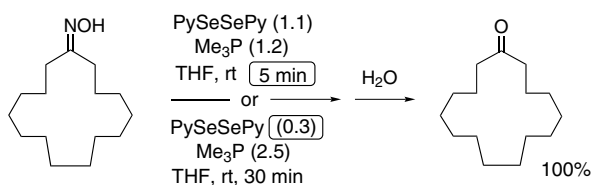


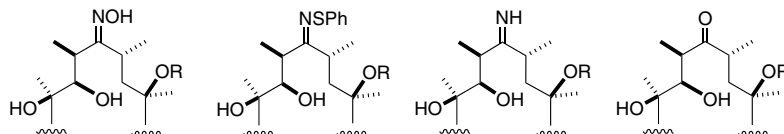
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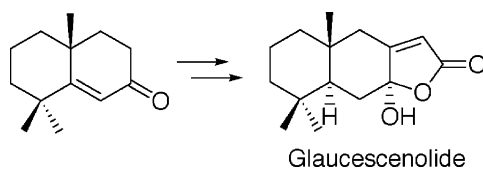
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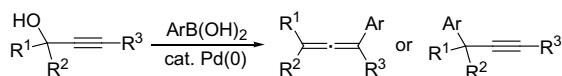


- The first synthesis and absolute configuration of glaucescenolide** pp 5569–5571
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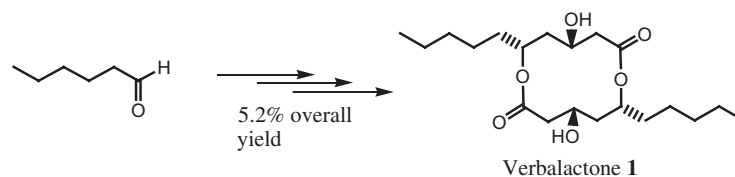
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pp 5573–5575



First total synthesis of verbalactone, a macrocyclic dilactone isolated from *Verbascum undulatum*
Siddhartha Gogoi, Nabin C. Barua* and Biswajit Kalita

pp 5577–5579



A novel synthetic approach towards 2-guanidinomethyl-4(5)-sulfamoylimidazoles

pp 5581–5583

Steve Price,* Richard Bull, Sue Cramp, Sophie Gardan, Marco van den Heuvel,
David Neighbour, Susan E. Osbourn, Iwan J. P. de Esch and Christoph L. Buenemann

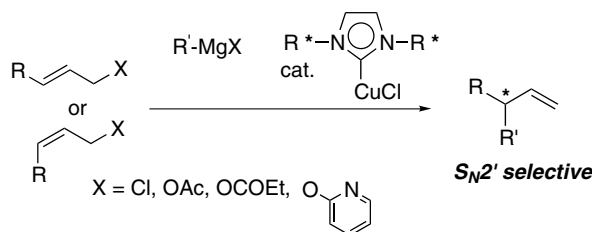


A library of 2-guanidinomethyl-4(5)-sulfamoylimidazoles was synthesised in a convergent manner by introducing a sulfonyl chloride group via a trianion electrophilic sulfonylation of suitably protected 2-guanidinomethyl imidazoles.

**γ -Selective allylic substitution reaction with Grignard reagents catalyzed by copper
N-heterocyclic carbene complexes and its application to enantioselective synthesis**

pp 5585–5588

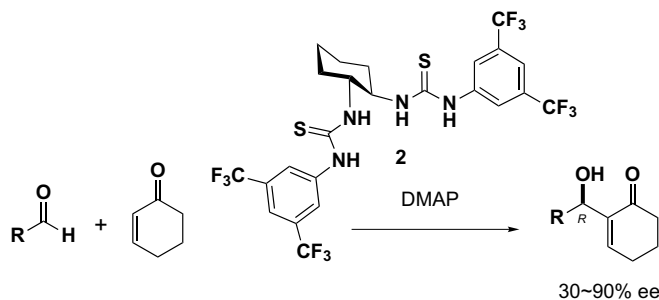
Satoshi Tominaga, Yukinao Oi, Toshio Kato, Duk Keun An and Sentaro Okamoto*



