

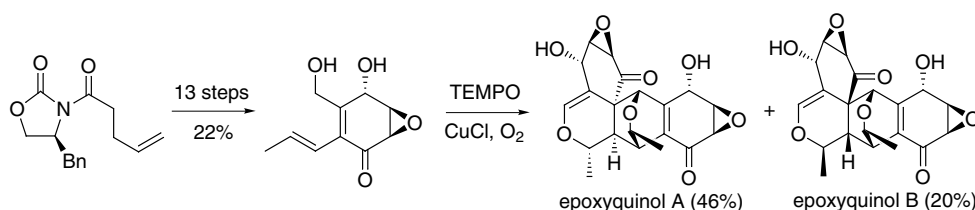
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COMMUNICATIONS

Enantioselective total synthesis of antiangiogenic pentaketide dimers, epoxyquinols A and B, through an asymmetric aldol approach to their common monomeric precursor

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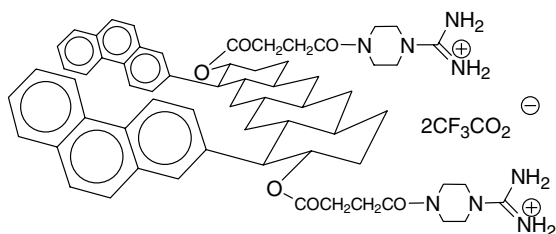
Shigefumi Kuwahara* and Sunao Imada



Synthesis of a water-soluble molecular tweezer and a recognition study in an aqueous media

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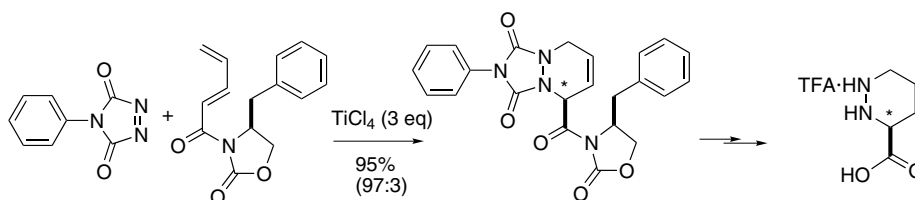
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Remarkable effects of titanium tetrachloride in diastereoselective aza Diels–Alder cycloaddition: synthesis of (*S*)-piperazic acid

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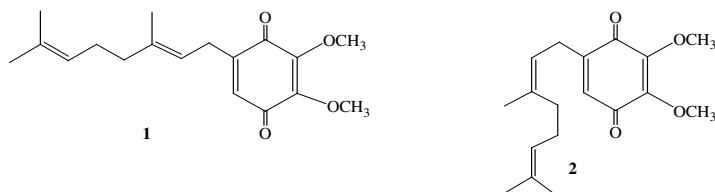
Kazuishi Makino, Yoshiaki Henmi, Makiko Terasawa, Osamu Hara and Yasumasa Hamada*



Desmethylobiquinone Q₂ from the Far-Eastern ascidian *Aplidium glabrum*: structure and synthesis

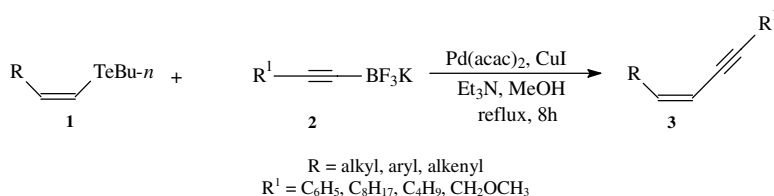
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Larisa K. Shubina, Sergey N. Fedorov, Oleg S. Radchenko, Nadezhda N. Balaneva,
Sophia A. Kolesnikova, Pavel S. Dmitrenok, Ann Bode, Zigang Dong and Valentin A. Stonik*

**Synthesis of 1,3-enynes via Suzuki-type reaction of vinylic tellurides and potassium alkynyltrifluoroborate salts**

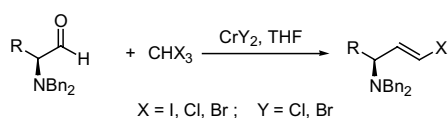
pp 563–567

Hélio A. Stefani,* Rodrigo Cella, Felipe A. Dörr, Claudio M. P. Pereira,
Gilson Zeni and Marlito Gomes, Jr.

