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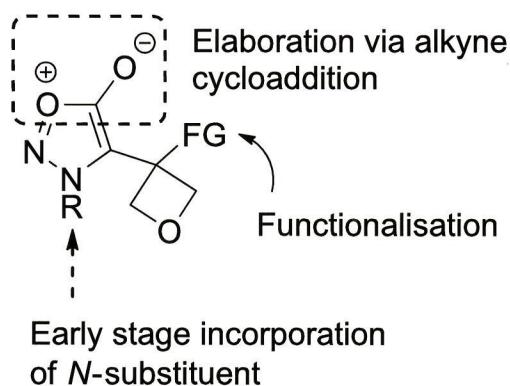
Vol. 54 • Issue 24 • 12 June 2013 • ISSN 0040-4039

Tetrahedron Letters

THE INTERNATIONAL JOURNAL FOR THE RAPID PUBLICATION OF ALL
PRELIMINARY COMMUNICATIONS IN ORGANIC CHEMISTRY

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**Synthesis and cycloaddition chemistry
of oxetanyl-substituted sydrones**



Anne-Chloé Nassoy, Piotr Raubo, Joseph P.A. Harrity

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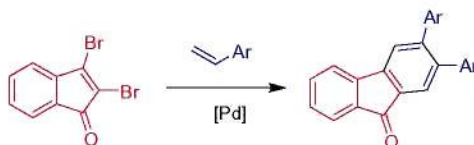
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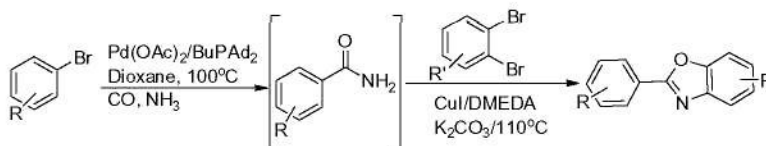
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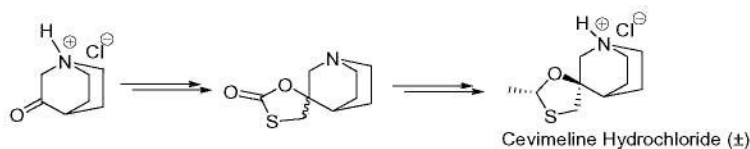
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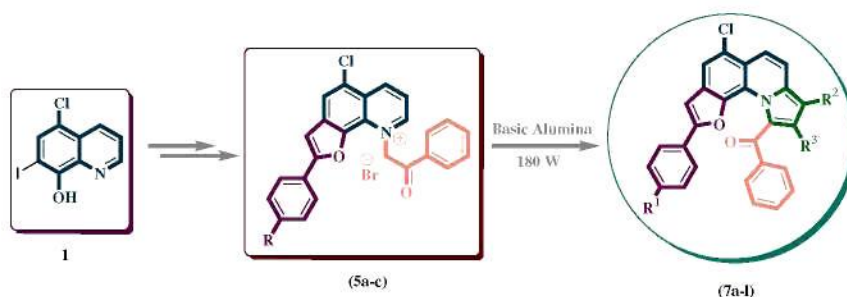
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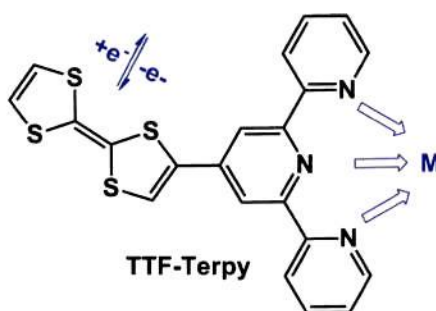
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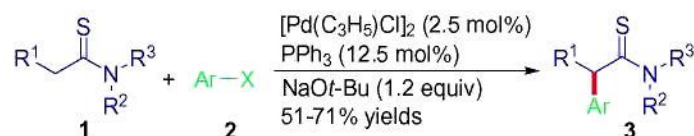
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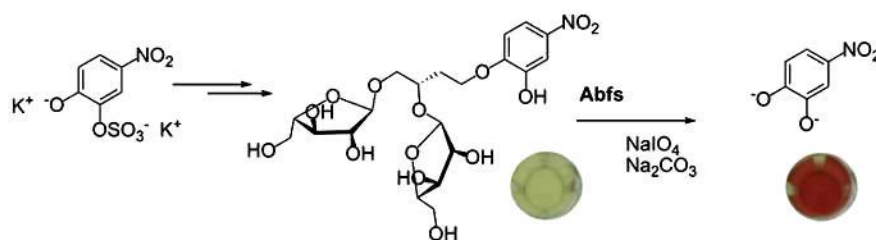
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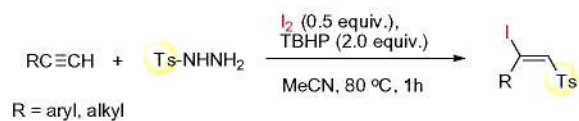
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| ethyl 4,4,4-trifluoro-oxobutanoate | ethyl 4,4,4-trichloro-3-oxobutanoate |
|------------------------------------|--------------------------------------|
| Y: 81%; ee: 29% S | Y: 4%; ee: 73% S |