Development of bis-thiourea-type organocatalyst for asymmetric Baylis–Hillman reaction

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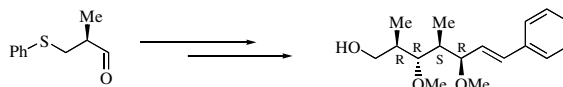
Yoshihiro Sohtome, Aya Tanatani, Yuichi Hashimoto and Kazuo Nagasawa*



Stereoselective synthesis of the enantiomer of the key fragment of crocacin

pp 5593–5595

Sadagopan Raghavan* and S. Ramakrishna Reddy

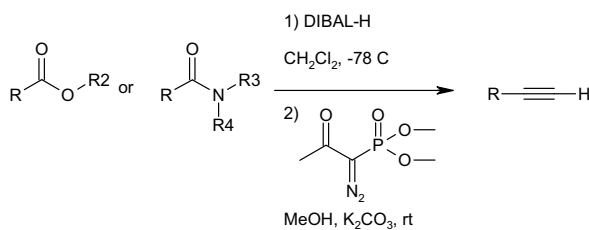


A novel, stereoselective synthesis of the enantiomer of the key fragment of crocacin is disclosed.

A convenient scalable one-pot conversion of esters and Weinreb amides to terminal alkynes

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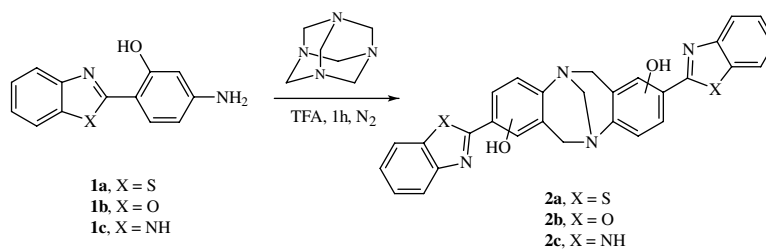
Hamilton D. Dickson, Stephon C. Smith and Kevin W. Hinkle*



Synthesis of novel Tröger's bases analogues. The first ones fluorescent by excited state intramolecular proton transfer (ESIPT)

pp 5601–5604

Carlos A. M. Abella, Fabiano S. Rodembusch and Valter Stefani*

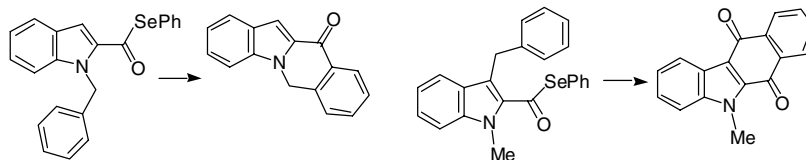


Novel Tröger's bases derived from 2-(4'-amine-2'-hydroxyphenyl)benzazoles were synthesized. The bases are highly fluorescent with a large Stokes shift.

Intramolecular reactions of 2-indolylacyl radicals: cyclisation upon aromatic rings

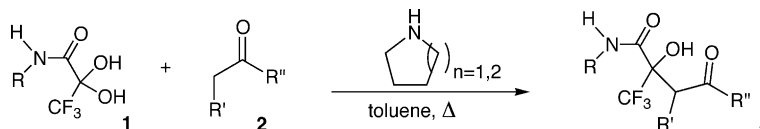
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M.-Lluïsa Bennasar,* Tomàs Roca and Francesc Ferrando

**New access to fluorinated ketoglycolic acid derivatives from trifluoropyruvamides**

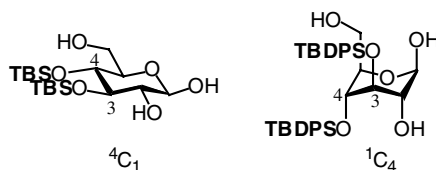
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Thomas Colin, Laurent El Kaïm,* Laetitia Gaultier, Laurence Grimaud, Laurent Gatay and Valérie Michaut

**Ring conformations of D-glucose derivatives possessing two bulky silyl protecting groups at the 3,4-positions; the first observation of a stable full-axial chair conformer without bridge structures**