**Synthesis of enantiopure (S)-(E)-1-haloalk-1-ene-3-amines with total or very high diastereoselectivity by halomethylenation of α-amino aldehydes promoted by CrCl₂**

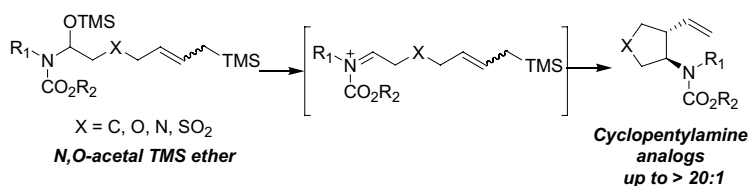
pp 569–571

José M. Concellón,* Pablo L. Bernad and Carmen Méjica

**A new entry to functionalized cycloalkylamines: diastereoselective intramolecular amidoalkylation of N,O-acetal TMS ether possessing allylsilane**

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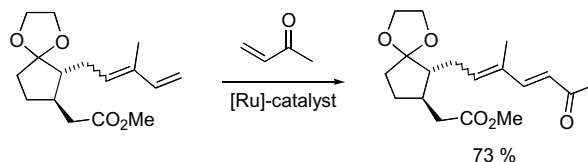
Jong-Wha Jung, Dong-Yun Shin, Seung-Yong Seo, Seok-Ho Kim, Seung-Mann Paek,
Jae-Kyung Jung and Young-Ger Suh*



Cross-metathesis of 1,3-dienes with electron-deficient olefins

pp 577–580

Purnama Dewi, Stefan Randl and Siegfried Blechert*

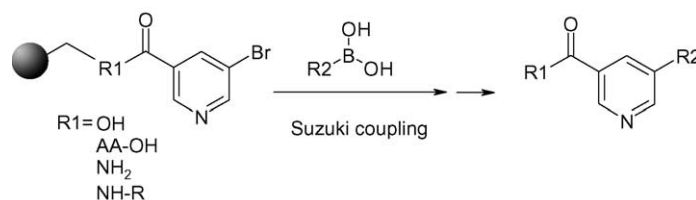


Cross-metathesis reactions between 1,3-dienes and electron-deficient olefins have been studied. Using 1,3-dienes possessing a trisubstituted internal double bond and methyl vinyl ketone as the coupling partner, the cross products were obtained in moderate to good yields.

Suzuki coupling reaction for the solid-phase preparation of 5-substituted nicotinic acid derivatives

pp 581–585

Joan-Carles Fernández,* Laia Solé-Feu, Dolors Fernández-Forner, Natalia de la Figuera, Pilar Forn and Fernando Albericio

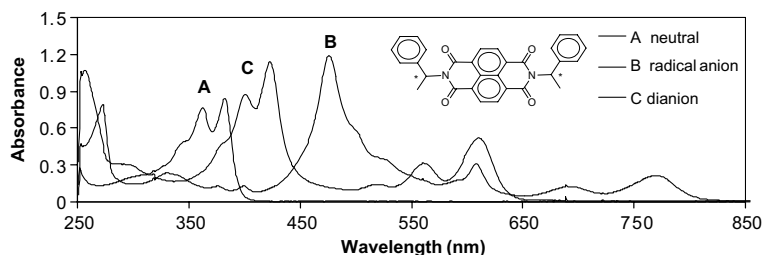


The application of the Suzuki coupling reaction to the preparation of small combinatorial libraries using 5-bromonicotinic acid as a scaffold onto three different types of solid support (Wang, Rink, and BAL resin) is described.

