

Tetrahedron Letters Vol. 51, No. 32, 2010

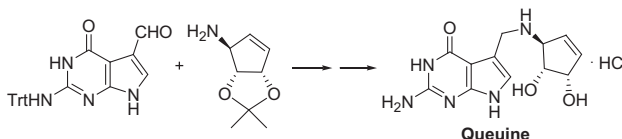
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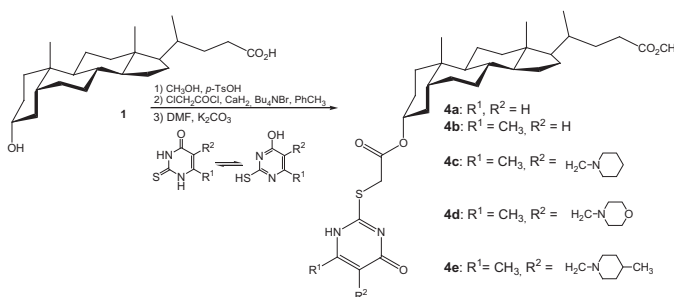
Allen F. Brooks, George A. Garcia, H. D. Hollis Showalter\*



A practical synthesis and spectroscopic study of new potentially biologically active S-lithocholic acid-substituted derivatives of 2-thiouracil

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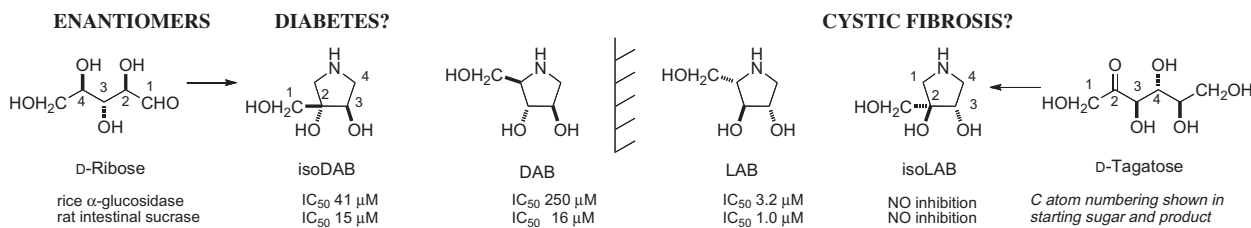
Tomasz Pospieszny\*, Izabela Małeczka, Zdzisław Paryzek



Cystic fibrosis and diabetes: isoLAB and isoDAB, enantiomeric carbon-branched pyrrolidine iminosugars

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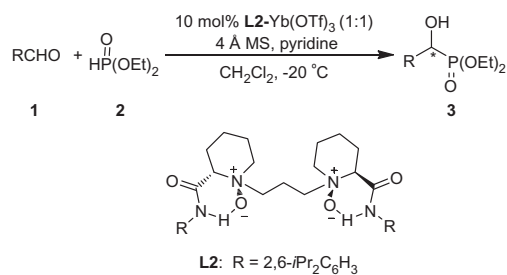
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**Chiral *N,N'*-dioxide-Yb(III) complexes catalyzed enantioselective hydrophosphonylation of aldehydes**

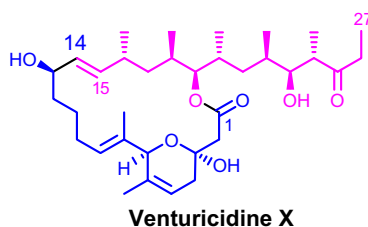
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Weiliang Chen, Yonghai Hui, Xin Zhou, Jun Jiang, Yunfei Cai, Xiaohua Liu, Lili Lin, Xiaoming Feng\*

**Synthesis of C15–C27 segment of venturicinide X by utilizing desymmetrization protocol**

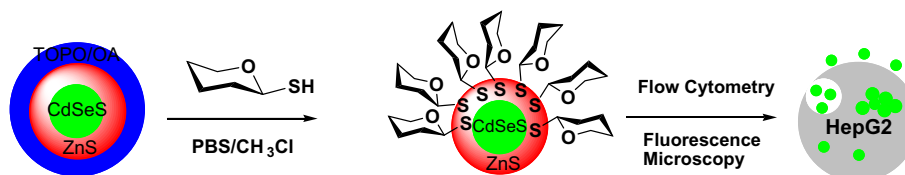
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J. S. Yadav\*, Sk. Samad Hossain, Debendra K. Mohapatra

