

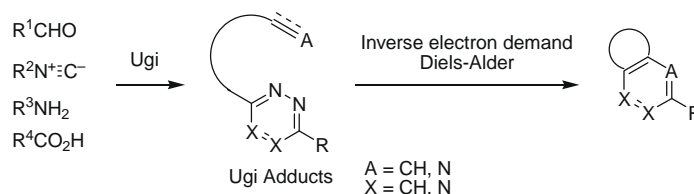
Tetrahedron Letters Vol. 50, No. 42, 2009

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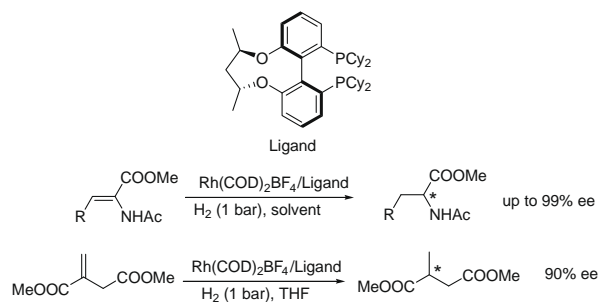
Synthesis of substituted fused pyridines, pyrazines and pyrimidines by sequential Ugi/inverse electron demand Diels–Alder transformations pp 5773–5776

Irini Akritopoulou-Zanze^{*}, Ying Wang, Hongyu Zhao, Stevan W. Djuric



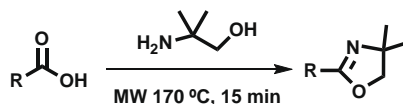
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Yaping Zou, Huiling Geng, Weicheng Zhang, Shichao Yu, Xumu Zhang^{*}



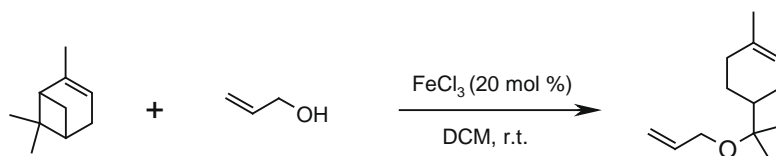
Open vessel mode microwave-assisted synthesis of 2-oxazolines from carboxylic acids pp 5780–5782

Rishi Sharma, Subramanian K. Vadivel, Richard I. Duclos Jr., Alexandros Makriyannis^{*}

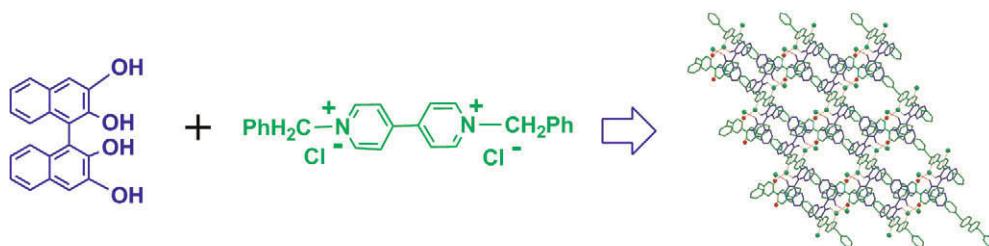


FeCl₃-catalyzed functionalization of monoterpenes via hydroalkylation of unactivated alkenes

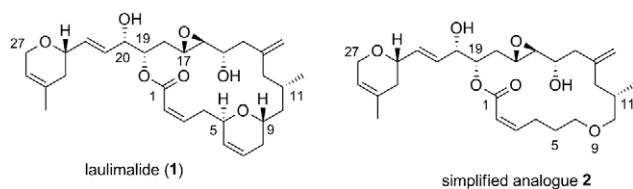
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J. S. Yadav^{*}, B. V. Subba Reddy, G. Narasimhulu, K. V. Purnima**Charge-transfer host complex with channel-like cavity using disubstituted-1,1'-bi-2-naphthol and benzylviologen**

pp 5786–5789

Takafumi Kinuta, Yuko Kise, Kensaku Kamon, Nobuo Tajima, Tomohiro Sato, Reiko Kuroda, Yoshio Matsubara^{*}, Yoshitane Imai^{*}*CT host complex with channel-like cavity***Synthesis and biological evaluation of a *des*-dihydropyran laulimalide analog**

