



Tetrahedron Vol. 65, No. 23, 2009

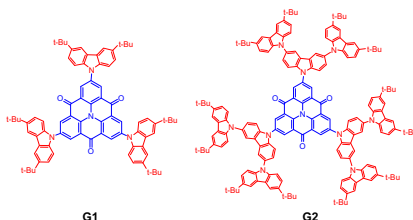
Contents

ARTICLES

Synthesis, characterization, and electroluminescent properties of star shaped donor–acceptor dendrimers with carbazole dendrons as peripheral branches and heterotriangulene as central core

pp 4455–4463

Huaqiang Zhang, Shimin Wang, Yanqin Li, Bin Zhang, Chenxia Du*, Xiangjian Wan, Yongsheng Chen*

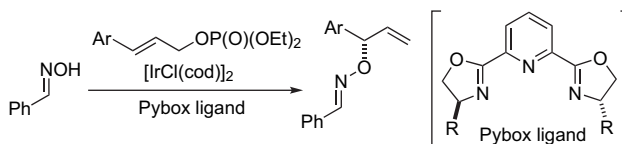


Two star shaped donor–acceptor dendrimers were synthesized and fully characterized. Due to their exclusive aggregation-induced luminescence properties, both dendrimers exhibit good performance in OLED applications.

Synthesis of chiral oxime ethers based on regio- and enantioselective allylic substitution catalyzed by iridium–pybox complex

pp 4464–4470

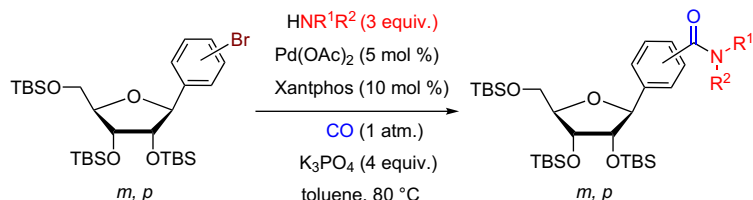
Hideto Miyabe*, Akira Matsumura, Kazumasa Yoshida, Yoshiji Takemoto*



Synthesis of benzamide-C-ribonucleosides by Pd-catalyzed aminocarbonylations

pp 4471–4483

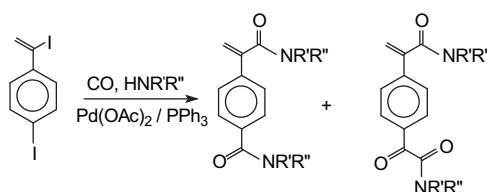
Martin Štefko, Radek Pohl, Michal Hocek*



Palladium-catalysed selective aminocarbonylation of 1,4-diiodostyrene

pp 4484–4489

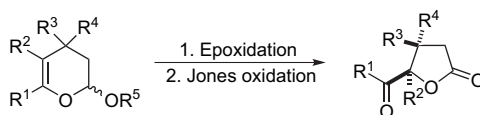
Antal Szilágyi, Roland Farkas, Andrea Petz, László Kollár*



Oxidative rearrangement of 2-alkoxy-3,4-dihydro-2H-pyrans: stereocontrolled synthesis of 4,5-cis-disubstituted tetrahydrofuranones including whisky and cognac lactones and crobarbatic acid

pp 4490–4504

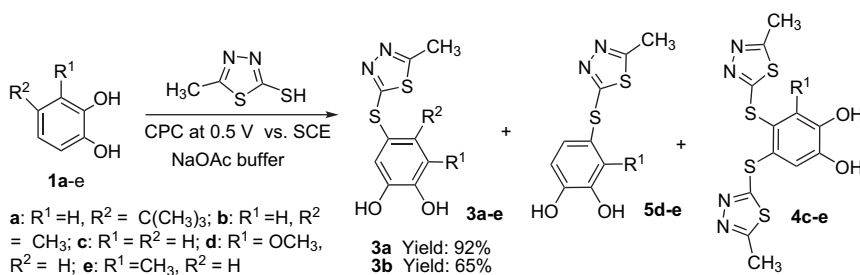
Alan Armstrong*, Cassim Ashraff, Hunsuk Chung, Lorraine Murtagh



