

Tetrahedron Letters Vol. 51, No. 23, 2010

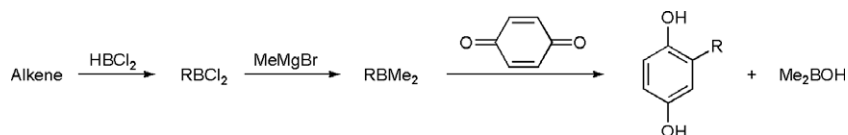
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COMMUNICATIONS

Reductive alkylation of *p*-benzoquinone using mixed organoboranes

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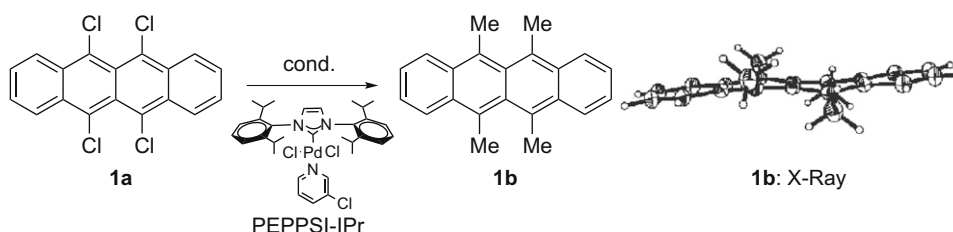
David J. Zillman, Gloria C. Hincapié, M. Reza Savari, Farhad G. Mizori, Thomas E. Cole\*



Low temperature Kumada–Corriu cross-coupling of polychlorinated acene derivatives and a synthesis of sterically demanding acenes

pp 3037–3040

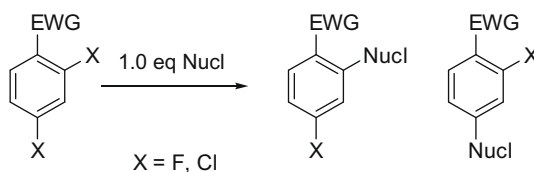
Elisey Yagodkin, Christopher J. Douglas\*



Ortho-selectivity in  $S_NAr$  substitutions of 2,4-dihaloaromatic compounds. Reactions with anionic nucleophiles

pp 3041–3044

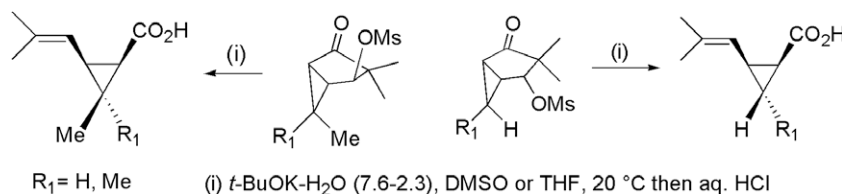
Michael D. Wendt\*, Aaron R. Kunzer



**Stereochemical issues on the fragmentation of non-enolisable  $\beta$ -heterosubstituted-cyclopentanones with wet and anhydrous potassium hydroxide**

pp 3045–3049

Alain Krief\*, Adrian Kremer

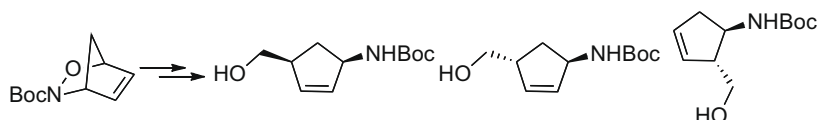


Fragmentation by potassium hydroxide of non-enolisable  $\beta$ -mesyloxy-cyclopentanones fused to a cyclopropane ring in  $\alpha,\beta'$ -positions proceeds efficiently from derivatives possessing (i) an *exo*-mesyloxy group and an *endo*-methyl group on the cyclopropane ring and (ii) an *endo*-mesyloxy group and an *endo*-hydrogen on the cyclopropane ring. This reactivity has been tentatively correlated to an antiperiplanar arrangement of atoms and bonds involved in the process accessible from various stereoisomers owing the flexibility of the five-membered ring.

