



Tetrahedron Vol. 67, Issue 20, 2011

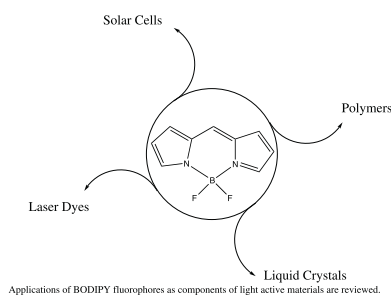
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REPORT

4,4'-Difluoro-4-bora-3a,4a-diaza-s-indacenes (BODIPYs) as components of novel light active materials

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Michael Benstead, Georg H. Mehl, Ross W. Boyle*



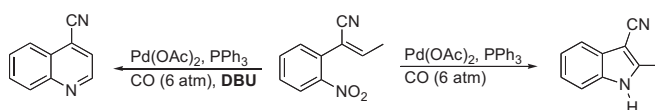
Applications of BODIPY fluorophores as components of light active materials are reviewed.

ARTICLES

A base-modulated chemoselective synthesis of 3-cyanoindoles or 4-cyanoquinolines using a palladium-catalyzed N-heterocyclization

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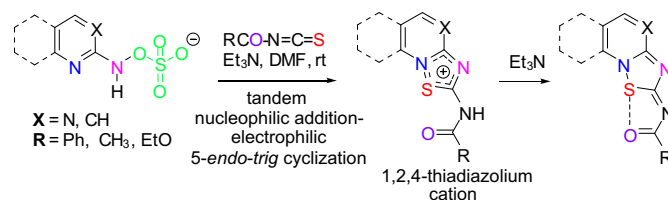
Serge R. Banini, Michael R. Turner, Matthew M. Cummings, Björn C.G. Söderberg*



Synthesis of aza-aromatic hydroxylamine-O-sulfonates and their application to tandem nucleophilic addition–electrophilic 5-*endo-trig* cyclization

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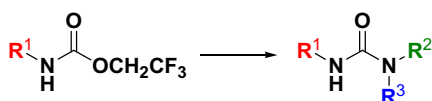
Jarosław Saczewski*, Maria Gdaniec, Patrick J. Bednarski, Anna Makowska



A facile synthesis of unsymmetrical ureas

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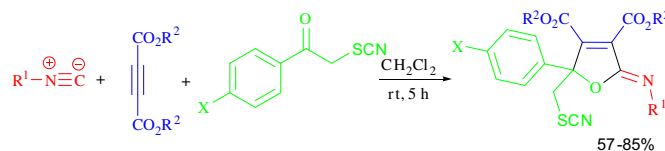
Andrey V. Bogolubsky, Sergey V. Ryabukhin, Sergey E. Pipko, Oleg Lukin*, Alexander Shivanyuk*, Dmytro Mykytenko, Andrey Tolmachev



Synthesis of functionalized iminolactones via an isocyanide-based three-component reaction

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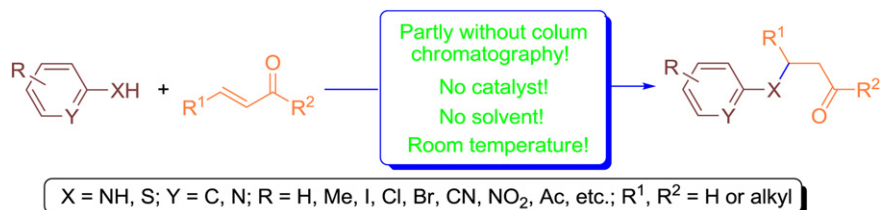
Afshin Sarvary, Shabnam Shaabani, Ahmad Shaabani*, Seik Weng Ng



Green, efficient and practical Michael addition of arylamines to α,β -unsaturated ketones

pp 3631–3637

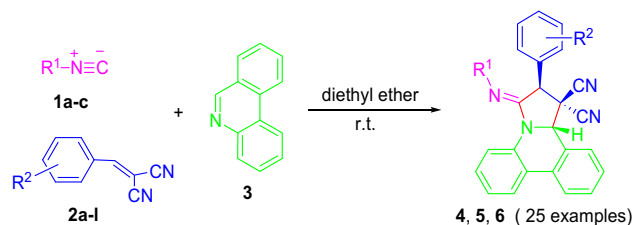
Ran Jiang, Dan-Hua Li, Jing Jiang, Xiao-Ping Xu*, Tao Chen, Shun-Jun Ji*