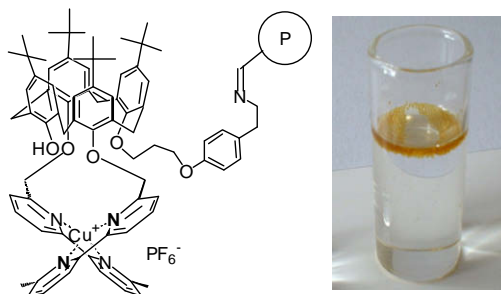
pp 5790–5792

Andreas Gollner^{*}, Karl-Heinz Altmann, Jürg Gertsch, Johann Mulzer^{*}

The preparation of a novel simplified Laulimalide analog via a highly convergent and efficient route and its biological evaluation are presented. The outlined route enables the synthesis of C₅–C₉ modified analog **2** and uses Julia–Kocienski olefination for fragment assembly and a regioselective Yamaguchi macrolactonization for ring closure. This strategy should be suitable for the generation of various new C₅–C₉ *des*-dihydropyran laulimalide derivatives for further SAR studies.

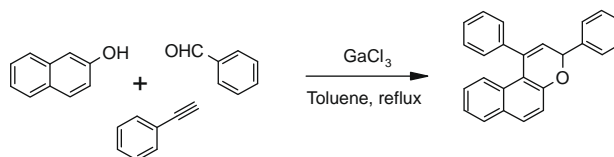
Cu(I) and Zn(II) chelations on polymer beads modified by attachment of a bipyridyl-calixarene-based chelate

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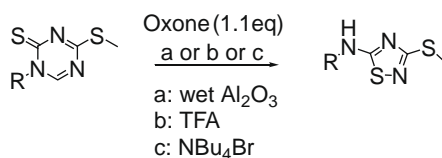
Yannick de Gaetano, Igor Clarot, Jean-Bernard Regnouf-de-Vains^{*}

Gallium(III) chloride-catalyzed three-component coupling of naphthol, alkyne and aldehyde: a novel synthesis of 1,3-disubstituted-3H-benzof[*f*] chromenes

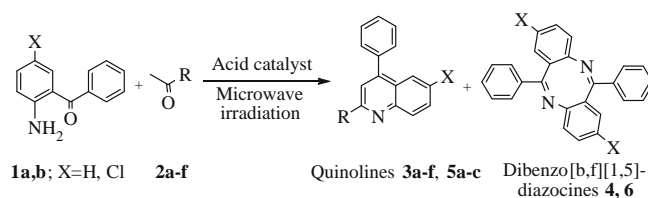
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J. S. Yadav ^{*}, B. V. Subba Reddy, Swapan Kumar Biswas, Sandip Sengupta**Original ring contraction of triazine derivatives to 1,2,4-thiadiazoles**

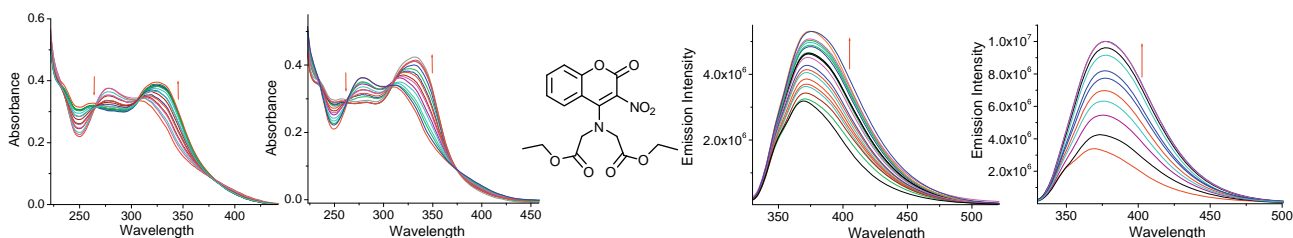
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Vincent Kikelj, Karine Julienne, Jean-Claude Meslin, David Deniaud ^{*}**Simple synthesis of quinolines and dibenzo[*b,f*][1,5]diazocines under microwave irradiation**

pp 5805–5807

Dai-Il Jung ^{*}, Ju-Hyun Song, Eon-jin Lee, Yun-Young Kim, Do-Hun Lee, Yong-Gyun Lee, Jung-Tai Hahn**New coumarin-based sensor molecule for magnesium and calcium ions**

pp 5808–5812

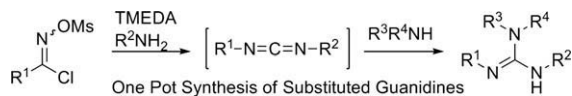
Moorthy Suresh, Amitava Das ^{*}

A new coumarin sensor molecule (L_1) has been synthesized. This was found to bind preferentially to calcium and magnesium ions. On binding to these two metal ions fluorescence of the coumarin was found to be enhanced. Both ICT and PET processes are presumed to be operational. Fluorescence was found to be quenched for Hg^{2+} . Results of the steady state fluorescence studies matched well with those of time resolved studies using TCSPC technique.