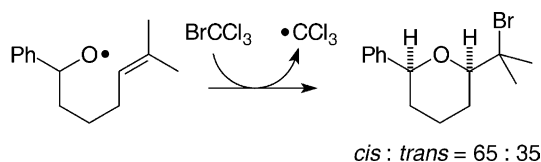
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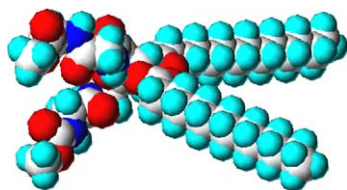
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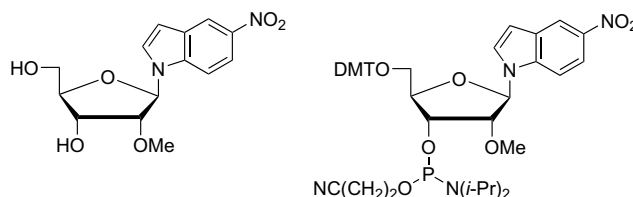
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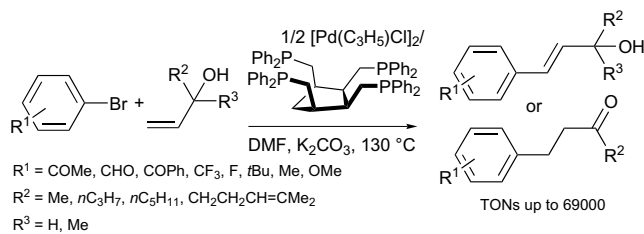
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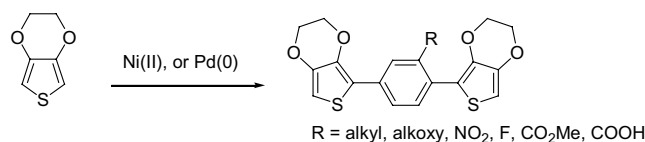
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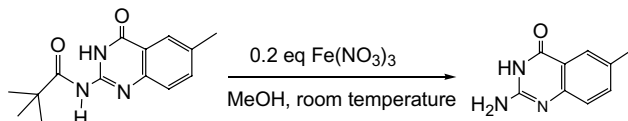
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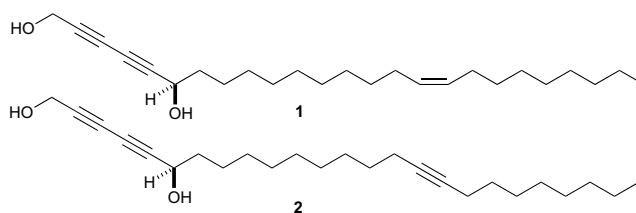
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V. Bavetsias,* E. A. Henderson and E. McDonald


Asymmetric synthesis of cytotoxic sponge metabolites *R*-strongyloidiols A and B

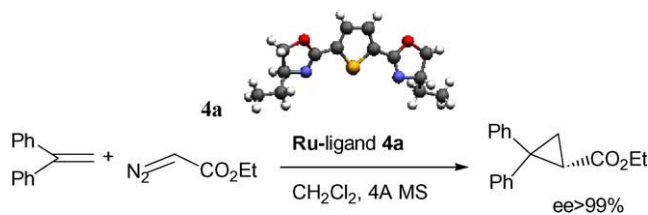
pp 5645–5647

James E. D. Kirkham, Timothy D. L. Courtney, Victor Lee* and Jack E. Baldwin*

The synthesis of *R*-strongyloidiols A **1** and B **2** by asymmetric reduction of ynones are described.
Novel structure-defined chiral bis(oxazoliny)thiophenes for Ru-catalyzed asymmetric cyclopropanation

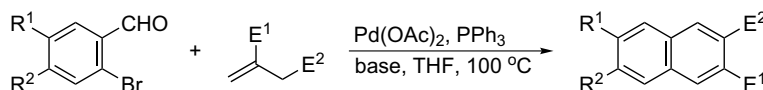
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Ming Z. Gao, Deyuan Kong, Abraham Clearfield and Ralph A. Zingaro*