 I_2 /TBHP-mediated reaction of sulfonylhydrazides with alkynes: synthesis of (*E*)- β -iodovinyl sulfones

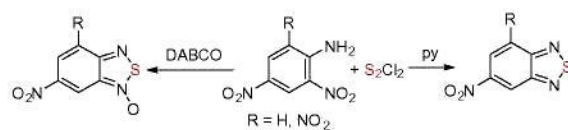
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Xiaoqing Li*, Xiangsheng Xu*, Xinhua Shi

**Reactions of vicinal nitroamines with sulfur monochloride—a short and convenient route to fused 1,2,5-thiadiazoles and their *N*-oxides**

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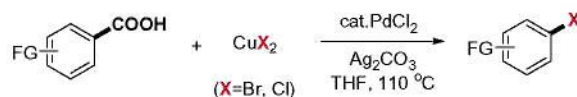
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Xuefeng Peng, Xiang-Feng Shao, Zhong-Quan Liu*

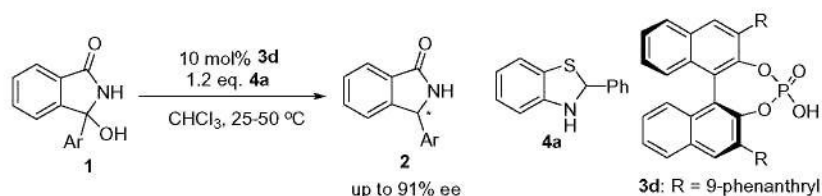


A bromo- and chlorodecarboxylation of various aromatic carboxylic acids catalyzed by Pd(II) has been developed in this work. A series of electron-rich arenecarboxylic acids gave the corresponding decarboxylative monohalogenation products under the typical reaction conditions.

**Chiral phosphoric acid catalyzed asymmetric hydrogenolysis of racemic 3-aryl-3-hydroxyisoindolin-1-ones**

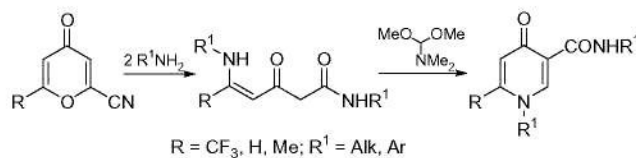
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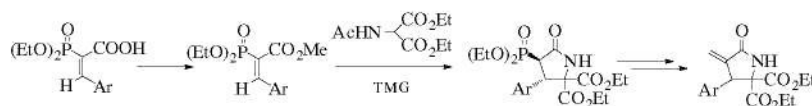
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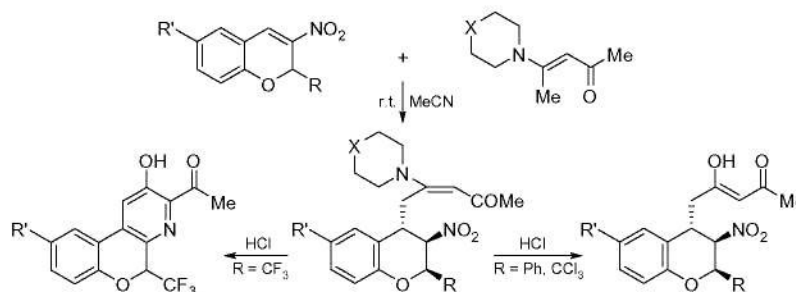
Dariusz Deredas, Łukasz Albrecht, Henryk Krawczyk*