Application of α -chloroaldoxime O-methanesulfonates to one-pot synthesis of N,N,N' -substituted guanidines via Tiemann rearrangement pp 5813–5815

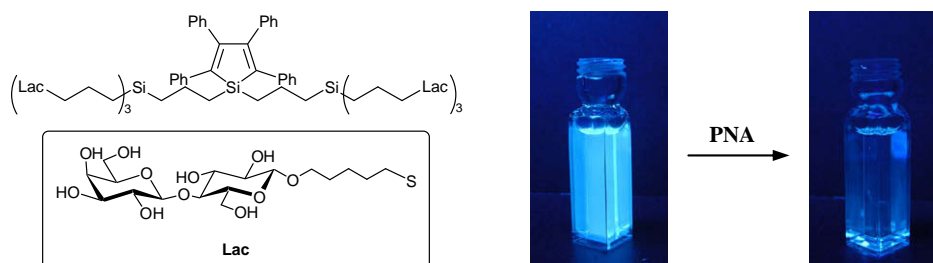
Yuhei Yamamoto^{*}, Hiroo Mizuno, Takayuki Tsuritani, Toshiaki Mase



A practical one-pot synthesis of N,N,N' -trisubstituted guanidines via Tiemann rearrangement involving the reaction of α -chloroaldoxime O-methanesulfonates with alkyl amines is disclosed.

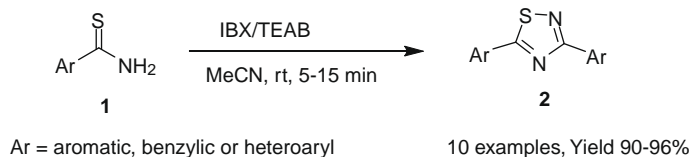
Fluorescence quenching detection of peanut agglutinin based on photoluminescent silole-core carbosilane dendrimer peripherally functionalized with lactose pp 5816–5819

Ken Hatano^{*}, Hitoshi Saeki, Hiroo Yokota, Hiroaki Aizawa, Tetsuo Koyama, Koji Matsuoka, Daiyo Terunuma



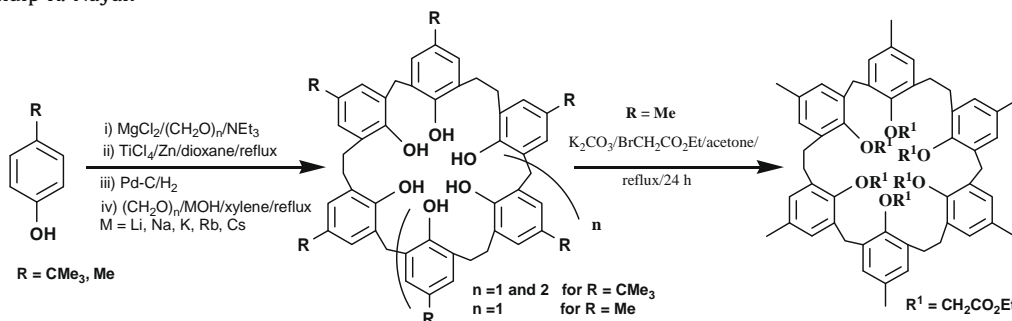
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Reductive deoxygenation of *ortho*-hydroxyaromatic aldehydes to 1,2-bis(hydroxyaryl)ethanes: application to the synthesis of ethylene bridged calixarene-analogous metacyclophanes pp 5823–5826

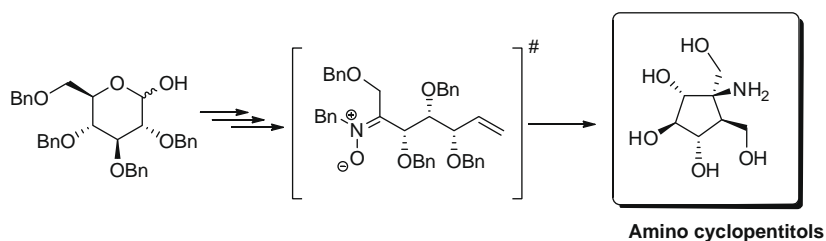
Suchitra Bhatt, Sandip K. Nayak^{*}



Intramolecular ketonitrone-olefin cycloaddition reaction: direct and stereocontrolled synthesis of nitrogenated quaternary centered aminocyclopentitols as galactosidase inhibitors