Novel regio- and stereo-selectivity: synthesis of dihydropyrrolo[1,2-f]phenanthridines via isocyanide-based multicomponent reaction

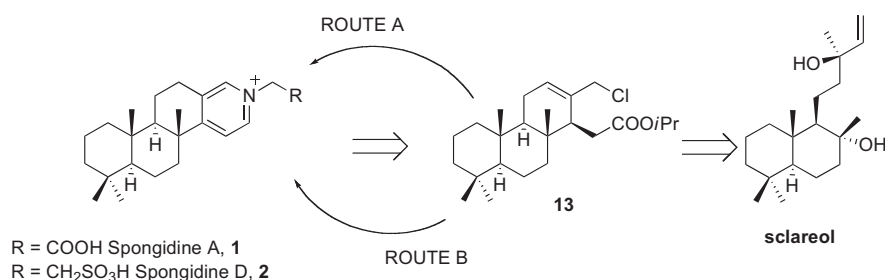
pp 3638–3648

Ming Li*, Zhong-Xuan Qiu, Li-Rong Wen*, Zhong-Min Zhou

**Synthesis of spongidines A and D: marine metabolites phospholipase A₂ inhibitors**

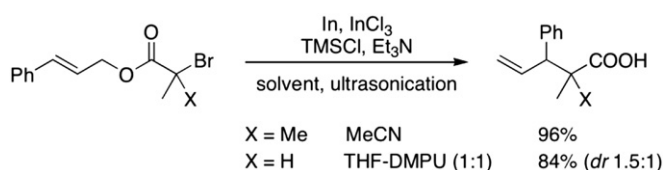
pp 3649–3658

P. Basabe*, A. Blanco, I.S. Marcos, D. Díez, O. Boderó, M. Martín, J.G. Urones

Spongidines A and D have been synthesized. Two routes have been optimized and the key compound is chloroderivative **13**.**Indium-mediated Reformatsky–Claisen rearrangement**

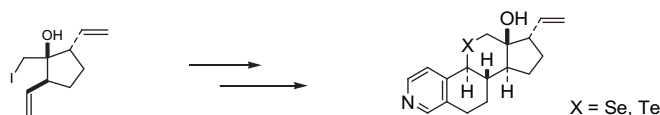
pp 3659–3667

Jun Ishihara*, Yuki Watanabe, Noriko Koyama, Yukihiro Nishino, Keisuke Takahashi, Susumi Hatakeyama*

**First total syntheses of (±)-3-aza-11-selena and (±)-3-aza-11-tellura steroids**

pp 3668–3676

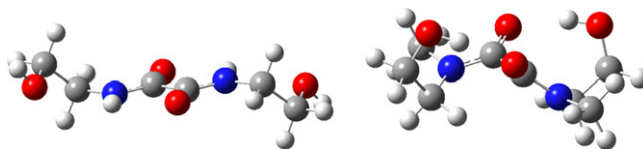
Malika Ibrahim-Ouali*, Eugénie Romero, Hocine Bouleghlem



Structural study of oxalamide compounds: ^1H , ^{13}C , and DFT calculations

Abdelkarim El Moncef, Elena Zaballos*, Ramón J. Zaragoza*

pp 3677–3684



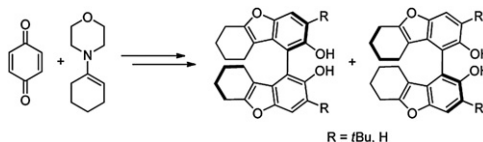
A conformational study as well as an NMR study has been made in different oxalamides. There is a particular emphasis on oxalamides with substituents of the type $-\text{CH}_2\text{CH}_2\text{OH}$.



A convenient route towards novel H_8 -1,1'-bis-(dibenzofuran-2-ol) derivatives and evaluation of their use as chiral auxiliaries

Hans Kelgtermans, Liliana Dobrzańska, Luc Van Meervelt, Wim Dehaen*

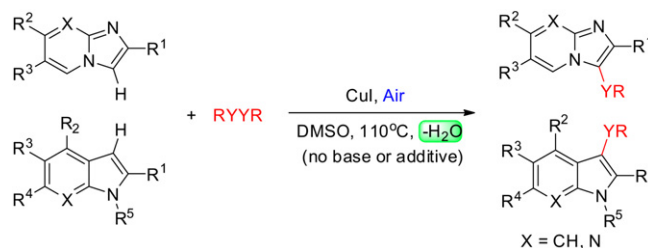
pp 3685–3689



An efficient and clean CuI -catalyzed chalcogenylation of aromatic azaheterocycles with dichalcogenides

