



## Tetrahedron Vol. 67, Issue 42, 2011

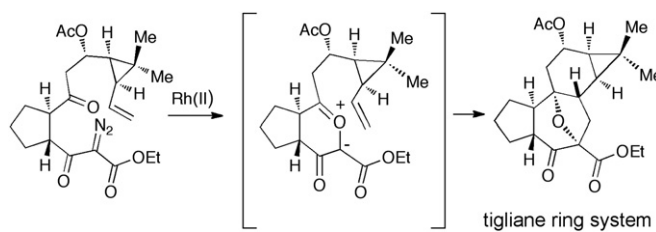
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## REPORT

## Intramolecular cycloaddition of carbonyl ylides as a strategy for natural product synthesis

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Albert Padwa

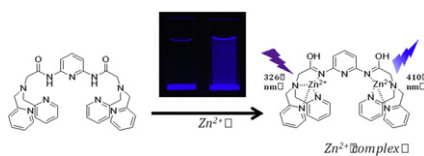


## ARTICLES

## Zinc selective chemosensor based on pyridyl-amide fluorescence

pp 8073–8078

Hong Gyu Lee, Ju Hoon Lee, Seung Pyo Jang, Hyun Min Park, Sung-Jin Kim, Youngmee Kim, Cheal Kim\*, Roger G. Harrison\*

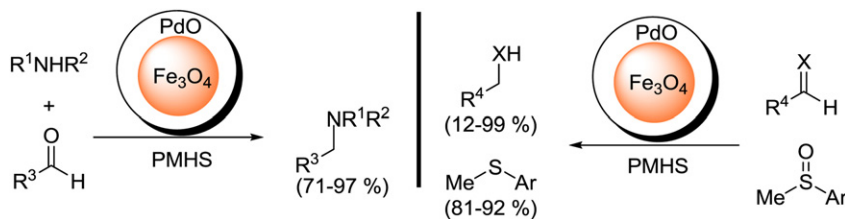


A DPA containing molecule fluoresces in the presence of  $Zn^{2+}$  and shows selectivity for  $Zn^{2+}$  over  $Cd^{2+}$  and other metal ions.



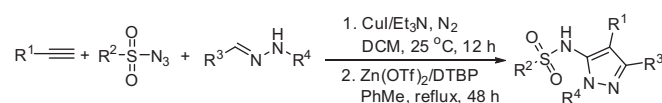
**Impregnated palladium on magnetite as catalyst for multicomponent reductive amination reactions and other related reducing processes** pp 8079–8085

Rafael Cano, Miguel Yus, Diego J. Ramón\*


**One-pot synthesis of 5-sulfonamidopyrazole from terminal alkynes, sulfonyl azides and hydrozones**

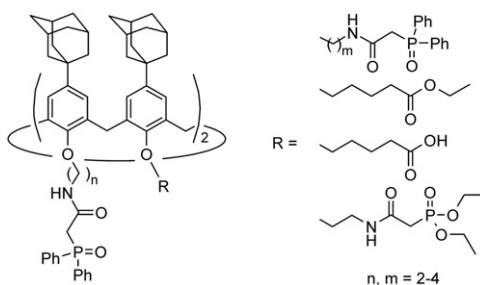
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Yao Li, Deng Hong, Yuanxun Zhu, Ping Lu\*, Yanguang Wang\*