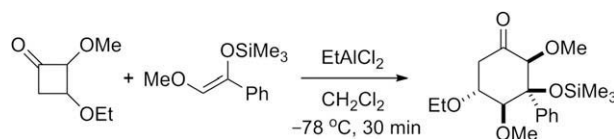
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Y. Suman Reddy, P. Kadigachalam, Venkata Ramana Doddi, Yashwant D. Vankar *

**Formal [4+2] cycloaddition between 3-ethoxycyclobutanones and silyl enol ethers**

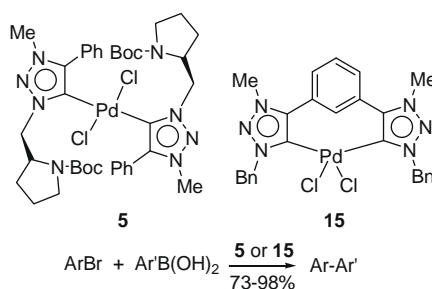
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Jun-ichi Matsuo *, Shoko Negishi, Hiroyuki Ishibashi

**Palladium complexes with abnormal N-heterocyclic carbene ligands derived from 1,2,3-triazolium ions and their application in Suzuki coupling**

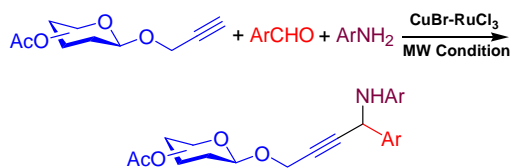
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Thandavamurthy Karthikeyan, Sethuraman Sankararaman *

**Efficient Grignard-type addition of sugar alkynes via C–H activation to imines using Cu–Ru catalyst under microwave conditions**

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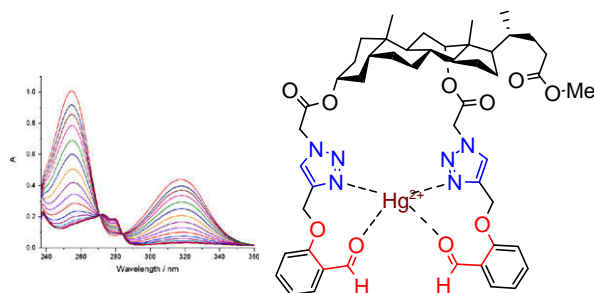
Bimalendu Roy, Ritu Raj, Balaram Mukhopadhyay *



Steroidal 1,2,3-triazole-based sensors for Hg²⁺ ion and their logic gate behaviour

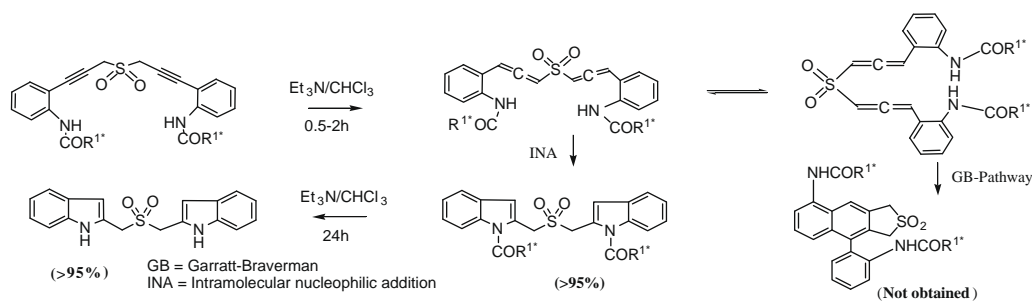
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Anjul Kumar, Pramod S. Pandey *

Synthesis of C₂-symmetric bis-indolyl sulfones

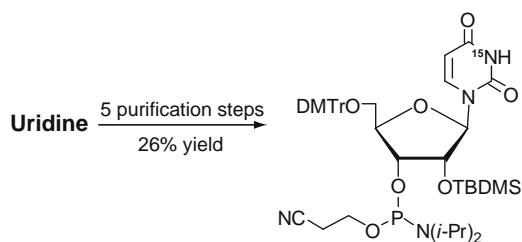
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Tapobrata Mitra, Sanket Das, Amit Basak *