Chiral imides as potential chiroptical switches: synthesis and optical properties

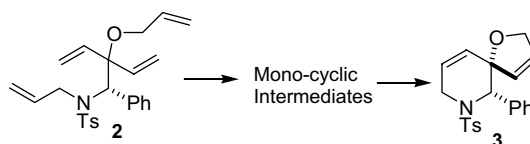
pp 587–590

Erin K. Todd, Sheng Wang, Xinhua Wan and Zhi Yuan Wang*

**On the mechanism of a double ring-closing metathesis reaction**

pp 591–594

Debra J. Wallace

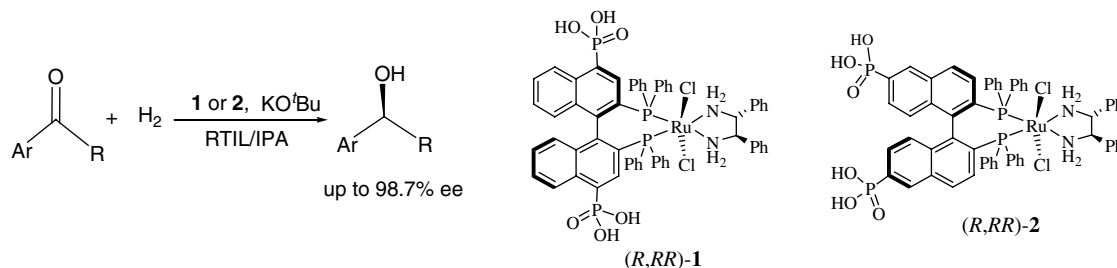


A detailed study of the steps involved in the double ring-closing metathesis reaction of **2** to **3** has been carried out. Both the selectivity and mechanism were affected by choice of catalyst.

Catalytic asymmetric hydrogenation of aromatic ketones in room temperature ionic liquids

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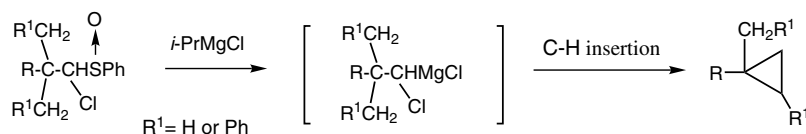
Helen L. Ngo, Aiguo Hu and Wenbin Lin*



The first example of magnesium carbenoid 1,3-CH insertion reaction: a novel method for synthesis of cyclopropanes from 1-chloroalkyl phenyl sulfoxides in high yields

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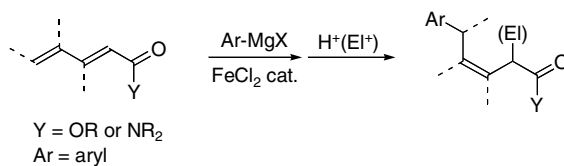
Tsuyoshi Satoh,* Jun Musashi and Atsushi Kondo



Iron-catalyzed 1,6-addition of aryl Grignard reagents to 2,4-dienoates and -dienamides

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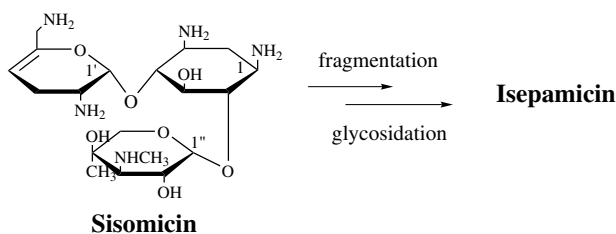
Kohki Fukuhara and Hirokazu Urabe*



A semisynthesis of isepamicin by fragmentation method

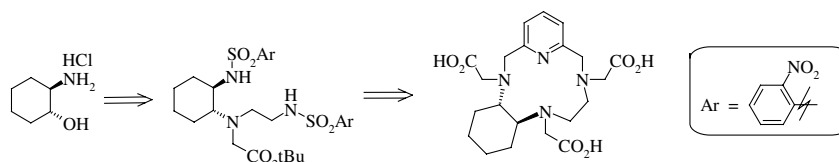
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Man Sik Moon, Sook Jin Jun, So Ha Lee, Chan Seong Cheong,* Kwan Soo Kim and Byung Suk Lee



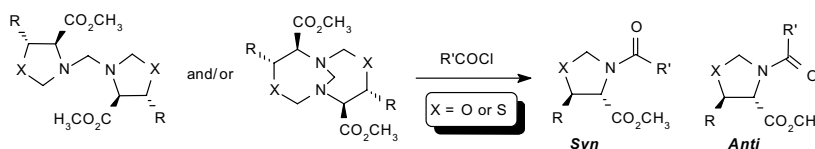
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Clotilde Ferroud,* Alain Guy and Marc Port**Conversion of isomeric 2:3 adducts (aminoacid–formaldehyde) to *N*-acyl-pseudoproline derivatives**