Zhen Li, Jianquan Hong, Xigeng Zhou*

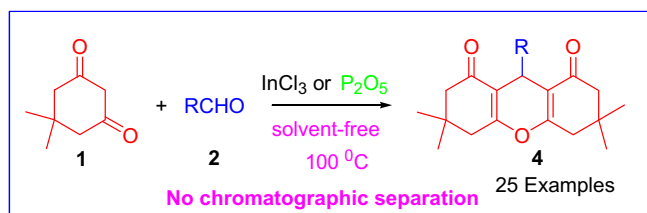
pp 3690–3697



An efficient one-pot solvent-free synthesis and photophysical properties of 9-aryl/alkyl-octahydroanthene-1,8-diones

Girijesh K. Verma, Keshav Raghuvanshi, Rajiv K. Verma, Pratibha Dwivedi, M.S. Singh*

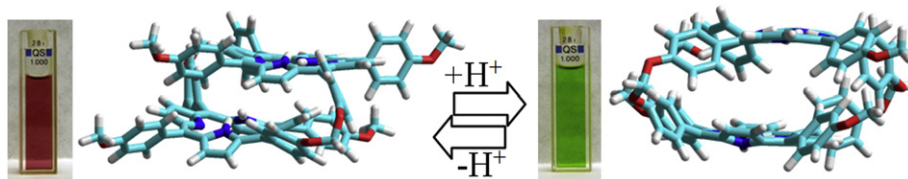
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Covalent nano-clip and nano-box compounds based on free base porphyrins

pp 3705–3713

Emilio Scamporrino, Placido Mineo*, Daniele Vitalini

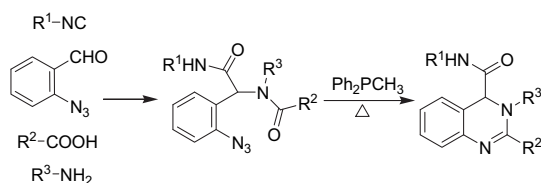


i+

New efficient synthesis of 2,3,4-trisubstituted 3,4-dihydroquinazolines by a Ugi 4CC/Staudinger/aza-Wittig sequence

pp 3714–3723

Ying Zhong, Long Wang, Ming-Wu Ding*

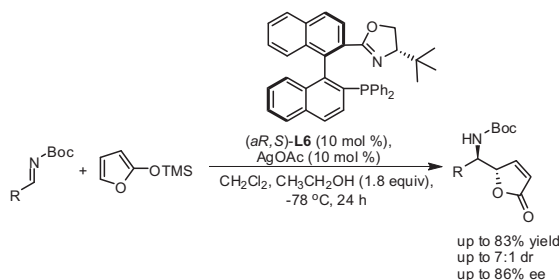


i+

Axially chiral phosphine–oxazoline ligands in silver(I)-catalyzed asymmetric Mannich reaction of *N*-Boc aldimines with trimethylsiloxyfuran

pp 3724–3732

Qian-Yi Zhao, Min Shi*



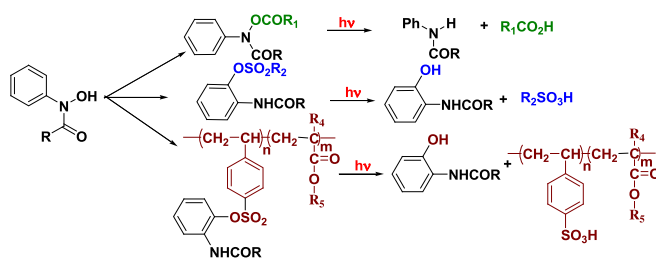
Axially chiral phosphine–oxazoline ligand **L6** was found to be a fairly effective chiral ligand in silver(I)-catalyzed asymmetric Mannich reaction of *N*-Boc aldimines with trimethylsiloxyfuran to give the corresponding adducts in up to 97% yield, 7:1 dr and 86% ee (major diastereoisomer).

i+

Photoacid generators (PAGs) based on *N*-acyl-*N*-phenylhydroxylamines for carboxylic and sulfonic acids

pp 3733–3742

Mohammed Ikbal, Avijit Jana, N.D. Pradeep Singh*, Rakesh Banerjee, Dibakar Dhara*



i+

Syntheses of two diamine substituted 1,3-distal calix[4]arene-based magnetite nanoparticles for extraction of dichromate, arsenate and uranyl ions

pp 3743–3753

Serkan Sayin, Mustafa Yilmaz*, Mustafa Tavasli