**Design and fabrication of multivalent Gal-containing quantum dots and study of its interactions with asialoglycoprotein receptor (ASGP-R)**

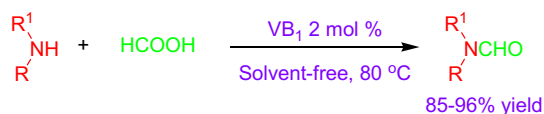
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Yang Yang, Yue-Tao Zhao, Ting-Ting Yan, Min Yu, Yin-Lin Sha, Zhi-Hui Zhao\*, Zhong-Jun Li\*

**A convenient one-pot synthesis of formamide derivatives using thiamine hydrochloride as a novel catalyst**

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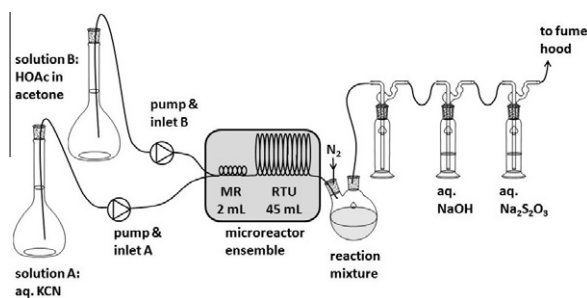
Min Lei, Lei Ma\*, Lihong Hu\*



**A safe production method for acetone cyanohydrin**

pp 4189–4191

Thomas S. A. Heugebaert, Bart I. Roman, Ann De Blicck, Christian V. Stevens\*

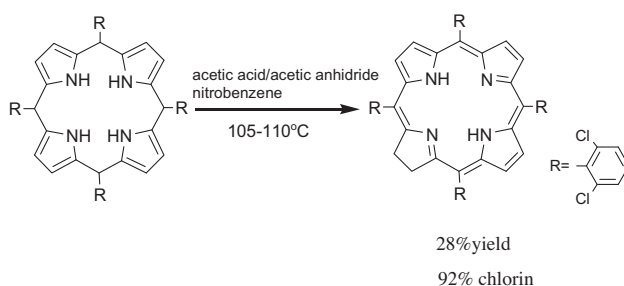


The safe, continuous production of acetone cyanohydrin is presented, using a microreactor system.

**Controlled porphyrinogen oxidation for the selective synthesis of meso-tetraarylchlorins**

pp 4192–4194

Arménio C. Serra, António M. d'A. Rocha Gonsalves\*

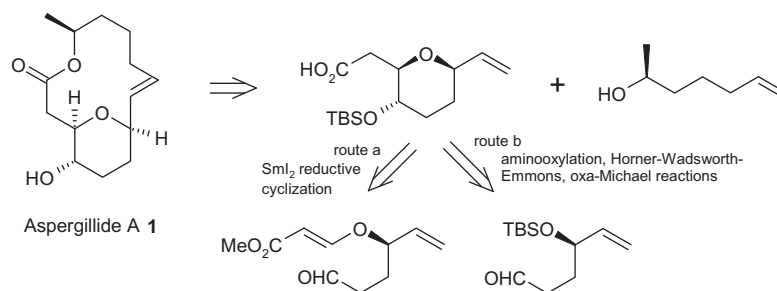


Specific reaction conditions were developed for the selective oxidation of tetraarylporphyrinogens to tetraarylchlorins. The kind of substituent determines the selectivity to chlorin or to porphyrin.

**Stereoselective formal synthesis of aspergillide A**

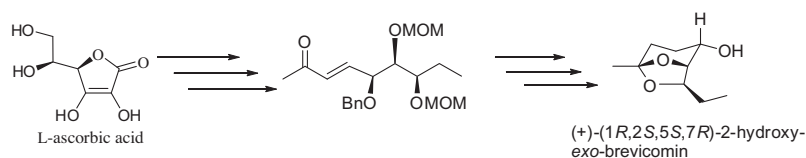
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Gowravaram Sabitha\*, D. Vasudeva Reddy, A. Senkara Rao, J. S. Yadav