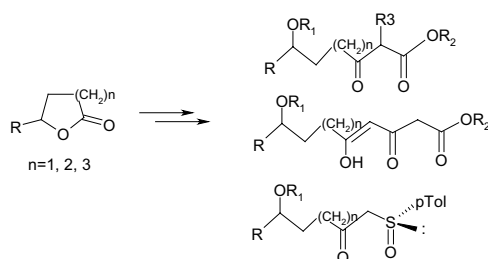
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**Ring-opening of lactones with enolate nucleophiles: a simple access to functionalised β -ketoesters, β,δ -diketoesters and β -ketosulfoxides**

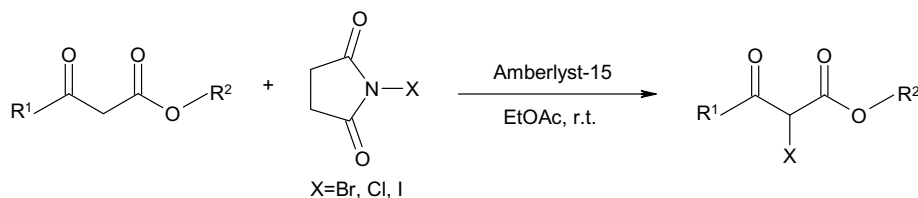
pp 619–622

Steve Lanners, Naïma Khiri, Guy Solladié and Gilles Hanquet*

**Amberlyst-15®-promoted efficient 2-halogenation of 1,3-keto-esters and cyclic ketones using *N*-halosuccinimides**

pp 623–626

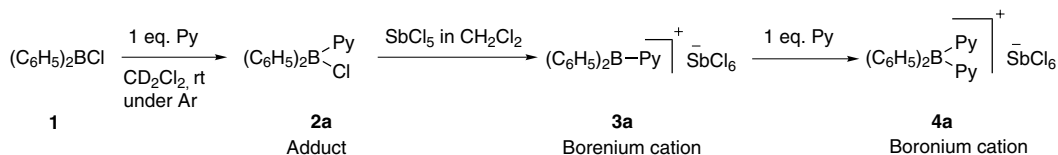
H. M. Meshram,* P. N. Reddy, K. Sadashiv and J. S. Yadav



Tricoordinate diphenylboron cation prepared in solution

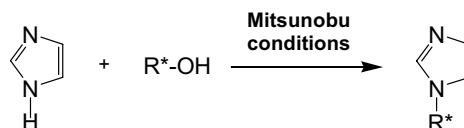
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Md. Khabir Uddin, Yoshiya Nagano, Ryoji Fujiyama, Syun-ichi Kiyooka, Mizue Fujio* and Yuho Tsuno

**Mitsunobu alkylation of imidazole: a convenient route to chiral ionic liquids**

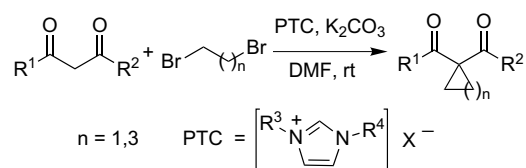
pp 631–633

Eun Jin Kim, Soo Y. Ko* and Edward K. Dziadulewicz

**Imidazolium salts as phase transfer catalysts for the dialkylation and cycloalkylation of active methylene compounds**

pp 635–638

Sengodagounder Muthusamy* and Boopathy Gnanaprakasam

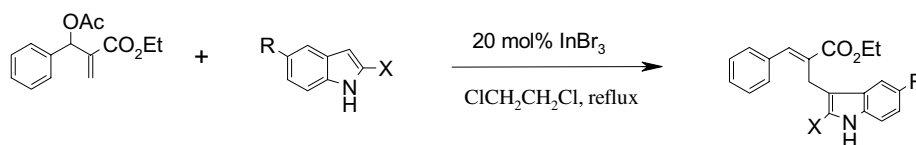


The efficient synthesis of 1,1-disubstituted derivatives and the construction of cyclopropane and cyclopentane ring systems via dialkylation and cycloalkylation reactions of active methylene compounds using imidazolium salts as phase transfer catalyst is described.