**Palladium(0)/indium iodide-mediated allylations of electrophiles generated from the hydrolysis of Eschenmoser's salt: one-pot preparation of diverse carbocyclic scaffolds**

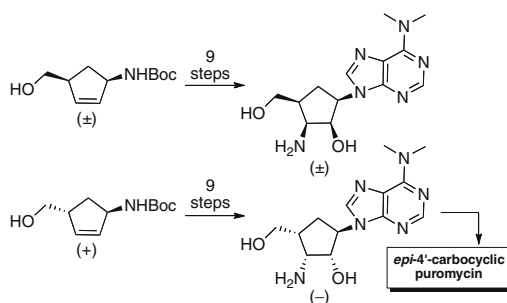
pp 3050–3052

Cara Cesario, Marvin J. Miller\*


**Syntheses of carbocyclic aminonucleosides and (–)-*epi*-4'-carbocyclic puromycin: application of palladium(0)/indium iodide-allylations and tethered aminohydroxylations**

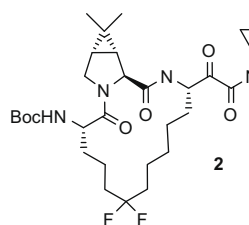
pp 3053–3056

Cara Cesario, Lawrence P. Tardibono Jr., Marvin J. Miller\*


**Design and synthesis of novel fluoro amino acids: synthons for potent macrocyclic HCV NS3 protease inhibitors**

pp 3057–3061

Latha G. Nair\*, Stephane Bogen, Frank Bennett, Kevin Chen, Bancho Vibulbhan, Yuhua Huang, Weing Yang, Ronald J. Doll, N.-Y. Shih, F. George Njoroge



The design and synthesis of various fluoro amino acids required for the synthesis of new macrocyclic inhibitors are described. Biological activity of representative compounds against HCV NS3 protease is also reported.



**Improved enamine-type addition of dehydroporphine using microwave irradiation**

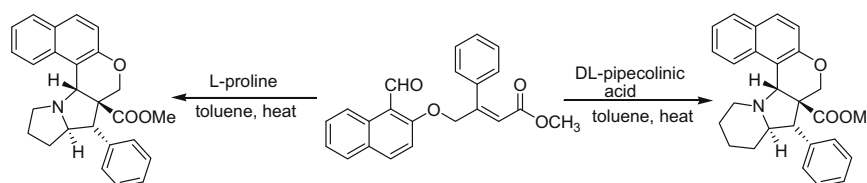
pp 3062–3064

Wei-Jan Huang, Chih-Chiang Huang, Ling-Wei Hsin, Yeun-Min Tsai, Chin-Ting Lin, Jung-Hsin Lin, Shoei-Sheng Lee\*

**Novel synthesis of naphtho[2,1-b]pyrano pyrrolizidines and indolizidines through intramolecular 1,3-dipolar cycloaddition reaction**

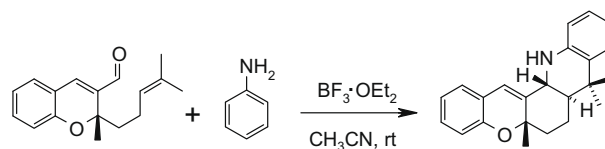
pp 3065–3070

Subban Kathiravan, Devannah Vijayarajan, Raghavachary Raghunathan\*

**Novel intramolecular aza-Diels–Alder reaction: a facile synthesis of *trans*-fused 5*H*-chromeno[2,3-*c*]acridine derivatives**

