic receptor tracer 5-IA-85380 precursor using trimethylsilyl iodide as deblocking agent

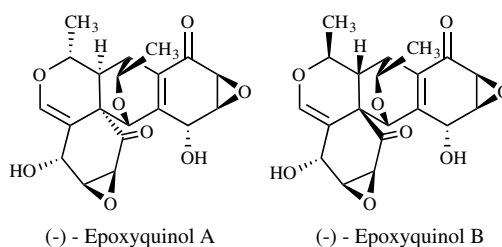
pp 3607–3610

Eric Brenner, Ronald M. Baldwin and Gilles Tamagnan*

**Enantioselective total synthesis of (-)-epoxyquinols A and B. Novel, convenient access to chiral epoxyquinone building blocks through enzymatic desymmetrization**

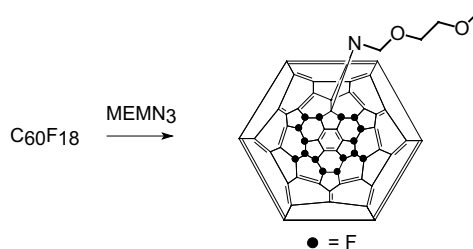
pp 3611–3615

Goverdhan Mehta* and Kabirul Islam

**Novel formation of a fluorinated aziridino[60]fullerene**

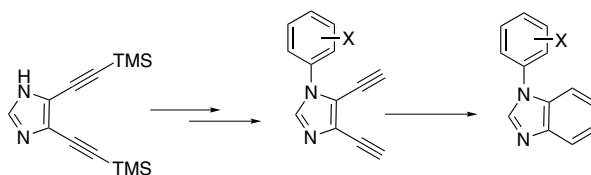
pp 3617–3619

Glenn A. Burley, Adam D. Darwish, Joan M. Street and Roger Taylor*

Reaction of MEMazide with $C_{60}F_{18}$ results in replacement of two fluorines to give a fluorinated aziridinofullerene.**Bergman cycloaromatization of imidazole-fused enediynes: the remarkable effect of *N*-aryl substitution**

pp 3621–3624

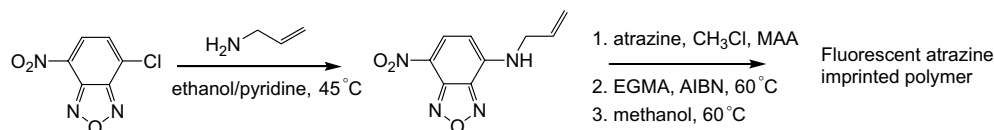
Zhengrong Zhao, Yunshan Peng, N. Kent Dalley, John F. Cannon and Matt A. Peterson*

*N*-Arylation enhanced rates relative to *N*-alkyl derivatives by up to sevenfold (ANOVA $p < 0.0001$).

4-(3-Aminopropylene)-7-nitrobenzofurazan: a new polymerisable monomer for use in homogeneous molecularly imprinted sorbent fluoroassays

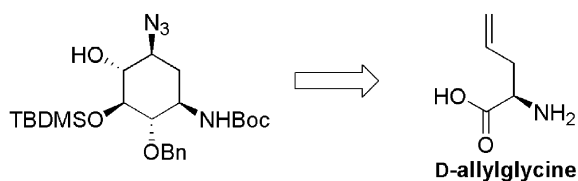
pp 3625–3627

Nathalie Lavignac, Christopher J. Allender* and Keith R. Brain


Synthesis of a protected enantiomerically pure 2-deoxystreptamine derivative from D-allylglycine

pp 3629–3632

Guuske F. Busscher, Floris P. J. T. Rutjes and Floris L. van Delft*

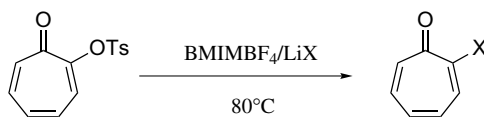


A diastereoselective synthetic route to enantiopure (protected) 2-deoxystreptamine, starting from D-allylglycine, is presented.