First example of the C-alkylation of indoles with Baylis–Hillman acetates

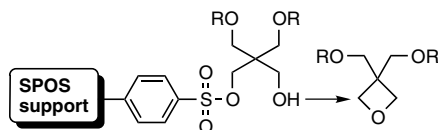
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J. S. Yadav,* B. V. Subba Reddy, A. K. Basak, A. V. Narsaiah, A. Prabhakar and B. Jagadeesh



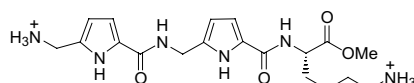
Oxetane synthesis via cyclisation of aryl sulfonate esters on polystyrene and PEG polymeric supports pp 643–645

Jonathan M. Behrendt, Kason Bala, Peter Golding and Helen C. Hailes*

**Synthesis and DNA binding properties of pyrrole amino acid-containing peptides**

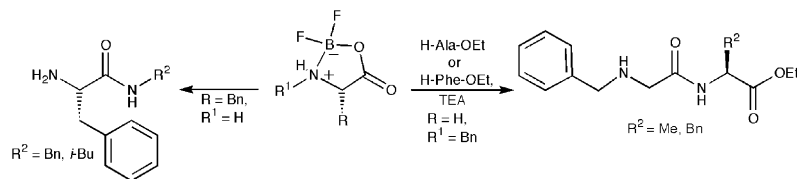
pp 647–651

Tushar Kanti Chakraborty,* Bajjuri Krishna Mohan, Muthaiah Gnanamani and Souvik Maiti*

**The synthesis of amides and dipeptides from unprotected amino acids by a simultaneous protection–activation strategy using boron trifluoride diethyl etherate**

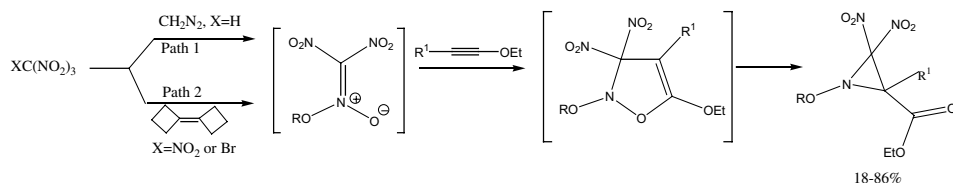
pp 653–656

S. H. van Leeuwen, P. J. L. M. Quaedflieg, Q. B. Broxterman, Y. Milhajlovic and R. M. J. Liskamp*

**Three-component reactions of polynitromethanes with alkynes. The first synthesis of *gem*-dinitroaziridines**

pp 657–659

Ekaterina M. Budynina, Elena B. Averina, Olga A. Ivanova, Tamara S. Kuznetsova* and Nikolai S. Zefirov

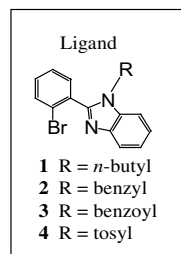
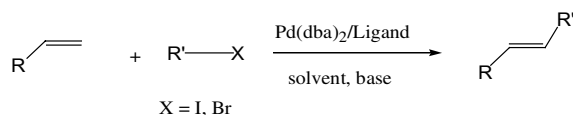


Three-component one-pot reactions of tetranitro- and bromotrinitromethanes with alkoxyacetylenes, mediated by diazomethane or bicyclobutylidene, yielding *gem*-dinitroaziridines via sequential electrophile transfer followed by [3+2]-cycloaddition, have been studied. A series of novel *N*-alkoxy-2,2-dinitroaziridines have been prepared by these reactions.

Palladium–imidazole derivatives as highly active catalysts for Heck reactions

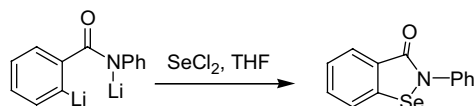
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K. Rajender Reddy* and G. Gopi Krishna

**Synthesis of diaryl selenides using the in situ reagent SeCl₂**

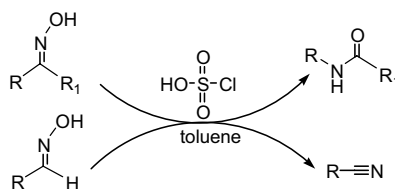
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Sanjio S. Zade, Snigdha Panda, Harkesh B. Singh* and Gotthelf Wolmershäuser