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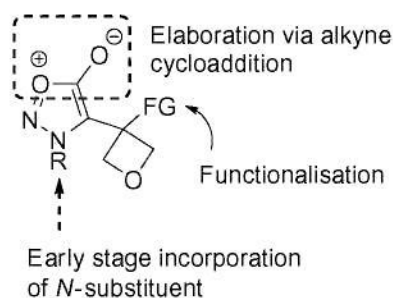
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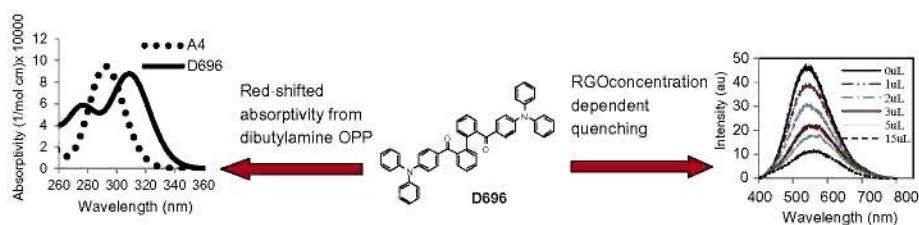
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Anne-Chloé Nassoy, Piotr Raubo, Joseph P. A. Harrity*


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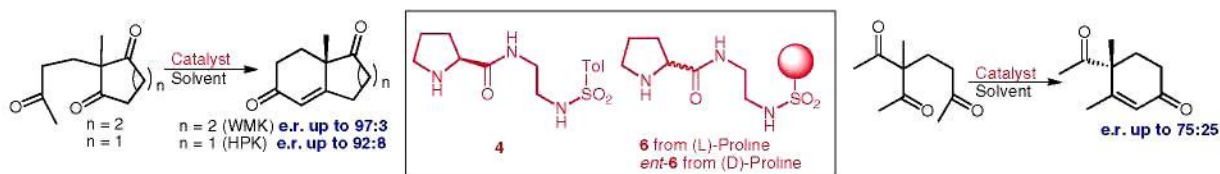
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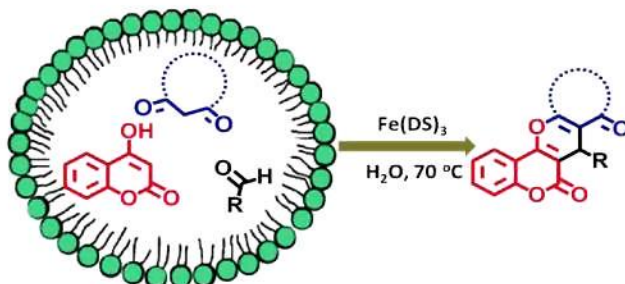
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Koyel Pradhan, Sanjay Paul, Asish R. Das*