Palladium-catalyzed tandem Heck and aldol reactions between 2-bromobenzaldehydes and functionalized alkenes leading to naphthalenes

pp 5653–5656

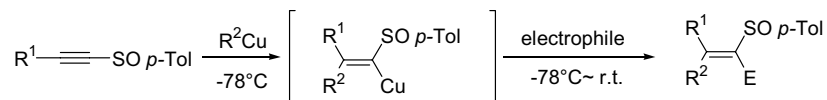
Chan Sik Cho,* Dong Kwon Lim, Jiao Qiang Zhang, Tae-Jeong Kim and Sang Chul Shim*



cis-Carbocuperation of acetylenic sulfoxides and corresponding applications in the regio- and stereoselective synthesis of polysubstituted vinyl sulfoxides

pp 5657–5660

Qing Xu and Xian Huang*

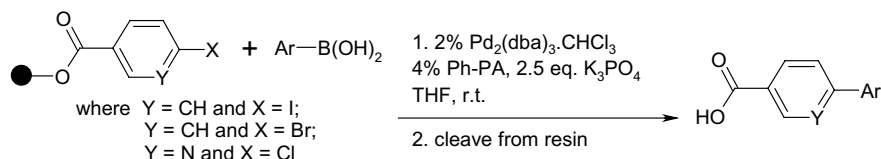


cis-Carbocuperation reaction of monoorganocopper reagent with acetylenic sulfoxides, followed by electrophilic reaction with a variety of electrophiles, provided a regio- and stereoselective method to prepare the versatile polysubstituted vinyl sulfoxides.

Solid-phase Suzuki cross-coupling reactions using a phosphine ligand based on a phospha-adamantane framework

pp 5661–5663

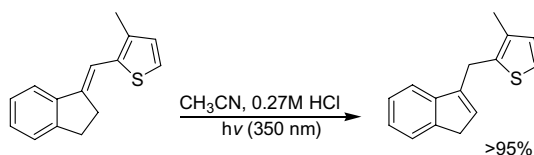
Stephan A. Ohnmacht, Tim Brenstrum, Konrad H. Bleicher, James McNulty and Alfredo Capretta*



New deconjugation reaction of (*E*)-1-indanylidene methylarene brought by photolysis with protic acid

pp 5665–5667

Tong-Ing Ho* and Tai-Chen Li



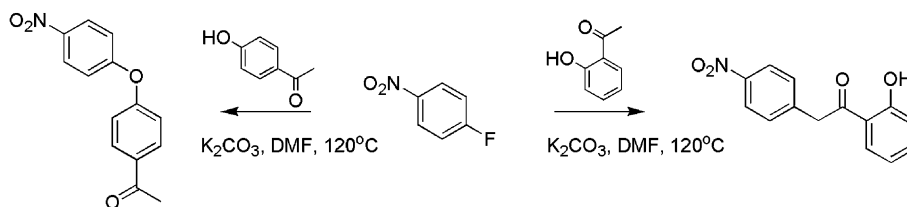
A new photodeconjugation reaction of (*E*) indanylidene methyl-arenes (**1a–d**) carried out by photolysis in the presence of protic acid are reported with 80% to >95% yields. The reaction mechanism is through the protonation of the less stable (*Z*) isomer to form stable indanyl cation followed by deprotonation.



A homologous enolate Truce–Smiles rearrangement

pp 5669–5671

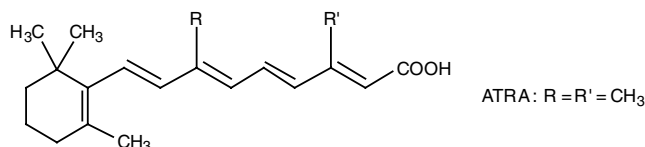
Lorna H. Mitchell* and Nicole C. Barvian



Synthesis of iodinated analogues of all *trans* retinoic acid (ATRA) for SPECT imaging

pp 5673–5676

Haibing Li and Christophe Morin*

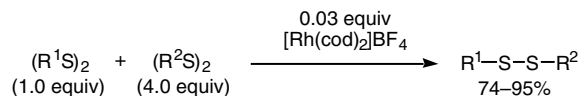


In these iodinated analogues, R or R' = I (iodine replaces a methyl group).