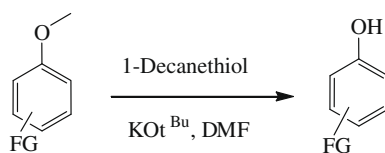
pp 3071–3074

B. V. Subba Reddy\*, Aneesh Antony, J. S. Yadav

**1-Decanethiol, a new reagent for the odorless deprotection of aryl methyl ethers**

pp 3075–3078

Bhima Kale, Ananta Shinde, Swapnil Sonar, Bapurao Shingate, Sanjeev Kumar, Samir Ghosh, Soodamani Venugopal, Murlidhar Shingare\*



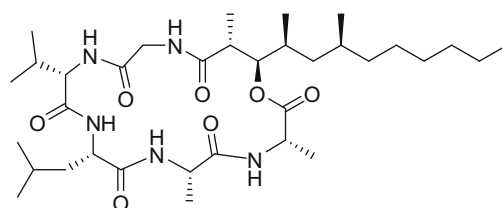
FG = Cl, Br, NH<sub>2</sub>, OMe, CHO, C=O,  
COOH, CN, C=C-CN

1-Decanethiol has been found to be an excellent reagent for the deprotection of aryl methyl ethers. This newly developed protocol afforded the corresponding phenols in good to excellent yields. A clear advantage of 1-decanethiol over the more commonly used thiols is the easy extraction of both the deprotecting reagent and the reaction byproduct into the aqueous phase, which allows an essentially odorless work-up.

**Application of desymmetrization protocol for the formal total synthesis of emericellamide B**

pp 3079–3082

Debendra K. Mohapatra\*, Sk. Samad Hossain, Santu Dhara, J. S. Yadav\*

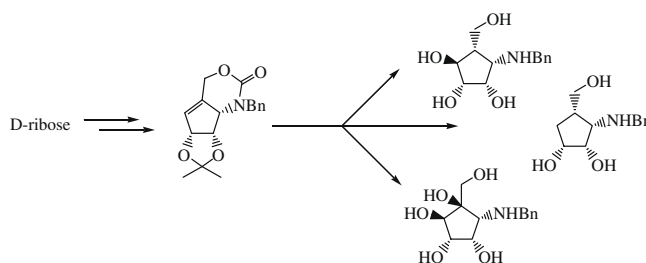


Emericellamide B

**A new stereoselective approach for *N*-benzyl amino(hydroxymethyl)cyclopentitols using RCM**

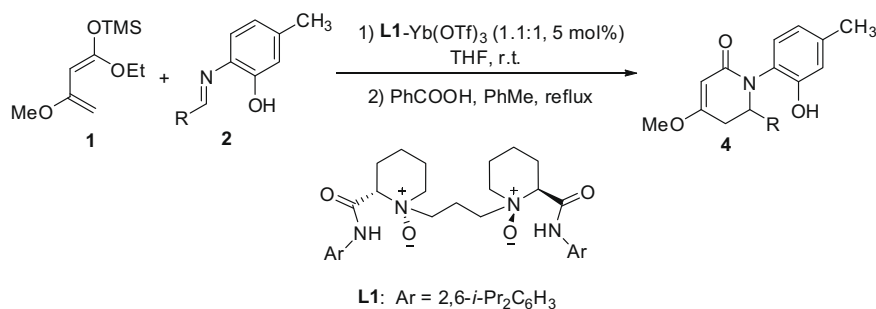
pp 3083–3087

J. Prasada Rao, B. Venkateswara Rao\*, J. Lakshmi swarnalatha

**Enantioselective aza-Diels–Alder reaction of Brassard's diene with aldimines catalyzed by chiral *N,N'*-dioxide–Yb(OTf)<sub>3</sub> complex**

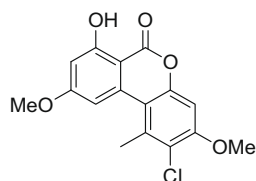
pp 3088–3091

Zhenling Chen, Lili Lin, Donghui Chen, Jiangting Li, Xiaohua Liu, Xiaoming Feng\*

**Total synthesis of graphislactone G**

pp 3092–3094

Judith Cudaj, Joachim Podlech\*



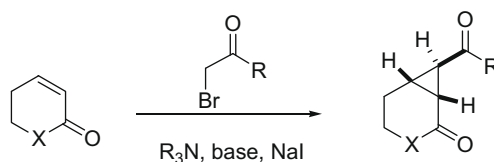
Cytotoxic graphislactone G, a metabolite of the fungus *Cephalosporium acremonium* was synthesized for the first time starting with orcinol and phloroglucinic acid.