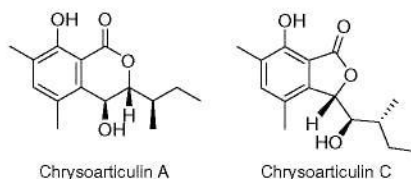
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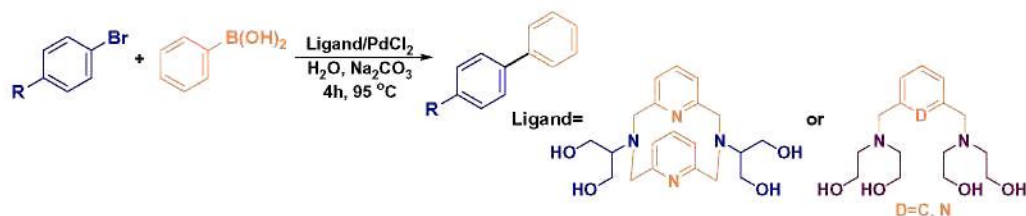
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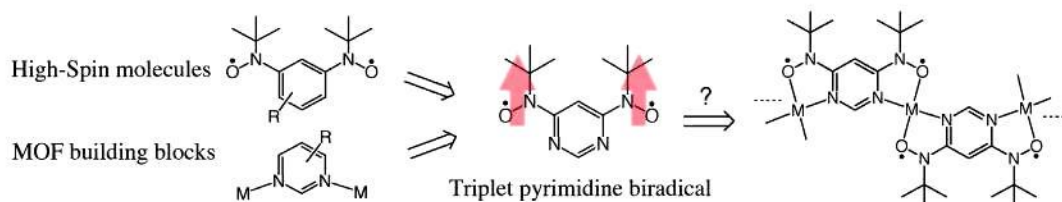
Carmela Crisóstomo-Lucas, Rubén A. Toscano, David Morales-Morales*



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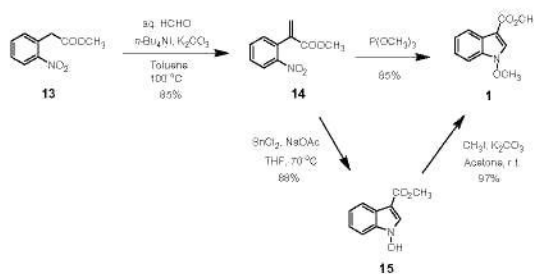
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Two concise total syntheses of the wasabi phytoalexin methyl 1-methoxyindole-3-carboxylate

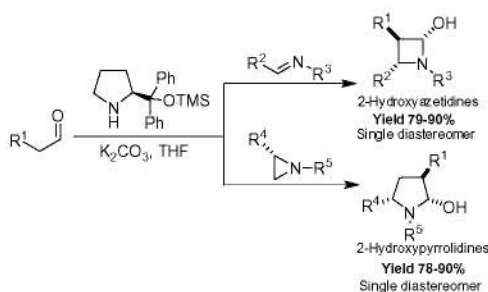
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Bing Li, John D. Williams, Norton P. Peet*

**An organocatalytic approach to stereoselective synthesis of 2-hydroxyazetidines and 2-hydroxypyrrolidines**

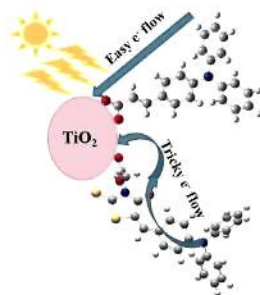
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Ankita Rai, Lal Dhar S. Yadav*

**One-pot synthesis of metal free organic dyes containing different acceptor moieties for fabrication of dye-sensitized solar cells**

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Manoharan Subbaiah, Ramkumar Sekar, Elumalai Palani, Anandan Sambandam*

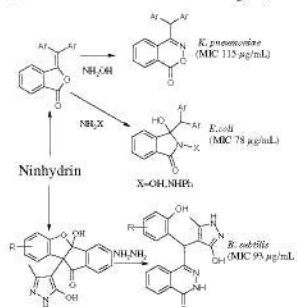


The dyes were synthesized through one-pot Knoevenagel condensation reaction which are used as photosensitizers in dye-sensitized solar cell (DSSC). The dye Ar-ma shows high electron life time and maximum power conversion efficiency due to the anchoring group is conjugated with the entire dye molecule and the π -spacer is coplanar with acceptor group.