Phosphine-free cationic rhodium(I) complex-catalyzed disulfide exchange reaction: convenient synthesis of unsymmetrical disulfides

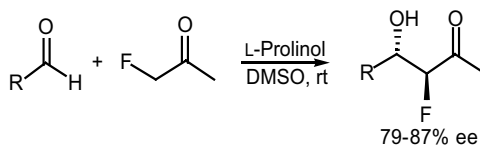
pp 5677–5679

Ken Tanaka* and Kaori Ajiki

**Amino alcohol catalyzed direct asymmetric aldol reactions: enantioselective synthesis of *anti*- α -fluoro- β -hydroxy ketones**

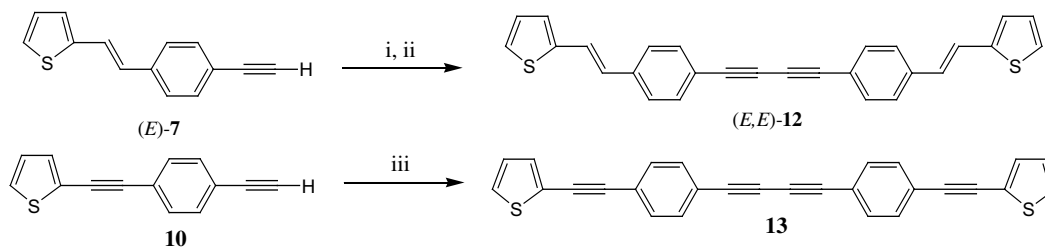
pp 5681–5684

Guofu Zhong,* Junhua Fan and Carlos F. Barbas, III*

**Synthesis of conjugated 2-arylethynyl and 2-arylethenyl thiophene structures with optical properties**

pp 5685–5688

J. Gonzalo Rodríguez,* Antonio Lafuente and Laura Rubio

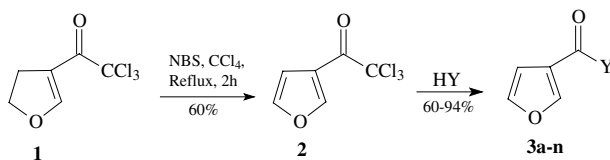


i. KOB_r, H₂O/THF ii. (E)-7, Et₂NH, NH₂OH.HCl, Cu₂Cl₂, MeOH iii. Cu₂Cl₂/O₂, Py

Convenient synthesis of furan-3-carboxylic acid and derivatives

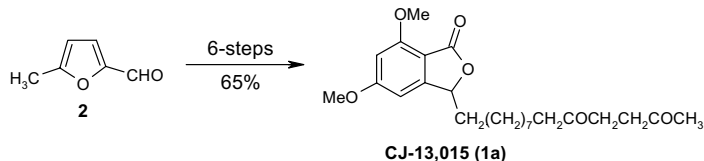
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Nilo Zanatta,* Débora Faoro, Simone C. Silva, Helio G. Bonacorso and Marcos A. P. Martins

**Synthesis of a new microbial secondary metabolite: anti-*Helicobacter pylori* CJ-13,015**

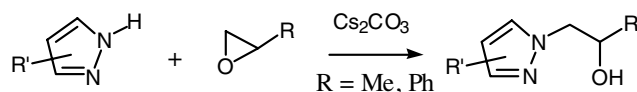
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Mukulesh Mondal and Narshinha P. Argade*

**An efficient synthesis of β-hydroxyethylpyrazoles from propylene and styrene oxide using Cs₂CO₃**

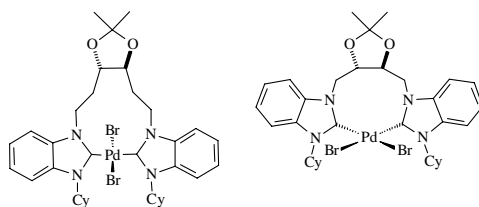
pp 5697–5701

Virginie Duprez and Andreas Heumann*

**Synthesis and structure of C₂-symmetric N-heterocyclic carbene complexes of palladium**

pp 5703–5706

Colin Marshall,* Mark F. Ward and William T. A. Harrison*

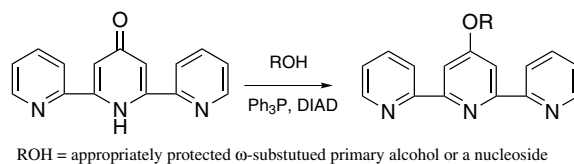


The synthesis and structural elucidation of the first chiral 9- and 11-membered square planar C₂-symmetric benzimidazol-2-ylidene palladium(II) complexes are reported.