**Nitrogen glide-mediated cyclopropanation of lactams and lactones**

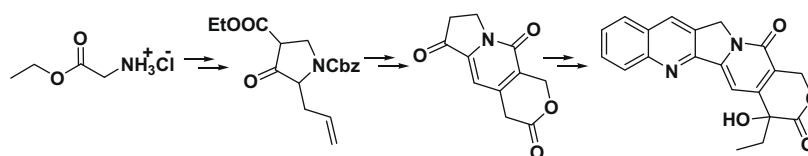
pp 3095–3098

Irene Suarez del Villar, Ana Gradillas, Gema Domínguez, Javier Pérez-Castells\*

**Formal synthesis of (±)-camptothecin via tricyclic lactone as key synthon**

pp 3099–3101

Subhash P. Chavan\*, Abasaheb N. Dhawane, Uttam R. Kalkote

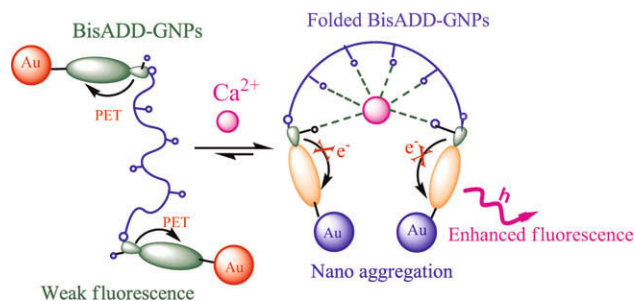


Formal synthesis of (±)-camptothecin via CDE tricyclic lactone employing tandem Michael addition, Dieckmann condensation and addition–elimination reaction as key steps starting from glycinate is described.

**Molecular folding induced nanogold aggregation**

pp 3102–3105

Ranganathan Velu, Pichandi Ashokkumar, Vayalakkavoor T. Ramakrishnan, Perumal Ramamurthy\*

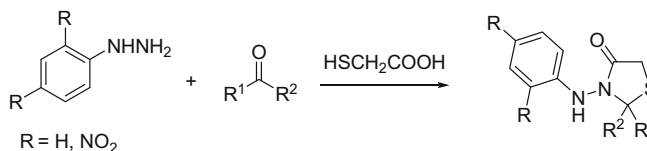


Ca<sup>2+</sup>-induced folding of bisacridinedione scaffold on gold nanoparticle and dual spectral responses.

**Efficient solvent-free synthesis of thiazolidin-4-ones from phenylhydrazine and 2,4-dinitrophenylhydrazine**

pp 3106–3108

Patrícia D. Neuenfeldt, Bruna B. Drawanz, Geonir M. Siqueira, Claudia R. B. Gomes, Solange M. S. V. Wardell, Alex F. C. Flores, Wilson Cunico\*



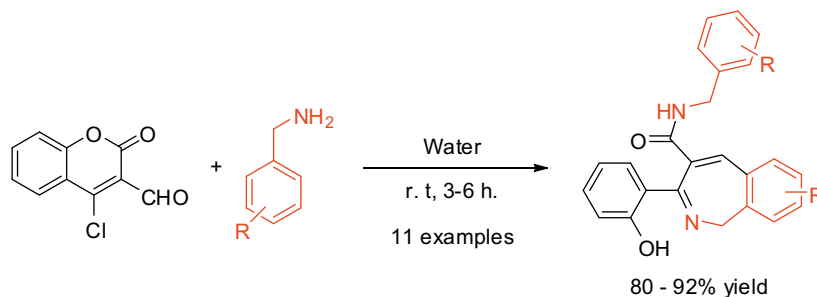
An efficient solvent-free synthesis of thiazolidinones from phenylhydrazine and 2,4-dinitrophenylhydrazine has been described.