**Narrow rim CMPO/adamantylcalix[4]arenes for the extraction of lanthanides and actinides**

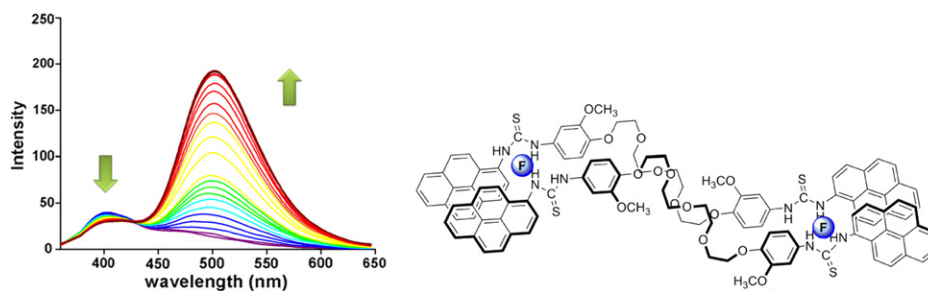
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**Fluoride-induced intermolecular excimer formation of bispyrenyl thioureas linked by polyethylene glycol chains**

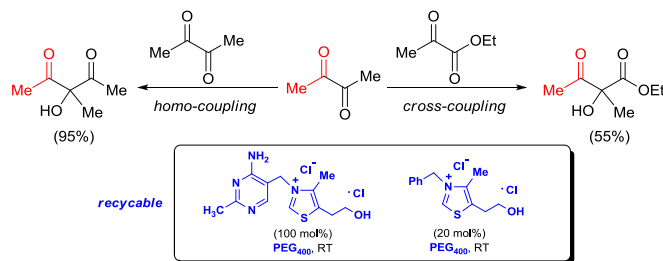
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Duangrat Thongkum, Thawatchai Tuntulani\*



**$\alpha$ -Diketones as acyl anion equivalents: a non-enzymatic thiamine-promoted route to aldehyde–ketone coupling in PEG<sub>400</sub> as recyclable medium** pp 8110–8115

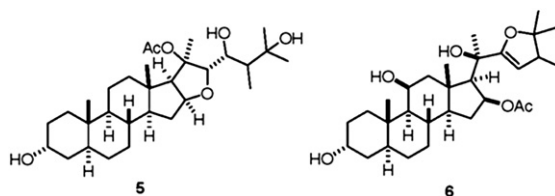
Olga Bortolini, Giancarlo Fantin\*, Marco Fogagnolo, Pier Paolo Giovannini, Valentina Venturi, Salvatore Pacifico, Alessandro Massi\*



**Polyhydroxylated steroids from the octocoral *Isis hippuris***

pp 8116–8119

Wei-Hua Chen, Shang-Kwei Wang\*, Chang-Yih Duh\*

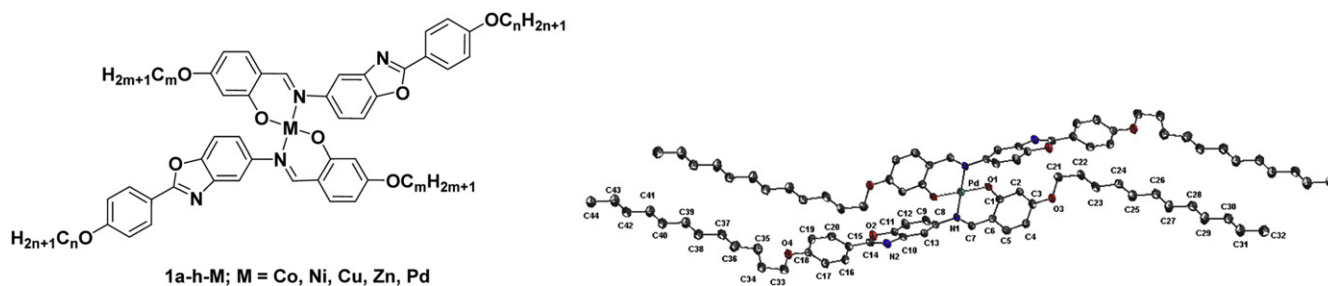


Compounds **5** and **6** possess unprecedented side chain moieties for *Isis* metabolites.

