

Tetrahedron Letters Vol. 49, No. 37, 2008

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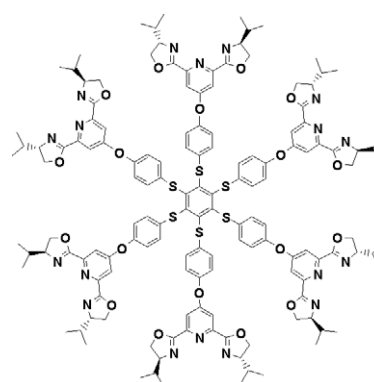
COMMUNICATIONS

A multivalent PyBox asterisk ligand

pp 5355–5358

Catherine Aubert, Carol Dallaire, Marc Gingras *

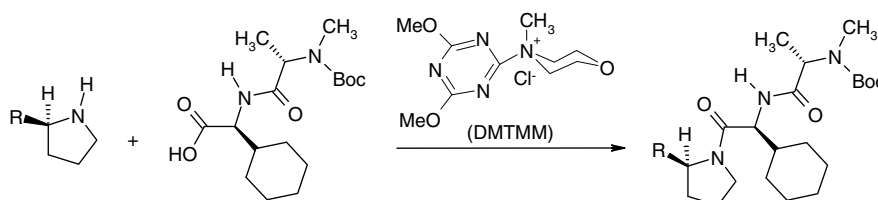
The synthesis, properties (UV–vis, cyclic voltammetry, and MALDI–Tof MS) and multivalency of a sulfur-rich PyBox asterisk ligand were investigated. In spite of multiple coordinating sulfur ligands from a persulfurated benzene core, the asterisk ligand was compatible with a transition metal-catalyzed reaction (an enantioselective Rh-catalyzed hydrosilylation of acetophenone) which was dependent on the metal content. The usefulness of this ligand could be broader for synthesis and it promotes new thoughts toward chiral supramolecular assemblies, metal sensing devices and stabilized metal nanoparticles.



Synthesis of sterically-hindered peptidomimetics using 4-(4,6-dimethoxy-1,3,5-triazine-2-yl)-4-methyl-morpholinium chloride

pp 5359–5362

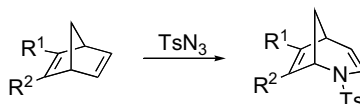
Wen-Chung Shieh *, Zhuoliang Chen *, Song Xue, Joe McKenna, Run-Ming Wang, Kapa Prasad, Oljan Repič



Ring expansion of substituted norbornadienes for the synthesis of mono- and disubstituted 2-azabicyclo[3.2.1]octadienes

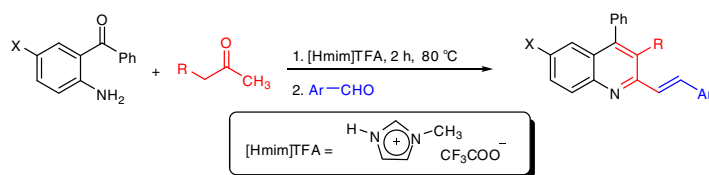
pp 5363–5365

Nova Emelda, Stephen C. Bergmeier *



A new and efficient one-pot procedure for the synthesis of 2-styrylquinolines

pp 5366–5368

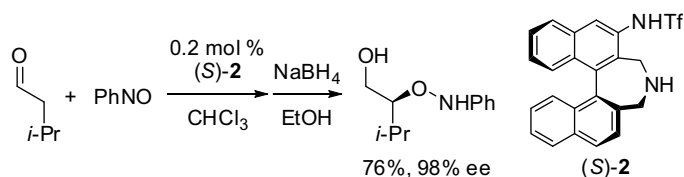
Minoo Dabiri ^{*}, Peyman Salehi ^{*}, Mostafa Baghbanzadeh, Maryam Shakouri Nikcheh

A combination of a modified Friedländer annulation and a Knoevenagel condensation provides 2-styrylquinolines in good to excellent yields.



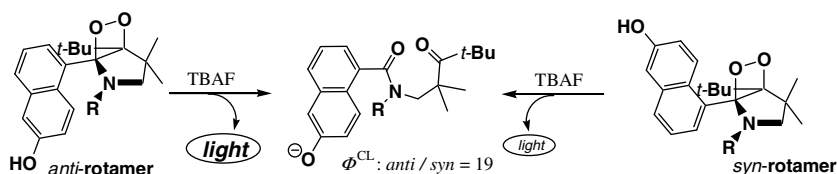
Direct asymmetric aminoxylation reaction catalyzed by a binaphthyl-based chiral amino sulfonamide with high catalytic performance