**Efficient catalyst-free Domino approach for the synthesis of novel 2-benzazepine derivatives in water**

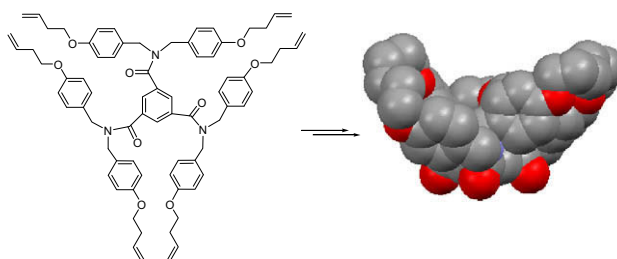
pp 3109–3111

J. Venkata Prasad, Maddela Prabhakar, K. Manjulatha, D. Rambabu, K. Anand Solomon, G. Gopi Krishna, K. Anil Kumar\*

**Synthesis and structure of a bowl-like molecule by threefold metathesis reactions**

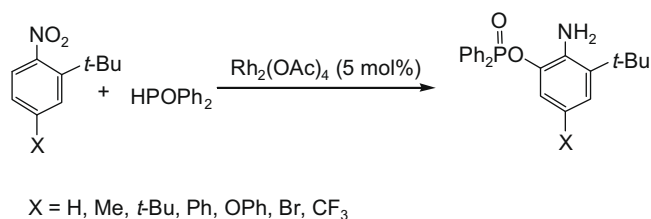
pp 3112–3115

Jing Cao, Zhi-Ping Song, Xiao-Zhang Zhu, Chuan-Feng Chen\*

**Synthesis of *o*-(diphenylphosphinoxy)anilines by the rhodium-catalyzed reaction of nitroarenes and diphenylphosphine oxide**

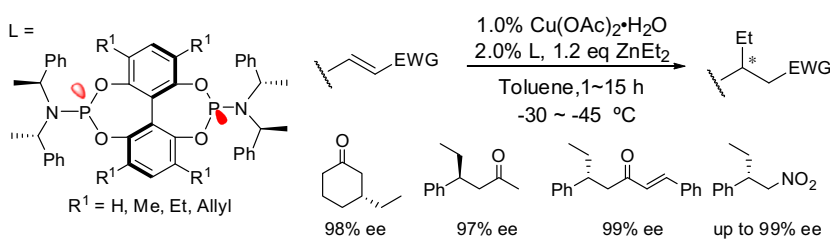
pp 3116–3118

Mieko Arisawa, Manabu Kuwajima, Masahiko Yamaguchi\*

**From  $C_2$ - to  $D_2$ -symmetry: atropis phosphoramidites with a  $D_2$ -symmetric backbone as highly efficient ligands in Cu-catalyzed conjugate additions**

pp 3119–3122

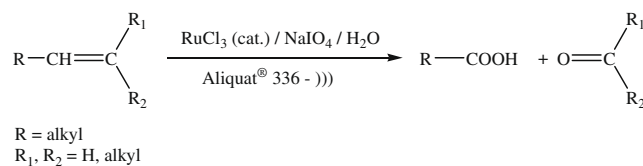
Hui Zhang, Fang Fang, Fang Xie, Han Yu, Guoqiang Yang, Wanbin Zhang\*