**Stereoselective synthesis of (+)-(1R,2S,5S,7R)-2-hydroxy-*exo*-brevicomine**

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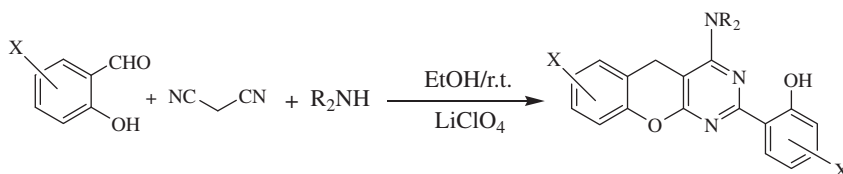
D. Gautam, B. Venkateswara Rao\*



**Pseudo four-component synthesis of benzopyranopyrimidines**

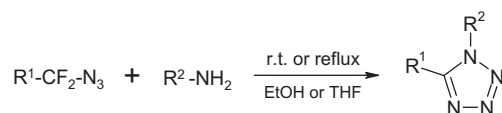
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Ramin Ghahremanzadeh, Tayebah Amanpour, Ayoob Bazgir\*

**A novel synthesis of 1,5-disubstituted fluorinated tetrazoles from 1,1-difluoroazides**

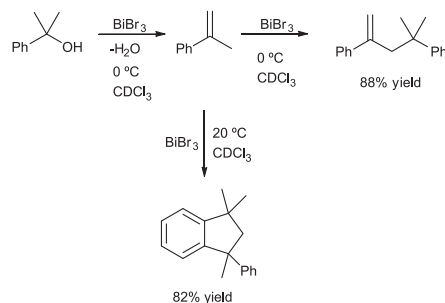
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Anna G. Polivanova, Sergey V. Shkavrov, Andrei V. Churakov, Anatoly S. Lermontov, Sergey A. Lermontov\*

**A chemoselective route to either 4-methyl-2,4-diphenyl-2-pentene or 1,1,3-trimethyl-3-phenylindane from 2-phenylpropan-2-ol mediated by BiBr3: a mechanistic study**

pp 4208–4210

Fredrick Howard, Supaporn Sawadjoon, Joseph S. M. Samec\*

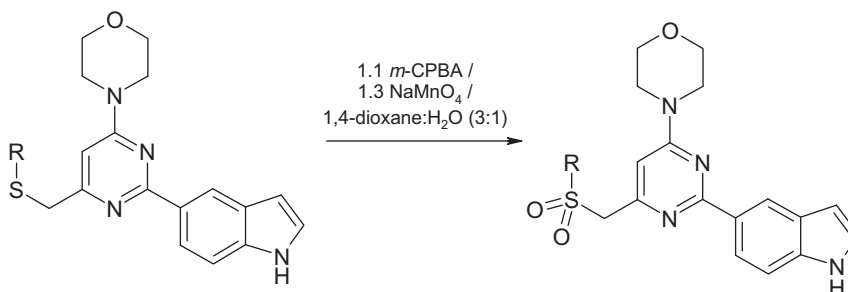


The reaction of 2-phenylpropan-2-ol mediated by BiBr<sub>3</sub> can, through control of the temperature, yield selectively either 4-methyl-2,4-diphenyl-2-pentene or 1,1,3-trimethyl-3-phenylindane. A reaction mechanism that proceeds via 1-methylstyrene is disclosed.

**A one-pot sulfide to sulfone oxidation with *m*-chloroperoxybenzoic acid and sodium permanganate**

pp 4211–4213

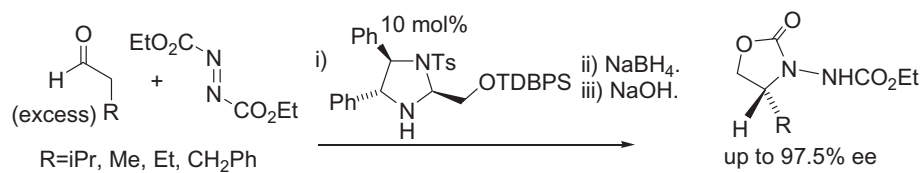
Allan Dishington\*, Shaun Fillery, M. Raymond V. Finlay