pp 5369–5371

Taichi Kano, Akihiro Yamamoto, Keiji Maruoka ^{*}

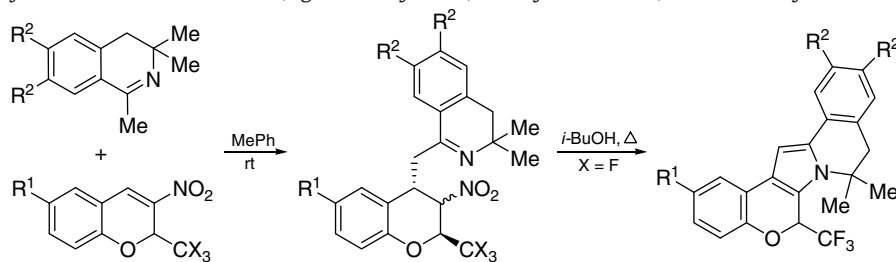
Rotamer-dependent chemiluminescence in the intramolecular charge-transfer-induced decomposition of bicyclic dioxetanes bearing a hydroxyaryl group

pp 5372–5375

Masakatsu Matsumoto ^{*}, Haruna Suzuki, Yuusuke Sano, Nobuko Watanabe, Hisako K. Ijuin

A facile route to the pentacyclic lamellarin skeleton via Grob reaction between 3-nitro-2-(trifluoromethyl)-2H-chromenes and 1,3,3-trimethyl-3,4-dihydroisoquinolines

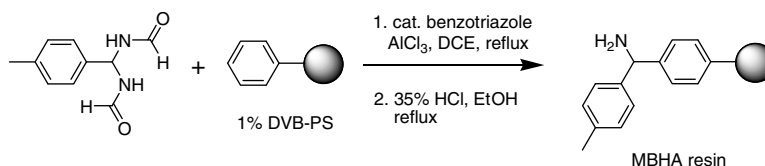
pp 5376–5379

Vladislav Yu. Korotaev, Vyacheslav Ya. Sosnovskikh ^{*}, Igor B. Kutyashev, Alexey Yu. Barkov, Yurii V. ShklyayevR¹ = H, Me, MeO, Br; R² = H, Me, MeO; X = F, Cl

Preparation of MBHA resin by benzotriazole-mediated amidoalkylation

pp 5380–5382

Tae-Kyung Lee, Jeong-Hyun Choi, Jang-Woong Byun, Yoon-Sik Lee *

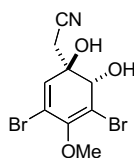


MBHA (4-methylbenzhydramine) resin is widely used as a solid support for the synthesis of carboxamides or peptide amides. Herein, we report a new method for synthesizing MBHA resin by benzotriazole-mediated amidoalkylation. MBHA resin was efficiently prepared with benzotriazolyl linker or bis(formamide) linker, and it showed good properties as a solid support.

**Structure of zamamistatin—a correction**

pp 5383–5384

Masaki Kita, Yuta Tsunematsu, Ichiro Hayakawa, Hideo Kigoshi *

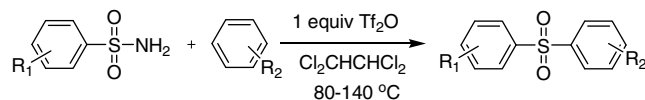


zamamistatin (revised structure)
aeroplysinin-1

Sulfonylation of arenes with sulfonamides

pp 5385–5388

Bangben Yao, Yuhong Zhang *

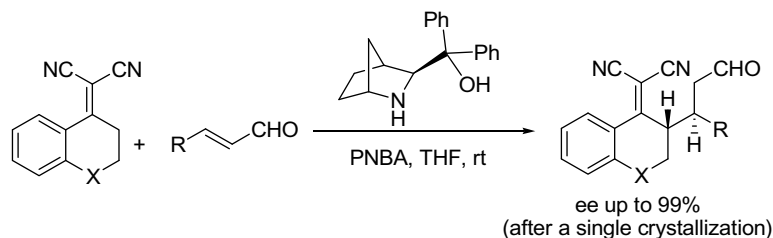


In the presence of triflic anhydride, sulfonylation of arenes with sulfonamides proceeded smoothly in Cl₂CHCHCl₂ at 80–140 °C, which gave rise to the desired products in good to excellent yields.

Enantioselective direct vinylogous Michael addition reaction catalyzed by organic molecules

pp 5389–5392

Jun Lu, Feng Liu, Wei-Juan Zhou, Teck-Peng Loh *



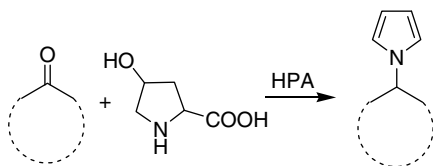
Chiral 2-azanorbonyl-3-methanol is used as an organocatalyst for the highly enantioselective direct vinylogous Michael addition reaction of vinyl malononitriles to α,β -unsaturated aldehydes. In many cases, the products can be obtained in almost optically pure form (>95% ee) after a single recrystallization.