**Catalytic oxidative cleavage of olefins by RuO<sub>4</sub> organic solvent-free under ultrasonic irradiation**

pp 3123–3126

Sandrine Rup, Michèle Sindt, Nicolas Oget\*

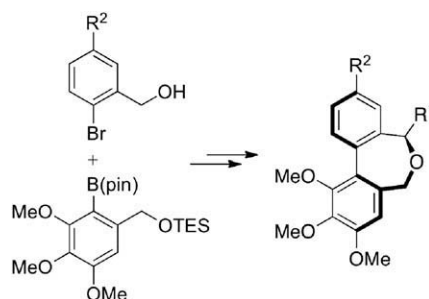


The catalytic RuO<sub>4</sub> oxidative cleavage of alkenes, cycloalkenes, etc. was performed under organic solvent-free condition and 20 kHz ultrasonic irradiation.

**Synthesis of antimicrotubule dibenzoxepines**

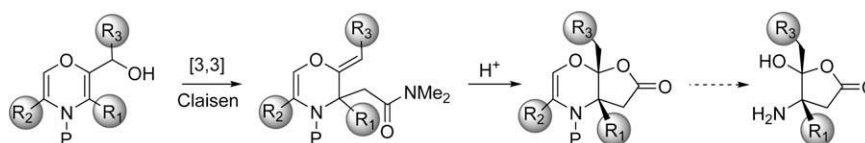
pp 3127–3129

Virginie Colombel, Agnès Joncour, Sylviane Thoret, Joëlle Dubois, Jérôme Bignon, Joanna Wdziedzak-Bakala, Olivier Baudoin\*

**Access to novel bicyclic fused  $\gamma$ -butyrolactone using [3,3]-sigmatropic rearrangement and acid-lactonization sequence as key transformation**

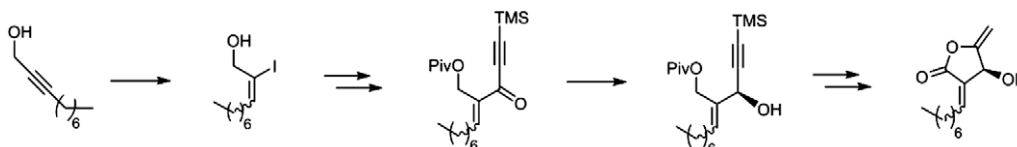
pp 3130–3133

Elise Claveau, Erwan Noirjean, Pascal Bouyssou, Gérard Coudert, Isabelle Gillaizeau\*

**Stereo-controlled synthesis of analogs of peumusolide A, NES non-antagonistic inhibitor for nuclear export of MEK**

pp 3134–3137

Satoru Tamura, Masayuki Tonokawa, Nobutoshi Murakami\*

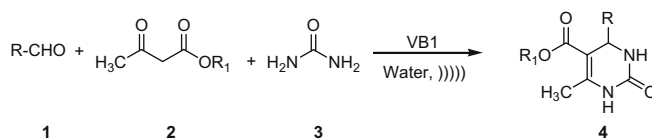


Stereo-controlled construction of the core structure of peumusolide A (**1**),  $\alpha$ -alkylidene- $\beta$ -hydroxy- $\gamma$ -methylenebutyrolactone, was developed by a combination of regio- and stereo-selective hydroiodination of 2-yn-1-ol and asymmetric reduction of 1-yn-4-en-3-one as the key reactions.

**An efficient synthesis of 3,4-dihydropyrimidin-2(1H)-ones catalyzed by thiamine hydrochloride in water under ultrasound irradiation**

pp 3138–3140

Priyanka G. Mandhane, Ratnadeep S. Joshi, Deepak R. Nagargoje, Charansingh H. Gill\*