**Synthesis and use of a stable aмина derived from TsDPEN in asymmetric organocatalysis**

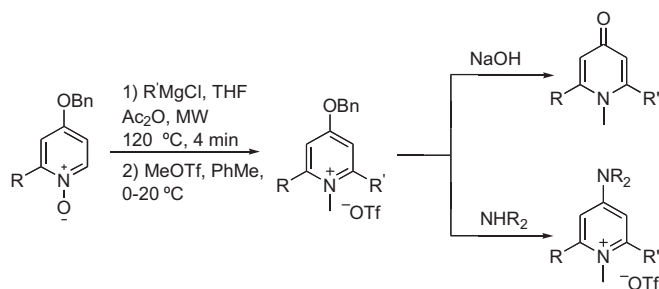
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Silvia Gosiewska, Rina Soni, Guy J. Clarkson, Martin Wills\*

**Synthesis of substituted 4-pyridones and 4-aminopyridinium salts via a one-pot pyridine synthesis**

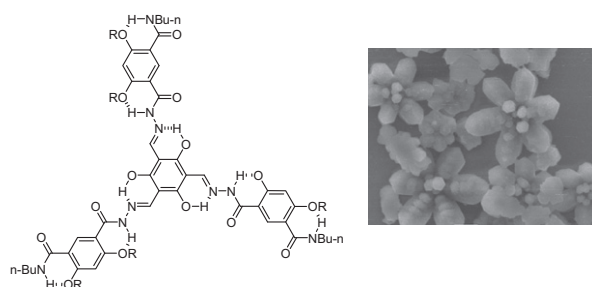
pp 4218–4220

Hans Andersson, Sajal Das, Magnus Gustafsson, Roger Olsson\*, Fredrik Almqvist\*

**The self-assembly of six-petal microflowers by hydrogen-bonded shape-persistent triangular aromatic hydrazide derivatives**

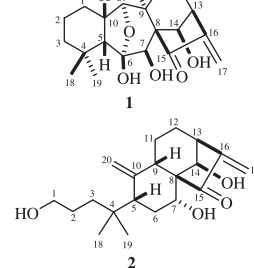
pp 4221–4224

Jian-Bin Lin, Gui-Tao Wang, Xi-Kui Jiang, Zhan-Ting Li\*

**Two novel diterpenoids from *Isodon rubescens* var. *lushanensis***

pp 4225–4228

Hai-Bo Zhang, Xue Du, Jian-Xin Pu\*, Yuan-Yuan Wang, Fei He, Yong Zhao, Xiao-Nian Li, Xiao Luo, Wei-Lie Xiao, Yan Li, Han-Dong Sun\*



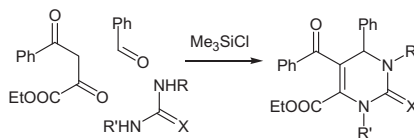
Two novel diterpenoids, luanchunins A (**1**) and B (**2**), along with their precursor, kamebakaurin (**3**), had been isolated from the stems and leaves of *Isodon rubescens* var. *lushanensis*. Their structures were elucidated on the basis of extensive spectroscopic analyses. Compounds **1** and **2** showed potent cytotoxic activity against HL-60 with IC<sub>50</sub> values of 4.81 μM and 3.52 μM, respectively. Plausible pathways for the biosynthesis of **1** and **2** were also postulated.



**Acyl pyruvates as synthons in the Biginelli reaction**

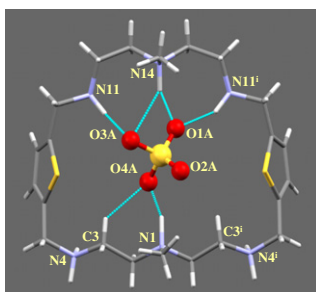
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Sergey V. Ryabukhin\*, Andrey S. Plaskon, Semen S. Bondarenko, Eugeny N. Ostapchuk, Oleksandr O. Grygorenko, Oleg V. Shishkin, Andrey A. Tolmachev

**Cooperative NH...O and CH...O interactions for sulfate encapsulation in a thiophene-based macrocycle**

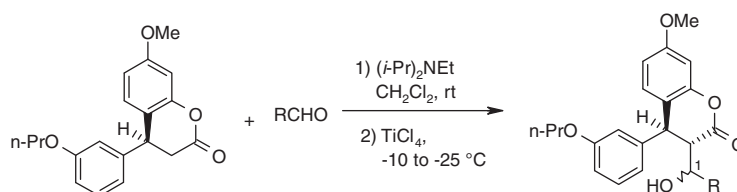
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Musabbir A. Saeed, Douglas R. Powell, Frank R. Fronczek, Md. Alamgir Hossain\*