Synthesis of 4'-substituted 2,2':6',2''-terpyridines via a Mitsunobu reaction

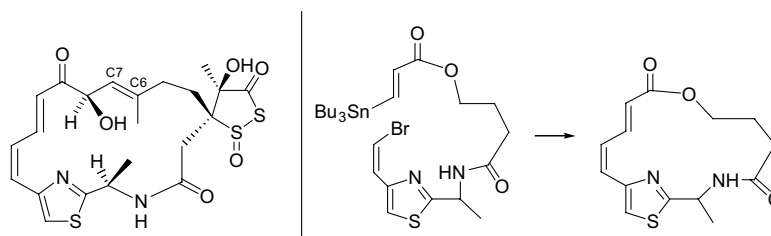
pp 5707–5709

Jari Hovinen

**Synthesis and noncovalent DNA-binding properties of thiazole derivatives related to leinamycin**

pp 5711–5716

Leonid Breydo, Hong Zang and Kent S. Gates*

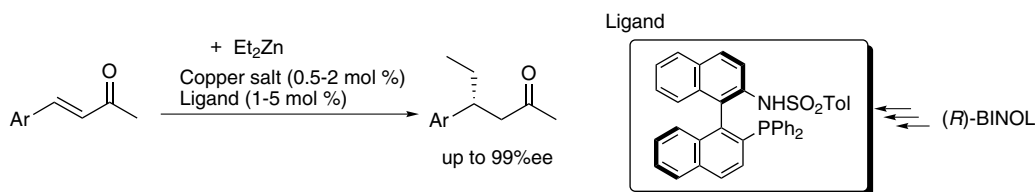


A series of compounds related to the macrocyclic portion of the DNA-damaging antitumor agent leinamycin were prepared as tools to characterize noncovalent DNA binding by this natural product.

A new chiral 2-sulfonylamino-2'-phosphino-1,1'-binaphthyl ligand for highly enantioselective copper-catalyzed conjugate addition of diethylzinc to benzylideneacetones

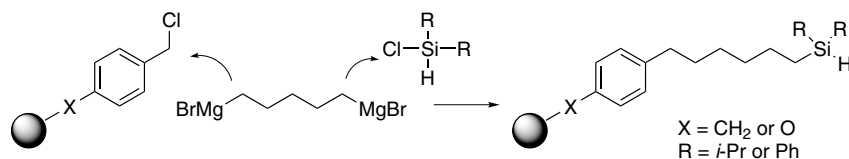
pp 5717–5722

Toshiaki Morimoto,* Nobuhiro Mochizuki and Masato Suzuki

**An efficient synthesis of polymer-supported silyl linkers using a di-Grignard reagent**

pp 5723–5726

Takayuki Doi, Masahito Yoshida, Ichiro Hijikuro and Takashi Takahashi*

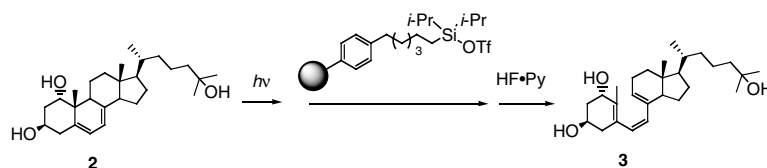


Sequential coupling of a di-Grignard reagent to benzyl chloride resin and dialkylchlorosilane was achieved.