Highly efficient synthesis of 3-pyrrolyl-indolinones and pyrrolyl-indeno[1,2-*b*]quinoxalines catalyzed by heteropolyacids

pp 5393–5396

Ali Reza Karimi*, Flora Behzadi, Mostafa Mohammadpour Amini

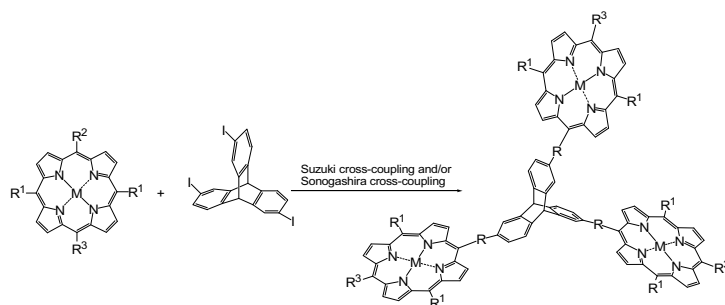


Simple and improved conditions have been found for the synthesis of 3-pyrrolyl-indolinones and pyrrolyl-indeno[1,2-*b*]quinoxalines by coupling of 4-hydroxyproline with isatins and 11*H*-indeno[1,2-*b*]quinoxalin-11-ones using Keggin ($H_3PW_{12}O_{40}$) and Well–Dawson tungsten heteropolyacids ($H_6P_2W_{18}O_{62}$).

Triptycene as a rigid, 120° orienting, three-pronged, covalent scaffold for porphyrin arrays

pp 5397–5399

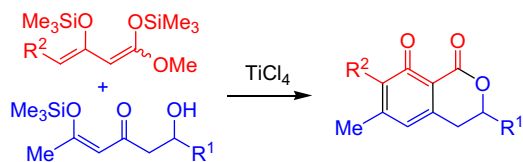
Katja Dahms, Mathias O. Senge*



Synthesis of 3-aryl-3,4-dihydroisocoumarins by regioselective domino ‘[3+3] cyclization/lactonization’ reactions of 1,3-bis-(silyloxy)-1,3-butadienes with 1-hydroxy-5-silyloxy-4-en-3-ones

pp 5400–5402

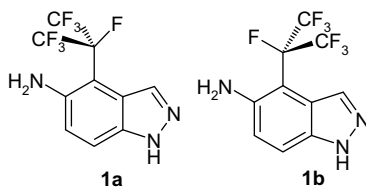
Muhammad Sher, Asad Ali, Helmut Reinke, Peter Langer*



Atropisomerism about a heptafluoroisopropyl to aryl bond in 5-amino-4-heptafluoroisopropyl indazole

pp 5403–5404

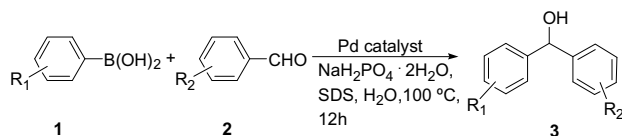
Bahiya Atouioual, Leonhard Hagmann, Pierre M. J. Jung*, Emmanuel Lamy, Tammo Winkler



Cyclopalladated complexes catalyzed addition of arylboronic acids to aldehydes in neat water

pp 5405–5407

Ajuan Yu, Baoli Cheng, Yangjie Wu*, Jingya Li, Kun Wei

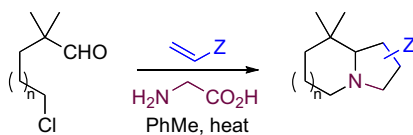


Cyclopalladated ferrocenylimine complexes gave high yields for the addition of arylboronic acids with aldehydes in neat water using a weak acid as additive.

Cascade cyclization intermolecular dipolar cycloaddition by multi-component couplings—synthesis of indolizidines and pyrrolizidines

pp 5408–5410

Iain Coldham*, Samaresh Jana, Luke Watson, Christopher D. Pilgram

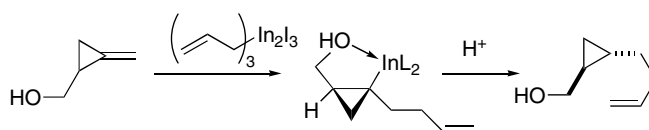


Addition of amino-acids or amino-esters to aldehydes bearing a leaving group, then cycloaddition of the resulting azomethine ylides provide bicyclic amine products.