**Metallomesogens derived from benzoxazoles–salicylaldimine conjugates**

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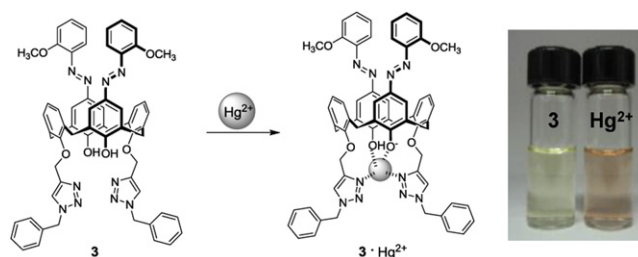
Chun-Jung Chen, I-Wen Wang, Hwo-Shuenn Sheu, Gene-Hsiang Lee, Chung K. Lai\*



**A specific and ratiometric chemosensor for Hg<sup>2+</sup> based on triazole coupled *ortho*-methoxyphenylazocalix[4]arene**

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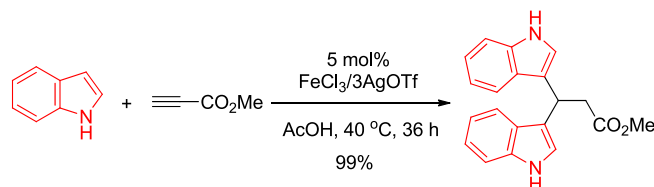
Nae-Jen Wang, Chung-Ming Sun\*, Wen-Sheng Chung\*



**Regioselective synthesis of 3,3-bis(indolyl)propanoic acid derivatives by iron(III)-catalyzed hydroarylation of propynoic acid derivatives with indoles**

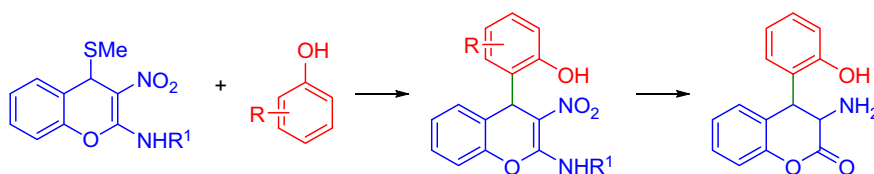
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Md. Shahjahan Kutubi, Tsugio Kitamura\*


**Synthesis of 4-(2-hydroxyaryl)-3-nitro-4H-chromenes**

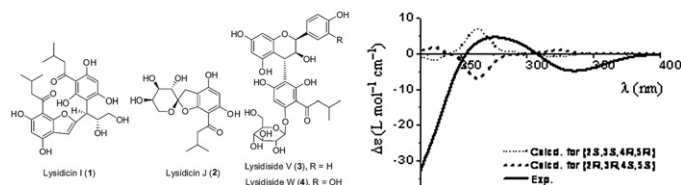
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H. Surya Prakash Rao\*, K. Geetha, M. Kamalraj


**Antioxidative acylphloroglucinols from the roots of *Lysidice rhodostegia***

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Xian-Fu Wu, Ya-Dan Wang, Shi-Shan Yu\*, Nan Jiang, Jing Ma, Ren-Xiang Tan, You-Cai Hu, Jing Qu

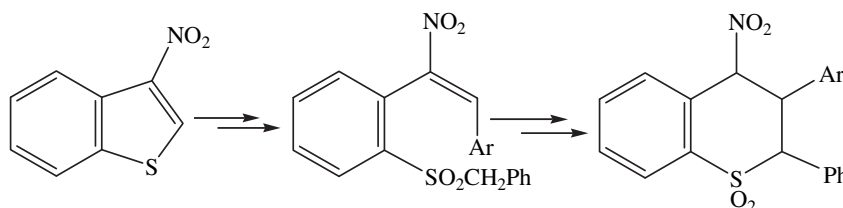


Four acylphloroglucinols, lysidicins I and J (**1** and **2**), and lysidiades V and W (**3** and **4**), were isolated from the roots of *Lysidice rhodostegia*. Compound **1** is a novel acylphloroglucinol, and compound **2** is the first naturally occurring acylphloroglucinol derivative with an uncommon spiro(benzofuran-[2H]pyran) skeleton. The absolute configuration of **2** was determined by analysis of their experimental and theoretically calculated CD spectra. Compounds **3** and **4** showed potent antioxidative activity.