Selective capture of 1 α ,25-(OH) $_2$ -previtamin D $_3$ utilizing polymer-supported trialkylsilyl triflate in the synthesis of 1 α ,25-(OH) $_2$ -vitamin D $_3$

pp 5727–5729

Takayuki Doi, Masahito Yoshida, Ichiro Hijikuro and Takashi Takahashi*

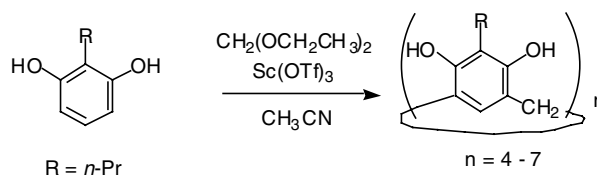


Previtamin D₃ was selectively captured and released from a mixture of photo-isomerization products of provitamin D₃ utilizing polymer-supported diisopropylalkyl triflate.

Sc(OTf) $_3$ -catalyzed cyclocondensation of 2-propylresorcinol with diethoxymethane. Formation and fragmentation of resorcin[*n*]arenes

pp 5731–5734

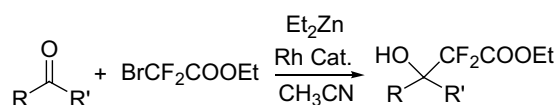
Osamu Morikawa, Masashi Yanagimoto, Hijiri Sakakibara, Kazuhiro Kobayashi and Hisatoshi Konishi*



Rhodium-catalyzed Reformatsky-type reaction of ethyl bromodifluoroacetate

pp 5735–5737

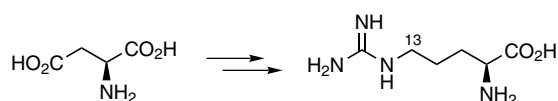
Kazuyuki Sato, Atsushi Tarui, Tetsuya Kita, Yoshitaka Ishida, Hanae Tamura, Masaaki Omote, Akira Ando and Isumaro Kumadaki*



A flexible approach for the synthesis of selectively labelled L-arginine

pp 5739–5741

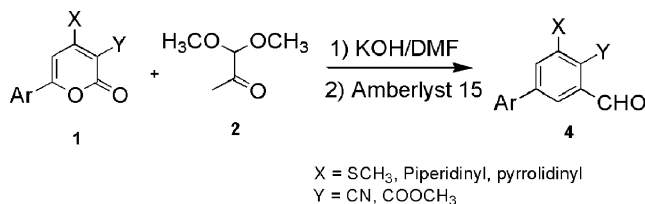
Deborah J. Hamilton and Andrew Sutherland*



An innovative approach to the synthesis of substituted benzaldehydes through carbanion induced ring transformation of suitably functionalized 2*H*-pyran-2-ones

pp 5743–5745

Ramendra Pratap, Diptesh Sil and Vishnu Ji Ram*


Pd–Cu catalyzed heterocyclization during Sonogashira coupling: synthesis of 3-benzylthiazolo[3,2-*a*]benzimidazole

pp 5747–5749

Majid M. Heravi,* Ali Keivanloo, Mohammad Rahimizadeh, Mehdi Bakavoli and Mitra Ghassemzadeh

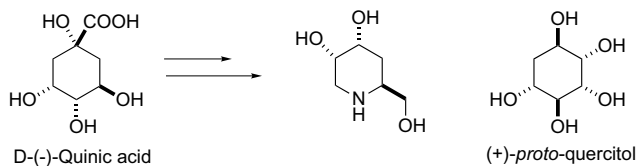


The reaction of 2-mercaptopropargyl benzimidazole with various iodobenzenes catalyzed by Pd–Cu leads to the formation of 3-benzylthiazolo[3,2-*a*]benzimidazoles.

A facile synthesis of a new trihydroxy piperidine derivative and (+)-*proto*-quercitol from D-(–)-quinic acid