Electrochemical synthesis of 1,3,4-thiadiazol-2-ylthio-substituted catechols in aqueous medium

pp 4505–4512

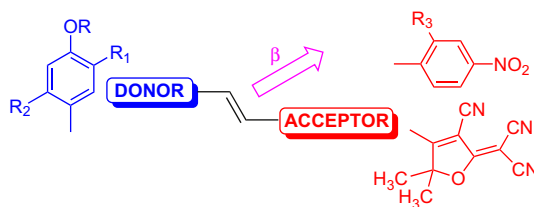
Cheng-Chu Zeng*, Fu-Jian Liu, Da-Wei Ping, Li-Ming Hu, Yuan-Li Cai, Ru-Gang Zhong



Synthesis and nonlinear optical properties of chromophores for photorefractive polymer materials

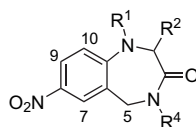
pp 4513–4520

Enrique Font-Sanchis, Francisco J. Céspedes-Guirao, Ángela Sastre-Santos, Belén Villacampa, Jesús Orduna, Raquel Alicante, Fernando Fernández-Lázaro*

**Synthesis and modifications of a small library of 1,4-benzodiazepin-3-ones toward potential inhibitors of the collagen–von Willebrand Factor interaction**

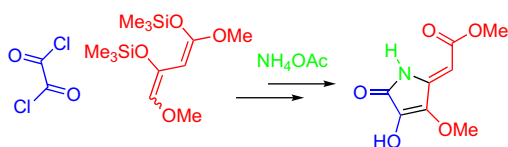
pp 4521–4529

Tiny Deschrijver, Peter Verwilt, Katleen Broos, Hans Deckmyn, Wim Dehaen, Wim M. De Borggraeve*

**Synthesis of 5-alkylidene-2,5-dihydropyrrol-2-ones based on cyclizations of 1,3-bis(trimethylsilyloxy)-1,3-butadienes with oxalyl chloride**

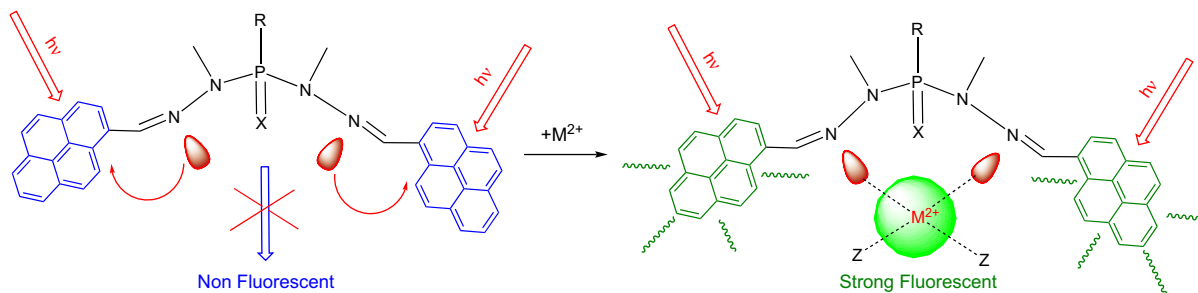
pp 4530–4539

Christian Haase, Peter Langer*

**A modular ligand design for cation sensors: phosphorus-supported pyrene-containing ligands as efficient Cu(II) and Mg(II) sensors**

pp 4540–4546

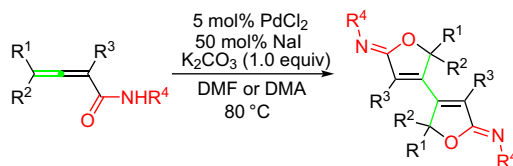
Vadapalli Chandrasekhar*, Mrituanjay D. Pandey, Prasenjit Bag, Siddharth Pandey