**Synthesis of biologically important phthalazinones, 2,3-benzoxazin-1-ones and isoindolinones from ninhydrin and their antimicrobial activity**

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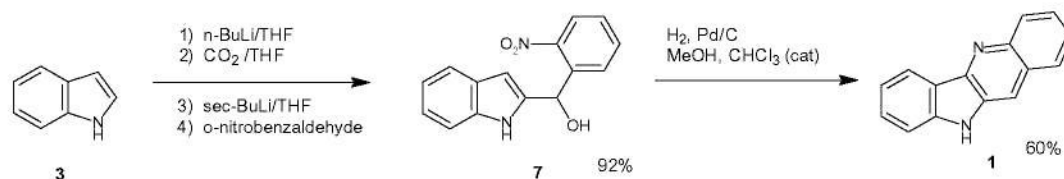
Sudipta Pathak, Kamalesh Debnath, Sk Tofajjen Hossain, Samir Kumar Mukherjee, Animesh Pramanik*



An efficient and concise total synthesis of the antimalarial alkaloid quindoline

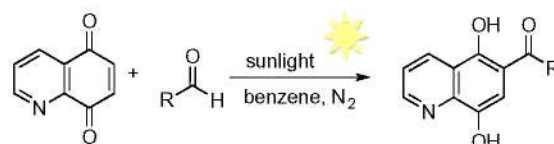
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**Synthesis of 6-acyl-5,8-quinolinediols by photo-Friedel-Crafts acylation using sunlight**

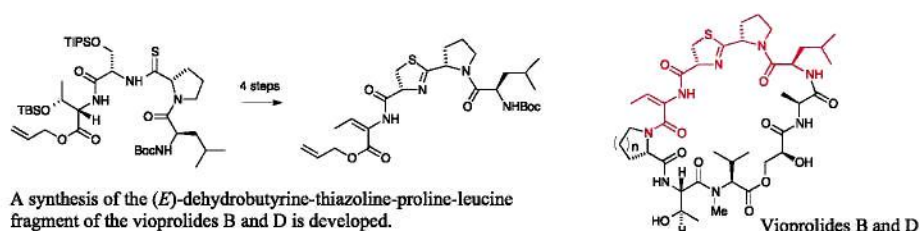
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**Synthesis of the (*E*)-dehydrobutyrine–thiazoline–proline–leucine fragment of vioprolides B and D**

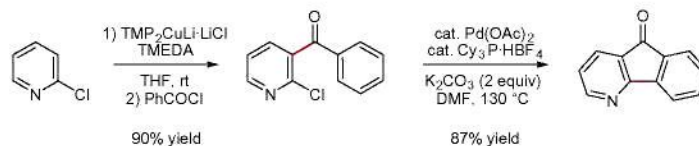
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**Efficient two-step access to azafluorenones and related compounds**

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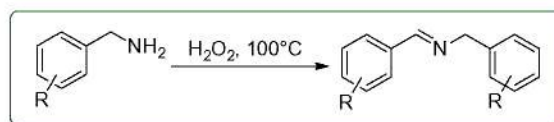
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Metal-free oxidation of benzyl amines to imines

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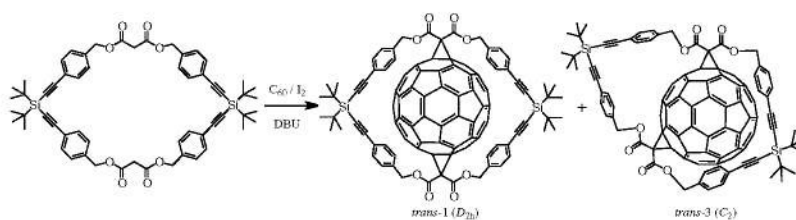
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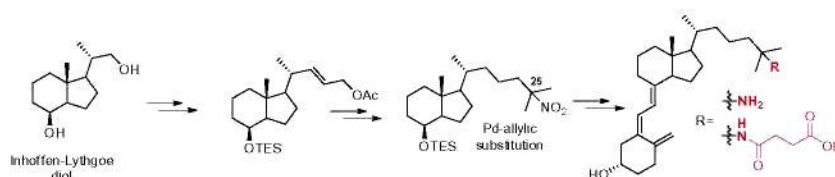
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Pd-allylic substitution mediated synthesis of 25-amino vitamin D₃ derivatives

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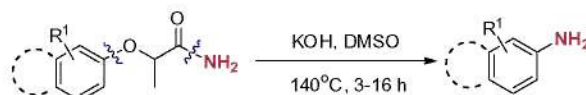
Marcos L. Rivadulla, Xenxo Pérez-García, Manuel Pérez*, Generosa Gómez, Yagamare Fall*



Metal-free C–N bond-forming reaction: straightforward synthesis of anilines, through cleavage of aryl C–O bond and amide C–N bond

pp 3167–3170

Jianzhong Yu, Peizhi Zhang, Jun Wu*, Zhicai Shang*



R¹ = Me, MeO, H, F, Cl, Br, I, NO₂
CN, CO₂Me, CHO, COEt, etc.