**Highly efficient Beckmann rearrangement and dehydration of oximes**

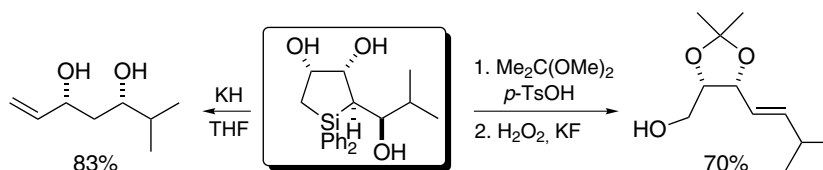
pp 671–674

Dongmei Li, Feng Shi, Shu Guo and Youquan Deng*

**Oxidative cleavage of C–Si bonds in polyhydroxylated silacyclopentanes**

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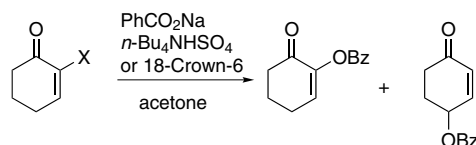
Yannick Landais* and Cédric Mahieux



Synthesis of α - and/or γ -benzoyloxy- α,β -enones from α -halo- α,β -enones

pp 681–685

Yujiro Hayashi,* Mitsuru Shoji and Satoshi Kishida



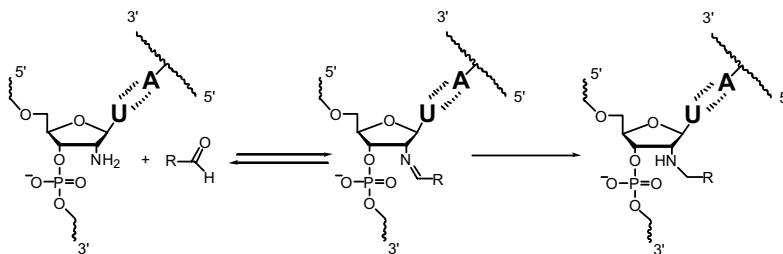
Sodium benzoate reacts with α -halo- α,β -enones in the presence of tetrabutylammonium hydrogensulfate or 18-Crown-6 to afford α - and/or γ -benzoyloxy- α,β -enones in good yield. The α/γ and γ/γ' selectivities are dependent on the substrate and reagent.

Target-induced selection of ligands from a dynamic combinatorial library of mono- and bi-conjugated oligonucleotides

pp 687–690

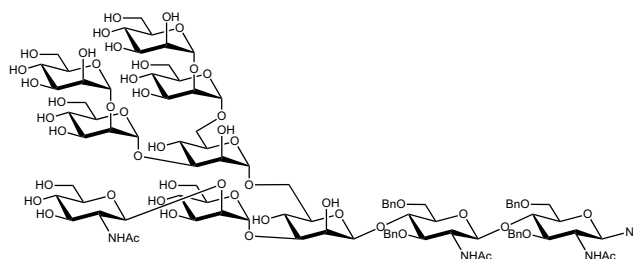
Anthony Bugaut, Katell Bathany, Jean-Marie Schmitter and Bernard Rayner*

A dynamic combinatorial chemistry (DCC) approach has been used to identify a conjugated oligonucleotide with an increased affinity for its complementary target. The result obtained demonstrates positional selection using DCC.

**Synthesis of an *N*-glycan deca-saccharide of the hybrid type**

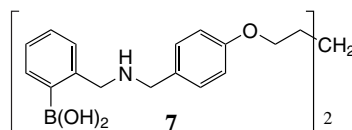
pp 691–694

Xaver Schratt and Carlo Unverzagt*

**Derivatives of pentamidine designed to target the *Leishmania* lipophosphoglycan**

pp 695–698

Kari L. Kramp, Kristin DeWitt, Jason W. Flora, David C. Muddiman, Kelli M. Slunt* and Todd A. Houston*



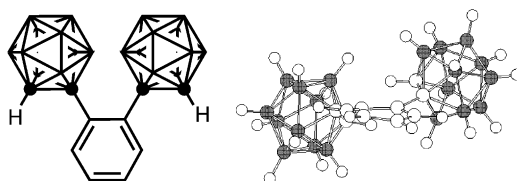
Compound **7**, based on pentamidine, was designed to increase the parent compound's affinity for the *Leishmania* cell surface. The leishmanicidal activity of **7** is similar to that of the nonboronated diamine **4** and appears to be more effective at lower concentrations.