Homodimeric coupling–cyclization reaction of 2,3-allenamides

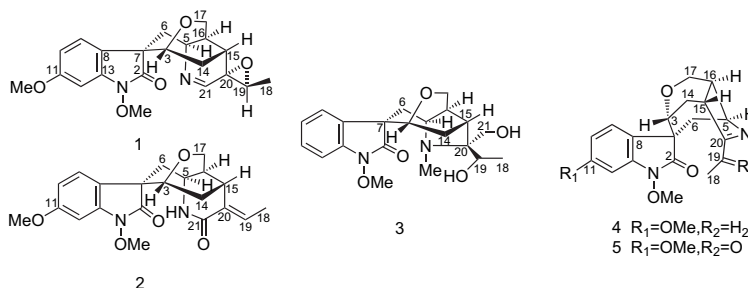
pp 4547–4550

Guofei Chen, Yong Li, Chunling Fu, Shengming Ma*

**Gelegamines A–E: five new oxindole alkaloids from *Gelsemium elegans***

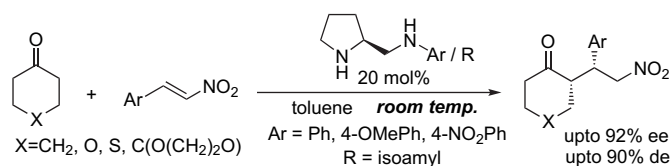
pp 4551–4556

Zhen Zhang, Ying-Tong Di*, Yue-Hu Wang, Zhen Zhang, Shu-Zhen Mu, Xin Fang, Yu Zhang, Cheng-jian Tan, Qiang Zhang, Xiao-Hui Yan, Jie Guo, Chun-Shun Li, Xiao-Jiang Hao*

**Secondary–secondary diamine catalysts for the enantioselective Michael addition of cyclic ketones to nitroalkenes**

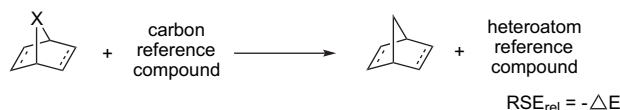
pp 4557–4561

Sunil V. Pansare*, Raie Lene Kirby

**A relative approach for determining ring strain energies of heterobicyclic alkenes**

pp 4562–4568

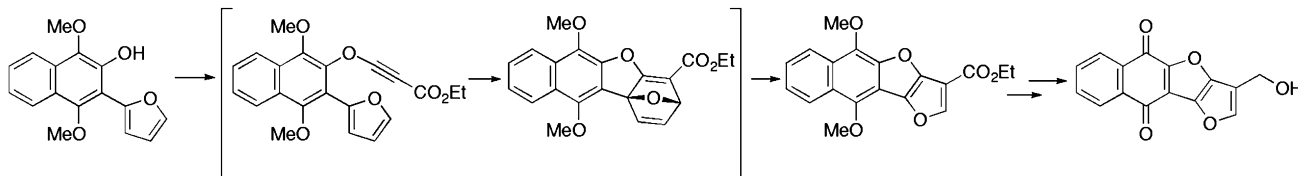
Jennifer Howell, John D. Goddard*, William Tam



The synthesis of 3-hydroxymethylfuro[3,2-*b*]naphtho[2,3-*d*]furan-5,10-dione, a novel metabolite isolated from *Crescentia cujete*

pp 4569–4577

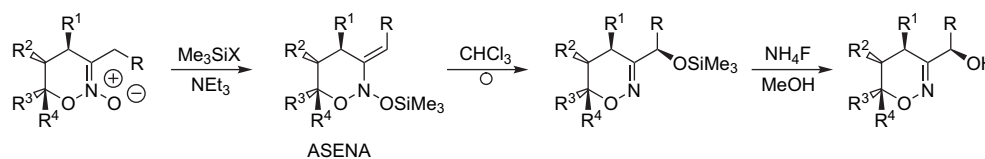
Linda B. Nielsen, Riskiono Slamet, Dieter Wege*



Rearrangement of 3-alkylidene-2-siloxy-tetrahydro-1,2-oxazines (ASENA). A new approach toward the synthesis of 3- α -hydroxyalkyl-5,6-dihydro-4*H*-1,2-oxazines

pp 4578–4592

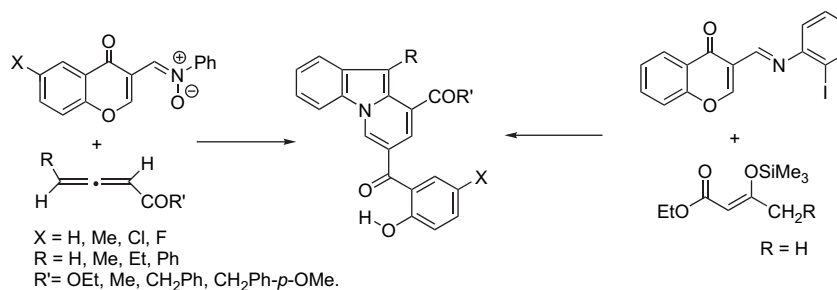
Andrey A. Tabolin, Alexey V. Lesiv*, Yulia A. Khomutova, Yulia V. Nelyubina, Sema L. Ioffe