Electrophilic catalysis in nucleophilic substitution reactions in ionic liquids

pp 3633–3634

Marino Cavazza* and Francesco Pietra


Regioselective 6-iodination of 5,7-dioxygenated flavones by benzyltrimethylammonium dichloroiodate

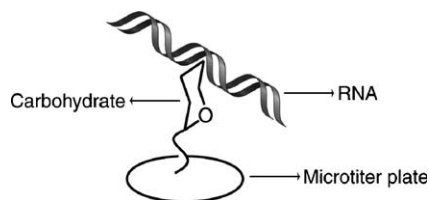
pp 3635–3638

Jérôme Quintin and Guy Lewin*



Aminoglycoside array for the high-throughput analysis of small molecule–RNA interactions
 Marian C. Bryan and Chi-Huey Wong*

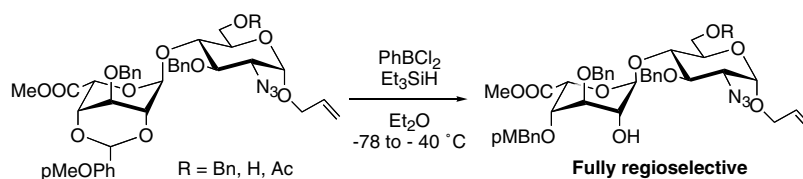
pp 3639–3642



PhBCl₂ promoted reductive opening of 2',4'-O-*p*-methoxybenzylidene: new regioselective differentiation of position 2' and 4' of α-L-iduronyl moieties in disaccharide building blocks

pp 3643–3645

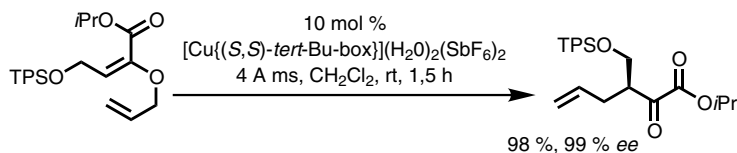
Anna Dilhas and David Bonnaffé*



Highly enantioselective catalytic asymmetric Claisen rearrangement of 2-alkoxycarbonyl-substituted allyl vinyl ethers

pp 3647–3650

Lars Abraham, Marleen Körner and Martin Hiersemann*

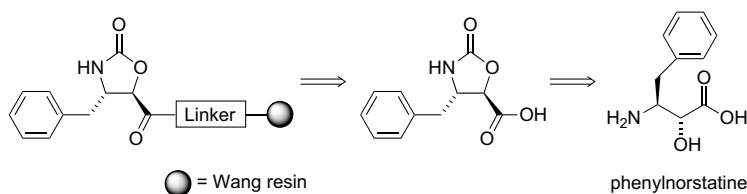


The [Cu{(S,S)-*t*-Bu-box}](H₂O)₂(SbF₆)₂-catalyzed Claisen rearrangement of 2-alkoxycarbonyl-substituted allyl vinyl ethers has been studied.

A new polymer-supported Evans-type chiral auxiliary derived from α-hydroxy-β-amino acid, phenylnorstatine: synthesis and application in solid-phase asymmetric alkylation reactions

pp 3651–3654

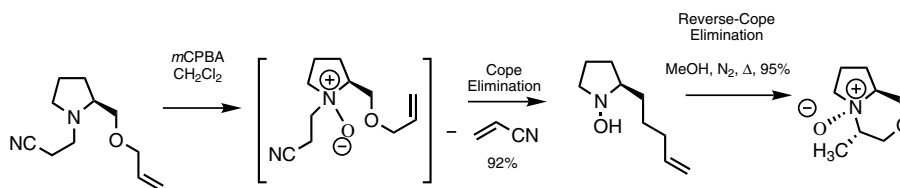
Tomoya Kotake, S. Rajesh, Yoshio Hayashi, Yoshie Mukai, Mitsuhiro Ueda, Tooru Kimura and Yoshiaki Kiso*



A new polymer-supported chiral oxazolidinone was synthesized and evaluated in asymmetric alkylation.

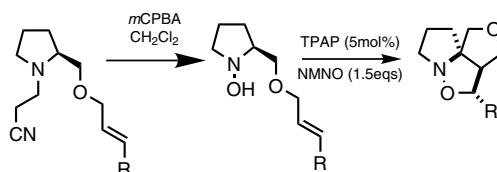
The synthesis of chiral functionalised morpholine *N*-oxides using a tandem Cope elimination/reverse-Cope elimination protocol pp 3655–3658

Ian A. O'Neil,* Ed Cleator, V. Elena Ramos, Alan P. Chorlton and David J. Tapolczay



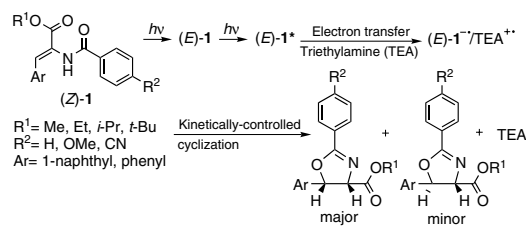
The diastereoselective synthesis of functionalised isoxazolidines using a Cope elimination/intramolecular nitronc cycloaddition strategy pp 3659–3661