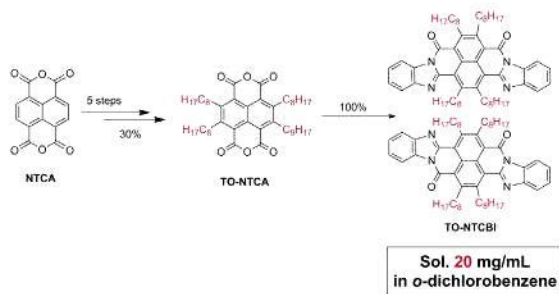
>30 examples
up to 95% yield
NO metal catalyst



Synthesis of tetraalkyl naphthalene bisanhydride and its model condensations with amines

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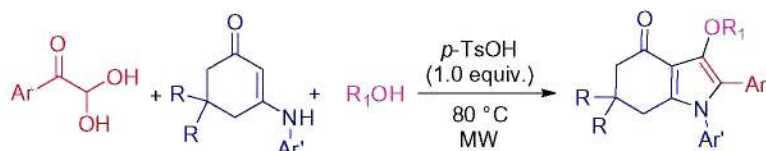
Kai Xiong, Yi Xiao*



Three-component synthesis of poly-substituted tetrahydroindoles through *p*-TsOH promoted alkoxylation

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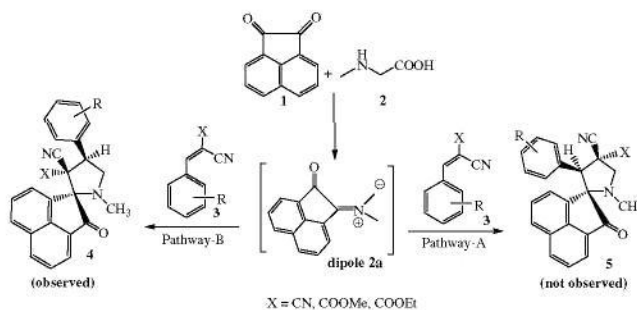
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A highly efficient protocol for the regio- and stereo-selective synthesis of spiro pyrrolidine and pyrrolizidine derivatives by multicomponent reaction

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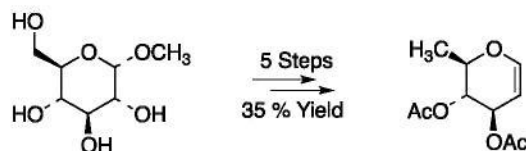
Anshu Dandia*, Anuj K. Jain, Ashok K. Laxkar, Dharmendra S. Bhati



An efficient and cost-effective preparation of di-O-acetyl-D-rhamnal

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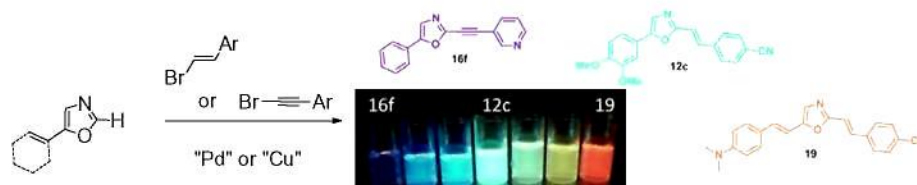
Justin N. Miller, Rongson Pongdee*



Synthesis and evaluation of photophysical properties of Series of π -conjugated oxazole dyes