Allylation of methylenecyclopropanes with allylindium reagents

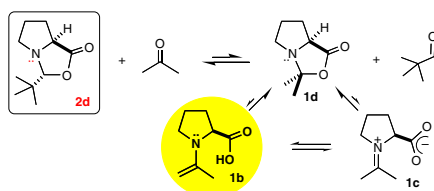
pp 5411–5413

Tsunehisa Hirashita*, Yusuke Daikoku, Hitoshi Osaki, Mamiko Ogura, Shuki Araki

**Seebach's oxazolidinone is a good catalyst for aldol reactions**

pp 5414–5418

Carles Isart, Jordi Burés, Jaume Vilarrasa*



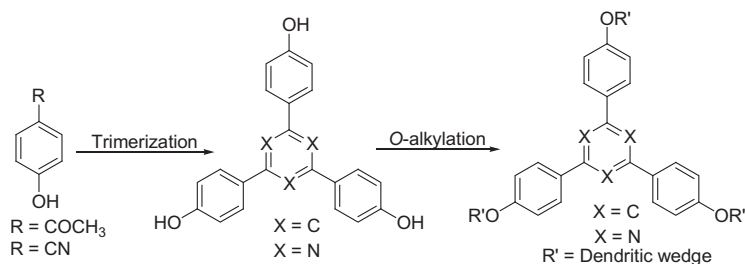
A quick exchange takes place between proline-derived oxazolidinone **2d** and acetone (carbonyl compounds in general). The active though very minor species (enamine **1b**) appear more rapidly than mixing proline and acetone. Reaction times of aldol reactions can be shortened from 30–48 h to 1–4 h (and, as an unexpected bonus, yields increase by 11–23%).



Synthesis of liquid crystalline materials based on 1,3,5-triphenylbenzene and 2,4,6-triphenyl-1,3,5-s-triazine

pp 5419–5423

Sambasivarao Kotha *, Dhurke Kashinath, Sandeep Kumar

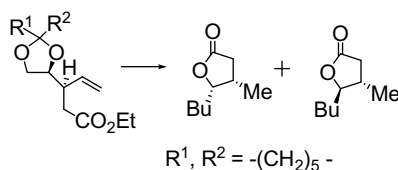


C_3 -symmetric polyether dendrimers have been synthesized from 1,3,5-triphenylbenzene and 2,4,6-triphenyl-1,3,5-s-triazine and their liquid crystalline properties studied.

A simple route to the syntheses of both enantiomers of *trans*-oak lactone and (+)-*cis*-oak lactone

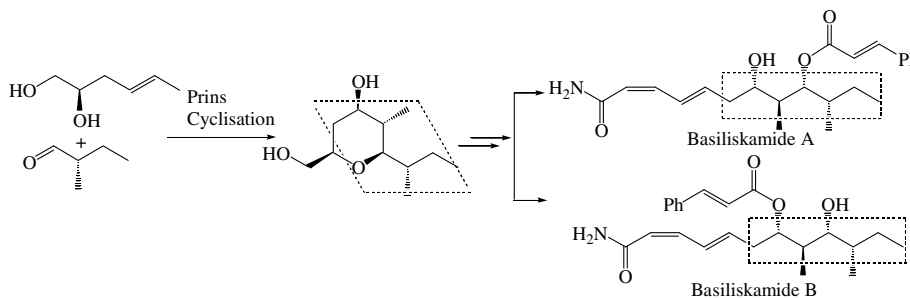
pp 5424–5426

Manju Ghosh, Sritama Bose, Subrata Ghosh *

**Stereoselective synthesis of basiliskamides A and B via Prins cyclisation**

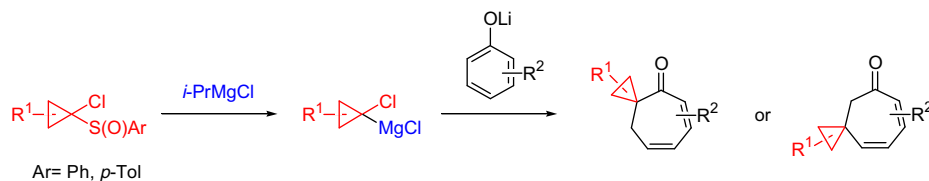
pp 5427–5430

J. S. Yadav *, P. Purushothama Rao, M. Sridhar Reddy, A. R. Prasad

**A novel synthesis of spiro[2.6]nonadienones by the reaction of magnesium cyclopropylidenes with naphtholates and phenolates**

pp 5431–5435

Tsuayoshi Satoh *, Shinobu Nagamoto, Masanobu Yajima, Yukie Yamada, Yuki Ohata, Makoto Tadokoro



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*Corresponding author

+ Supplementary data available via ScienceDirect

Available online at www.sciencedirect.com



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