Ian A. O'Neil,* V. Elena Ramos, Gemma L. Ellis, Ed Cleator, Alan P. Chorlton, David J. Tapolczay and S. Barret Kalindjian



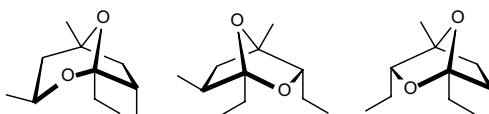
Selective and efficient transformation of *N*-(4-substituted benzoyl)- α -dehydroaryllanine alkyl esters into 4,5-dihydrooxazole derivatives via photoinduced electron transfer pp 3663–3667

Kei Maekawa, Takahiro Sasaki, Kanji Kubo, Tetsutaro Igarashi and Tadimitsu Sakurai*



Identification and synthesis of new bicyclic acetals from caddisflies (Trichoptera) pp 3669–3672

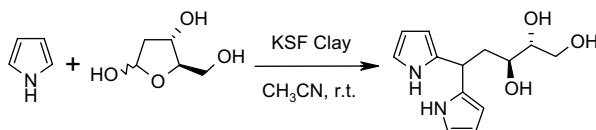
Jan Bergmann, Christer Löfstedt, Vladimir D. Ivanov and Wittko Francke*



Montmorillonite clay catalyzed alkylation of pyrroles and indoles with cyclic hemi-acetals

pp 3673–3676

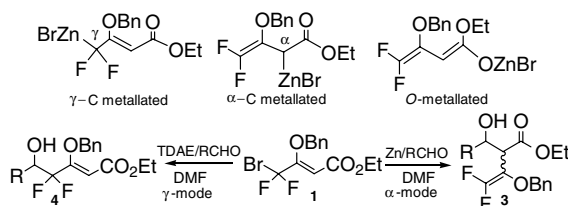
J. S. Yadav,* B. V. Subba Reddy and G. Satheesh



Structural determination of a zinc reagent from ethyl 3-bromodifluoromethyl-3-benzyloxyacrylate and its reactions with aldehydes

pp 3677–3680

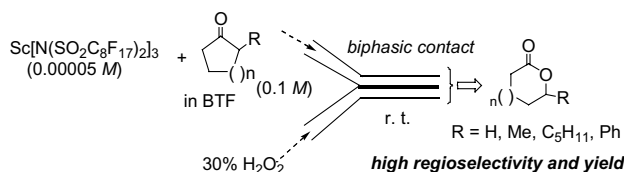
Weimin Peng, Ping He, Shizheng Zhu* and Zhanting Li



Nanoflow system for perfect regiocontrol in the Baeyer–Villiger oxidation by aqueous hydrogen peroxide using lowest concentration of a fluorous lanthanide catalyst

pp 3681–3683

Koichi Mikami,* Md. Nazrul Islam, Masahiro Yamanaka, Yoshimitsu Itoh, Masaki Shinoda and Kenichi Kudo

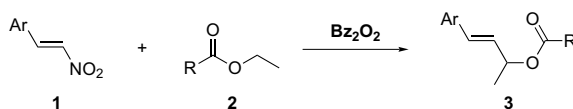


The scandium bis(perfluorooctanesulfonyl)amide-catalyzed Baeyer–Villiger reaction is significantly increased in the regioselectivity as well as the reaction rate by the fluorous nanoflow system.

Radical reactions in esters with alkoxy functionality chemistry an unusual alcohol moiety hydrogen abstraction

pp 3685–3687

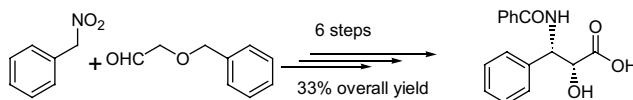
Ming-Chung Yan, Yeong-Jiunn Jang, Jhenyi Wu, Yung-Feng Lin and Ching-Fa Yao*



A highly efficient synthesis of the C-13 side-chain of taxol using Shibasaki's asymmetric Henry reaction

pp 3689–3691

Jagat C. Borah, Siddhartha Gogoi, Joshodeep Boruwa, Biswajit Kalita and Nabin C. Barua*

**OTHER CONTENTS****Contributors to this issue**
Instructions to contributorsp I
pp III–VI

*Corresponding author

i+ Supplementary data available via ScienceDirect

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DirectThis journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier books and journals. You can register for **ContentsDirect** online at: <http://contentsdirect.elsevier.com>

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