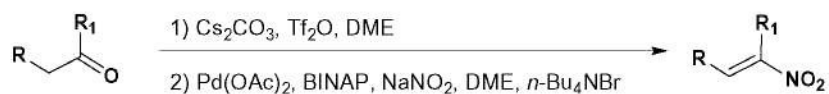
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Florence Mahuteau-Betzer*, Sandrine Piguel*

**Palladium-catalyzed synthesis of substituted nitroolefins**

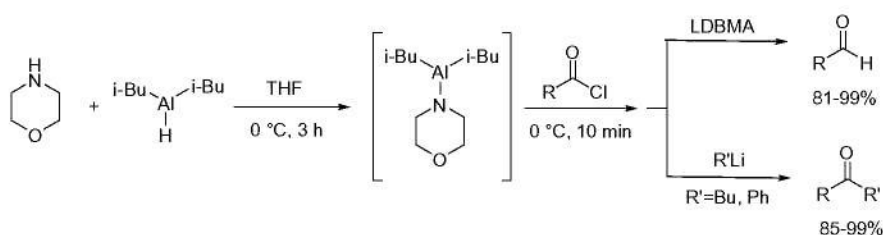
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Meng-Yang Chang*, Chung-Han Lin, Hang-Yi Tai

**An effective one-pot conversion of acid chlorides to aldehydes and ketones**

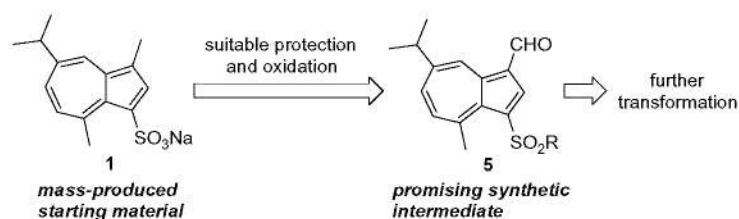
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Jae Kyo Park, Won Kyu Shin, Duk Keun An*

**A facile preparation of modified hydrophilic azulene derivatives**

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Koichi Sato*, Minyue Zhu, Naoko Takenaga

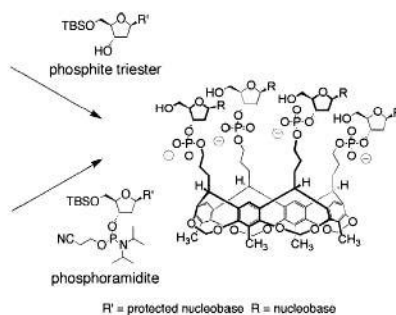


A simple procedure was developed for the preparation of hydrophilic azulene derivatives from an abundant and commercially available source of guaiazulene sodium sulfonate **1**. This protocol may open up an efficient route for the preparation of a series of hydrophilic azulene derivatives.

Multiple phosphate-linked nucleotide couplings via 5' silyl ether protection in the phosphite triester and phosphoramidite approaches

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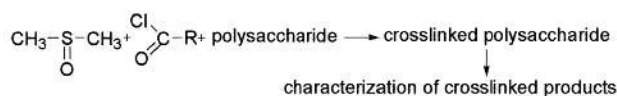
Grant A. L. Bare, John C. Sherman*



Crosslinking of polysaccharides with activated dimethylsulfoxide

pp 3210–3214

Zivomir Petronijevic*, Biljana Maluckov, Andrija Smelcerovic



Possible applications of crosslinked polysaccharides:

- carriers for chromatography
- immobilization of enzymes and cells



Glycerol/hypophosphorous acid: an efficient system solvent-reducing agent for the synthesis of 2-organylselanyl pyridines

pp 3215–3218

Samuel Thurow, Rodrigo Webber, Gelson Perin, Eder J. Lenardão*, Diego Alves*




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Banibrata Ghosh, Robert E. Maleczka Jr.*

*Corresponding author

 Supplementary data available via SciVerse ScienceDirect

COVER

Synthesis and cycloaddition chemistry of oxetanyl-substituted sydnone

Tetrahedron Letters **2012**, 54, 3094–3096.

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Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Chemical Engineering and Biotechnology Abstracts, Current Biotechnology 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 SciVerse Scopus[®]. Full text available on SciVerse ScienceDirect[®].



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ISSN 0040-4039