Optimized synthesis of [3-¹⁵N]-labeled uridine phosphoramidites

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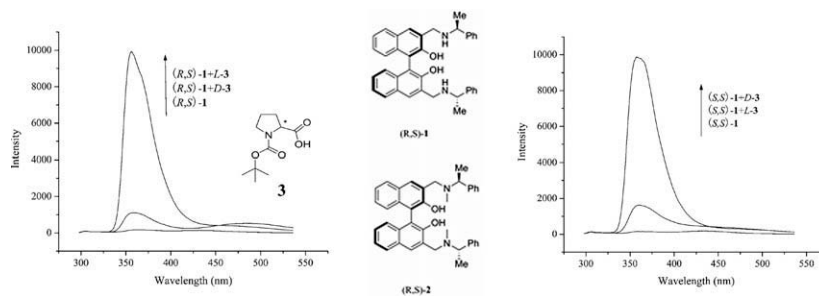
Bharat Baral, Pawan Kumar, Brooke A. Anderson, Michael E. Østergaard, Pawan K. Sharma, Patrick J. Hrdlicka *



Highly enantioselective fluorescent sensor for chiral recognition of amino acid derivatives

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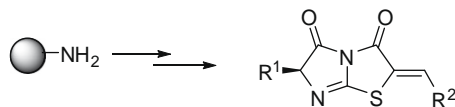
Xuan He, Xin Cui, Maosi Li, Lili Lin, Xiaohua Liu, Xiaoming Feng *



Solid-phase synthesis of 2-alkylidene-6-alkyl-imidazo[2,1-b]thiazole-3,5[2H,6H]-dione derivatives

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Yangmei Li, Marc Giulianotti, Richard A. Houghten *

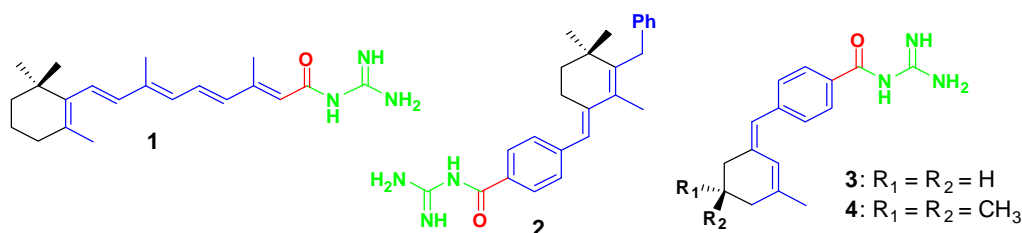


A solid-phase synthesis of 2-alkylidene-6-alkyl-imidazo[2,1-b]thiazole-3,5[2H,6H]-dione derivatives is reported. The desired products were obtained in good purities and yields.

Design and synthesis of guanidine-containing novel retinoids

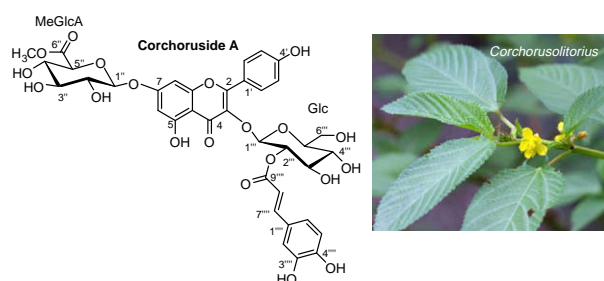
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Bhaskar C. Das *, Sakkarapalayam M. Mahalingam, Pranoy Mohapatra

**Corchorusides A and B, new flavonol glycosides as α -glucosidase inhibitors from the leaves of *Corchorus olitorius***

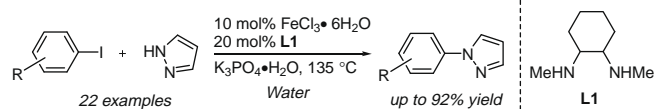
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Preecha Phuwapraisirisan *, Thanchanok Puksasook, Udom Kokpol, Khanit Suwanborirux


**Iron complex-catalyzed N-arylation of pyrazoles under aqueous medium**

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Hang Wai Lee, Albert S. C. Chan, Fuk Yee Kwong *



*Corresponding author

 Supplementary data available via ScienceDirect

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