**Access to 2,3-diaryl-4-nitrothiochroman S,S-dioxides from 3-nitrobenzo[b]thiophene**

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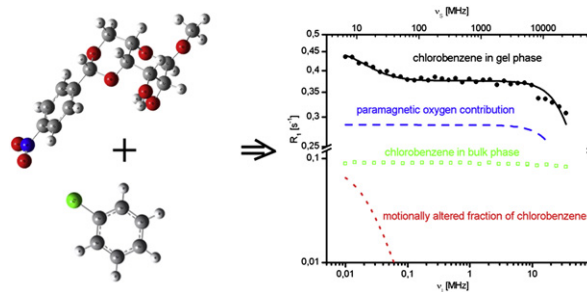
Lara Bianchi, Massimo Maccagno, Giovanni Petrillo, Egon Rizzato, Fernando Sancassan, Domenico Spinelli, Cinzia Tavani\*



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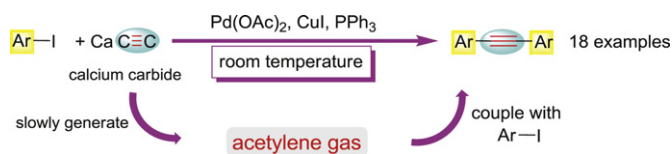
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J. Tritt-Goc\*, M. Bielejewski, R. Luboradzki

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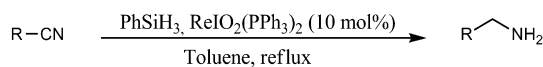
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Padon Chuentragool, Kunnigar Vongnam, Paitoon Rashatasakhon, Mongkol Sukwattanasinitt, Sumrit Wacharasindhu\*

**A novel efficient and chemoselective method for the reduction of nitriles using the system silane/oxo-rhenium complexes**

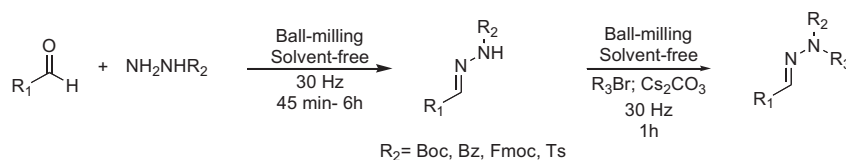
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Ivânia Cabrita, Ana C. Fernandes\*

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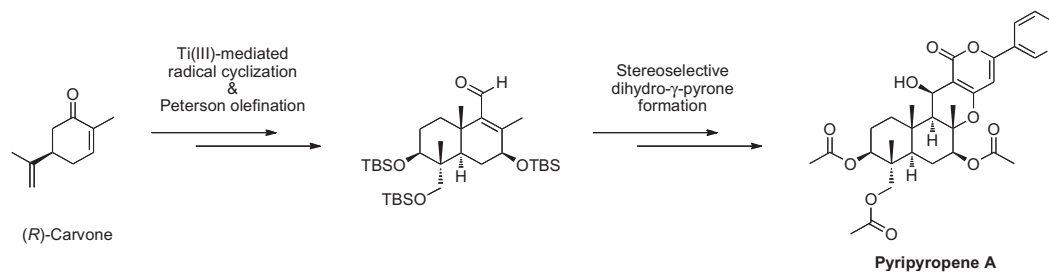
Pierrick Nun, Charlotte Martin, Jean Martinez, Frédéric Lamaty\*



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Atsuki Odani, Kaoru Ishihara, Masaki Ohtawa, Hiroshi Tomoda, Satoshi Omura\*, Tohru Nagamitsu\*

**Corrigendum**

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\*Corresponding author

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ISSN 0040-4020