Domino routes to substituted benzoindolizines: tandem reorganization of 1,3-dipolar cycloadducts of nitrones with allenic esters/ketones and alternative cycloaddition–palladium catalyzed cyclization pathway

pp 4593–4603

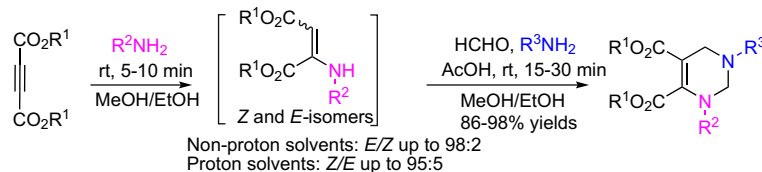
Ashish Kapur, Kamal Kumar, Lakhwinder Singh, Parminder Singh, Munusamy Elango, Venkatesan Subramanian, Vivek Gupta, Priyanka Kanwal, Mohan Paul S. Ishar*



Practical synthesis and mechanistic study of polysubstituted tetrahydropyrimidines with use of domino multicomponent reactions

pp 4604–4613

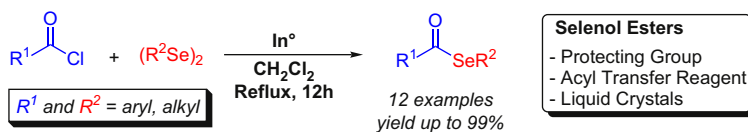
Qijuhua Zhu, Huanfeng Jiang*, Jinghao Li, Min Zhang, Xiujun Wang, Chaorong Qi



Efficient synthesis of selenol esters from acid chlorides mediated by indium metal

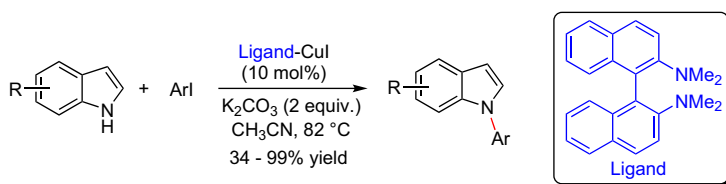
pp 4614–4618

Graciane Marin, Antonio L. Braga*, Anderson S. Rosa, Fábio Z. Galetto, Robert A. Burrow, Hugo Gallardo, Marcio W. Paixão

**An efficient, mild, and selective Ullmann-type N-arylation of indoles catalyzed by copper(I) complex**

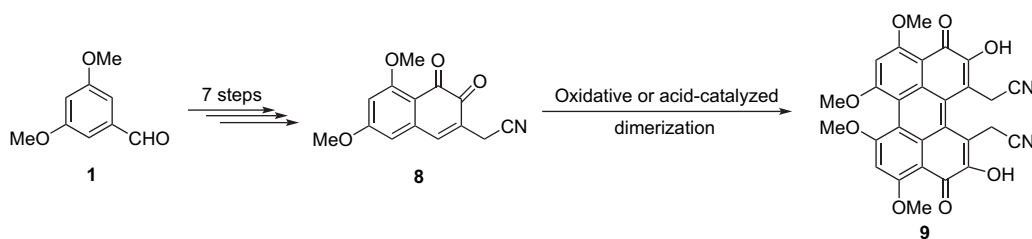
pp 4619–4624

R. Koteswar Rao, Ajay B. Naidu, E.A. Jaseer, Govindasamy Sekar*

**The construction of novel perylenequinone core via efficient synthesis of versatile *ortho*-naphthoquinone as a key intermediate**

pp 4625–4628

Beom-Tae Kim, Ho-Seok Kim, Woo Sung Moon, Ki-Jun Hwang*



OTHER CONTENT**Calendar****p I**

*Corresponding author

+ Supplementary data available via ScienceDirect

Full text of this journal is available, on-line from **ScienceDirect**. Visit www.sciencedirect.com for more information.

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®

**ELSEVIER**

ISSN 0040-4020