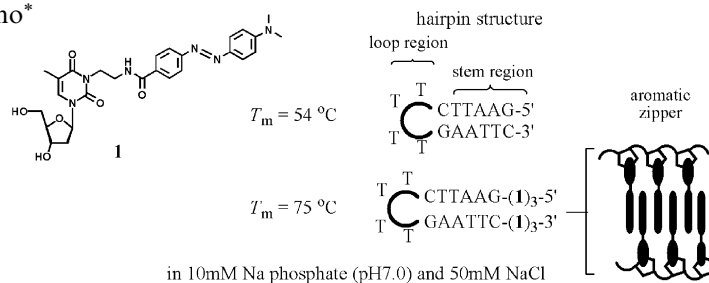
pp 5751–5754

Tzenge-Lien Shih,* Wei-Shen Kuo and Ya-Ling Lin


DNA-based aromatic zipper fastened by an aromatic stacking interaction

pp 5755–5758

Mio Kubota and Akira Ono*



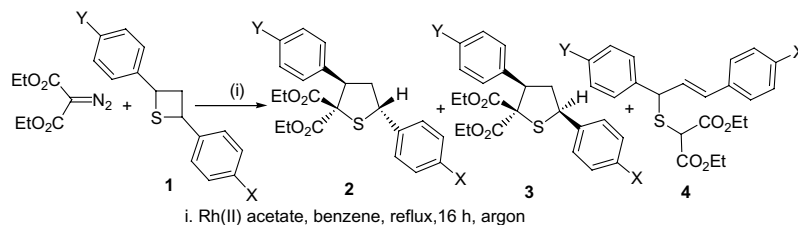
A novel nucleic acid-based structural motif, the aromatic zipper, which fastens via the stacking interactions of aromatic residues that are attached to DNA strands, was created. The aromatic zipper can be used to stabilize structural motifs in nucleic acids and their analogues, such as hairpin structures, by fastening their ends.



The Rh(II) catalyzed reaction of diethyl diazomalonate with thietanes: a facile synthesis of tetrahydrothiophene derivatives via sulfonium ylides

pp 5759–5762

Vijay Nair,* Smitha M. Nair, Sindhu Mathai, Jürgen Liebscher, Burkhard Ziemer and K. Narsimulu



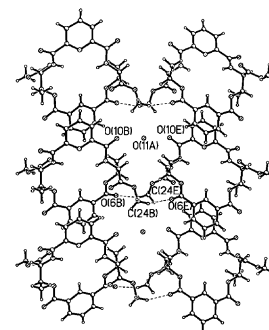
A facile Rh(II) catalyzed reaction of diethyl diazomalonate with thietanes leading to highly substituted tetrahydrothiophenes along with allyl thioethers is described.

Chain-like assembly of threonine-based cyclophanes through π - π interaction and C-H...O hydrogen bond

pp 5763–5766

Wei Guo, Jiaqi He, Zucheng Li and Jin-Pei Cheng*

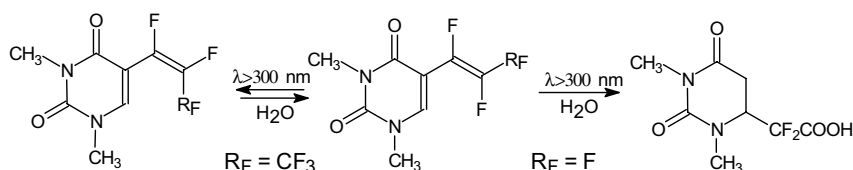
In this paper, we described the conversion of tube to chain assembly of threonine-based cyclophanes by variation of the steric demand of molecules. The interesting properties of these cyclophanes in hosting hydroxyl-containing guest molecules through three-centered hydrogen bonding and the C-H...O hydrogen bonds were also reported.



Photochemical behaviour of 5-perfluoroalkenyl uracils

pp 5767–5769

Henryk Koroniak,* Piotr Karwatka and Tomasz Cytlak

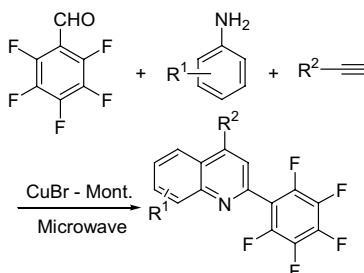


Phototransformations of derivatives of 5-fluoroalkenyl uracils depend strongly on fluorinated substituents.

Microwave promoted solvent-free one-pot three-component reaction to 2-pentafluorophenylquinoline derivatives

pp 5771–5773

Jian-ming Zhang,* Wen Yang, Li-ping Song, Xian Cai and Shi-zheng Zhu*




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*Corresponding author

* Supplementary data available via ScienceDirect



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