**A simple and scalable procedure for TiCl<sub>4</sub>-promoted aldol reaction**

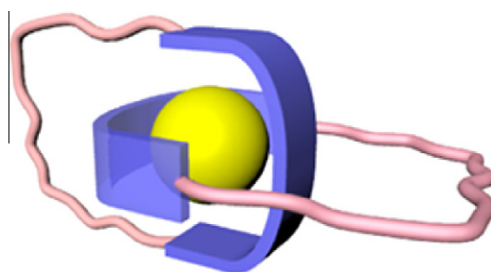
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Qiaogong Su\*, Jeffery L. Wood

**A catenated anion receptor based on indolocarbazole**

pp 4240–4242

Min Kyung Chae, Jae-min Suk, Kyu-Sung Jeong\*

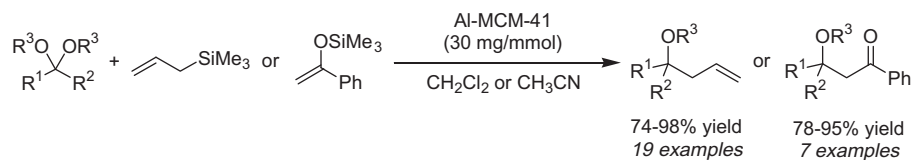


A catenated anion receptor has been prepared which consists of two interlocked indolocarbazole units and binds anions in the cage-like cavity by four hydrogen bonds.

**Mesoporous aluminosilicate-catalyzed Sakurai allylation and Mukaiyama aldol reaction of acetals**

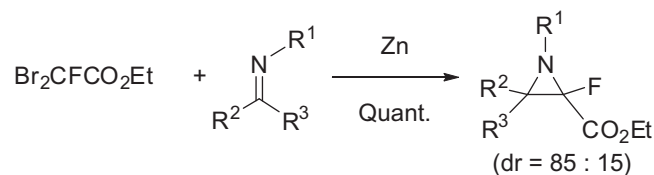
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Suguru Ito, Akira Hayashi, Hiroto Komai, Yoshihiro Kubota, Masatoshi Asami\*

**Diastereoselective synthesis of 2-fluoroaziridine-2-carboxylates by Reformatsky-type aza-Darzens reaction**

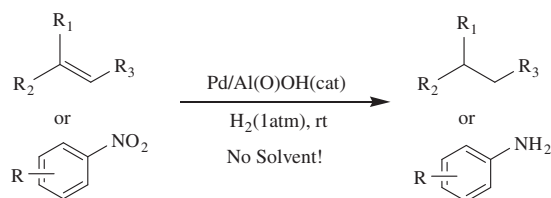
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Atsushi Tarui, Naoto Kawashima, Kazuyuki Sato, Masaaki Omote, Akira Ando\*

**Highly efficient solvent-free catalytic hydrogenation of solid alkenes and nitro-aromatics using Pd nanoparticles entrapped in aluminum oxy-hydroxide**

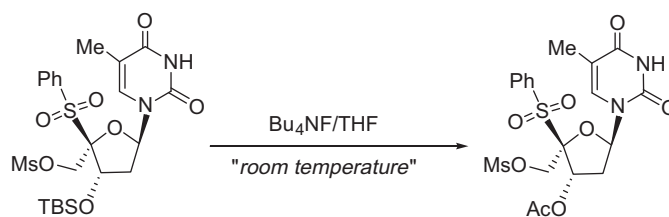
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Fei Chang, Hakwon Kim\*, Byeongno Lee, Sungho Park, Jaiwook Park

**Self-sacrificing acetylation observed during attempted desilylation of 1-[4-benzenesulfonyl-3-O-(tert-butyl)dimethylsilyl]-2-deoxy-5-O-methanesulfonyl- $\alpha$ -L-threo-pentofuranosyl]thymine**

pp 4253–4255

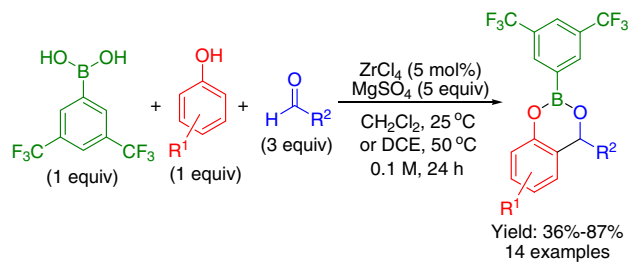
Hisashi Shimada, Yutaka Kubota, Hiromichi Tanaka\*