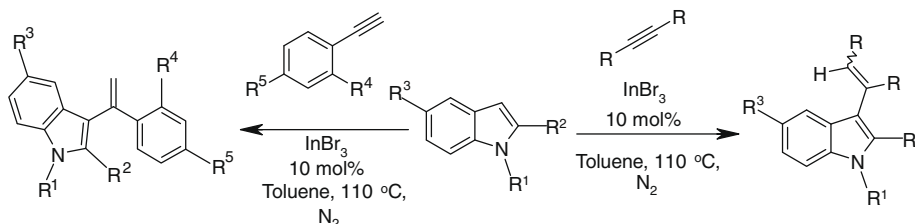


An environmentally benign aqueous Biginelli protocol for the synthesis of substituted 3,4-dihydropyrimidin-2(1H)-ones using thiamine hydrochloride as a catalyst has been achieved. These ultrasound-assisted reactions proceed efficiently in water in the absence of organic solvent. Utilization of ultrasound irradiation, simple reaction conditions, isolation, and purification makes this manipulation very interesting from an economic and environmental perspective.

**Indium(III) bromide-catalyzed hydroarylation of alkynes with indoles**

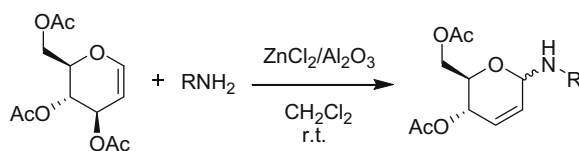
pp 3141–3145

G. Bhaskar, C. Saikumar, P. T. Perumal\*


**A mild and efficient synthetic protocol for Ferrier azaglycosylation promoted by ZnCl<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub>**

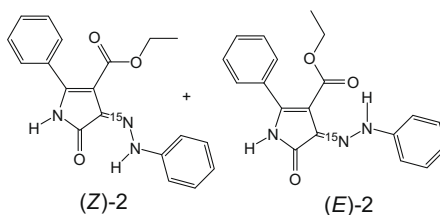
pp 3146–3148

Feiqing Ding, Ronny William, Bala Kishan Gorityala, Jimei Ma, Siming Wang, Xue-Wei Liu\*

R=ArSO<sub>2</sub>, ArCO, Cbz or Boc
**A <sup>1</sup>H, <sup>13</sup>C and <sup>15</sup>N NMR spectroscopic and GIAO DFT study of ethyl 5-oxo-2-phenyl-4-(2-phenylhydrazono)-4,5-dihydro-1H-pyrrole-3-carboxylate**

pp 3149–3151

Antonín Lyčka\*, Stanislav Luňák Jr., Tarek Aysha, Radim Holuša, Radim Hrdina

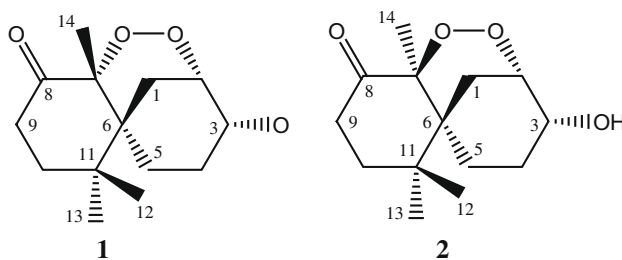




**Two novel norsesquiterpene peroxides from basidiomycete *Steccherinum ochraceum***

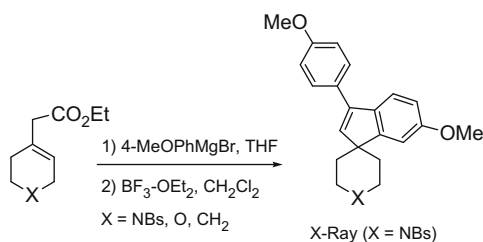
pp 3152–3153

Dong-Ze Liu, Ze-Jun Dong, Fang Wang, Ji-Kai Liu\*

**BF<sub>3</sub>-promoted synthesis of spiroindenyl heterocycles**

pp 3154–3158

Meng-Yang Chang\*, Chung-Han Lin, Yeh-Long Chen, Ru-Ting Hsu, Ching-Yao Chang

**OTHER CONTENT****Corrigendum**

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\*Corresponding author

Supplementary data available via ScienceDirect

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