Distorted benzene bearing two bulky substituents on adjacent positions: structure of 1,2-bis(1,2-dicarba-*closo*-dodecaboran-1-yl)benzene

pp 699–702

Yasuyuki Endo,* Chalermkiat Songkram, Kiminori Ohta, Piotr Kaszynski and Kentaro Yamaguchi

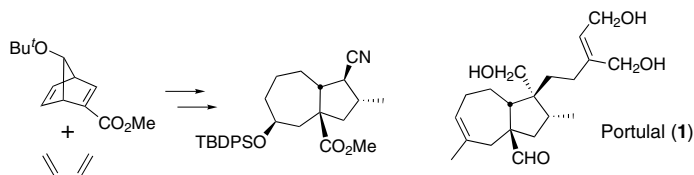


Synthesis and structural X-ray analysis of 1,2-bis(*o*-carboranyl)benzene were performed to examine the steric effects of the two extremely bulky *o*-carborane cages at adjacent positions on the planarity of the benzene ring.

Homo Diels–Alder chemistry in the synthesis of portulal: construction of the functionalized hydroazulene core

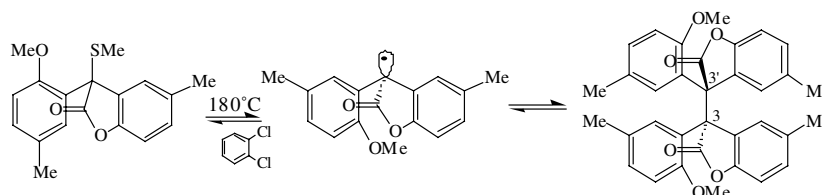
pp 703–706

Bin Ma and John K. Snyder*


Some reactions of persistent benzofuranone radicals related to the ‘old’ diazonamide structure

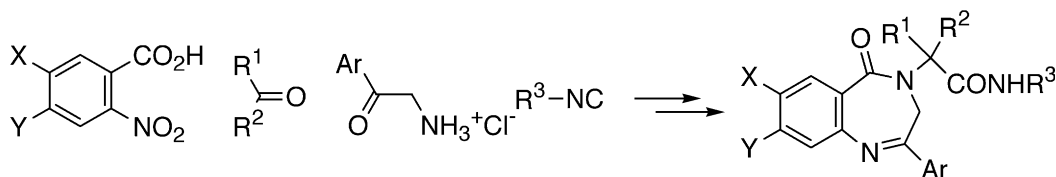
pp 707–710

Philip Magnus,* Jennifer D. Venable (nee Kreisberg), Lan Shen and Vince Lynch


A facile synthesis of 1,4-benzodiazepine derivatives via Ugi four-component condensation

pp 711–713

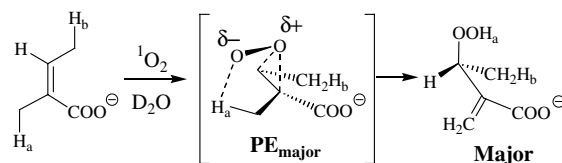
Stefano Marcaccini,* Michele Miliciani and Roberto Pepino



Novel regiochemistry in the aqueous singlet oxygen ene reactions of carboxylic acid salts: a comparison of substrate structure

pp 715–718

Kristina L. Stensaas,* Anisha Bajaj and Akram Al-Turk



The singlet oxygen photooxidations of several carboxylic acid salts were conducted in deuterated water. We attribute the observed regiochemistry to stabilizing hydrogen bonding interactions between the solvent and the peroxide, which leads to the major ene product.

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*Corresponding author

Supplementary data available via ScienceDirect

COVER

A new enantioselective total synthesis of antiangiogenic pentaketide dimers, epoxyquinols A and B, was accomplished by oxidative dimerization of a monomeric pentaketide precursor prepared from a known oxazolidinone derivative in 22% overall yield by an operationally simple thirteen-step sequence including the Evans asymmetric aldol reaction as the source of chirality. *Tetrahedron Letters* **2005**, 46, 547–549.

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