**Zirconium-catalyzed Nagata reaction for the synthesis of 2-aryl-1,3,2-aryldioxabororins via a mild three-component condensation of phenols, aldehydes, and boronic acid**

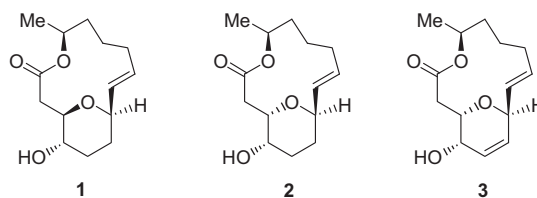
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Hongchao Zheng, Dennis G. Hall\*


**Convergent synthesis of (+)-aspergillide B via a highly diastereoselective oxocarbenium allylation**

pp 4260–4262

Amanda J. Mueller Hendrix, Michael P. Jennings\*

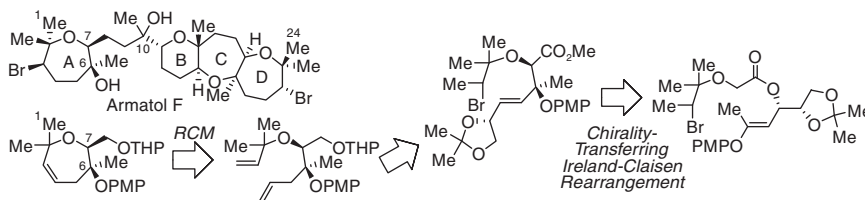


aspergillides A (1), B (2), and C (3).

The synthesis of (+)-aspergillide B is described by using a stereoselective oxocarbenium allylation to forge the  $\alpha$ -C-glycoside subunit.
**Studies toward the total synthesis of armatol F: stereoselective construction of the C6 and C7 stereocenters and formation of the A-ring skeleton**

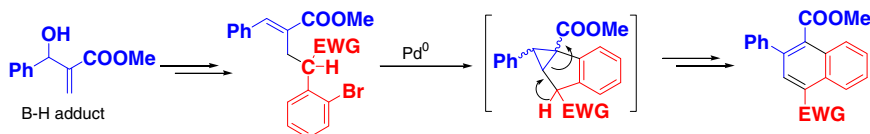
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Kenshu Fujiwara\*, Yuta Hirose, Daisuke Sato, Hidetoshi Kawai, Takanori Suzuki


**Regioselective synthesis of naphthalenes from modified Baylis–Hillman adducts via a Pd-catalyzed cyclization: 5-exo-carbopalladation, C(sp<sup>3</sup>)-H activation to cyclopropane, ring-opening, and aromatization cascade**

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Se Hee Kim, Hyun Seung Lee, Ko Hoon Kim, Jae Nyoung Kim\*

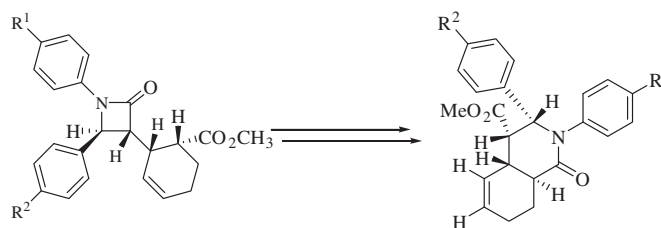




**Diastereoselective approach to novel octahydroisoquinolones and an extension to its one-pot synthesis**

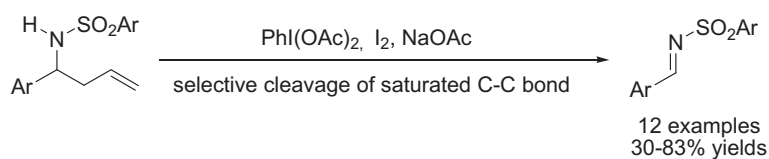
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Pardeep Singh, Gaurav Bhargava, Vipin Kumar, Mohinder P. Mahajan\*

**Base-promoted selective  $\beta$ -fragmentation of homoallylamines**

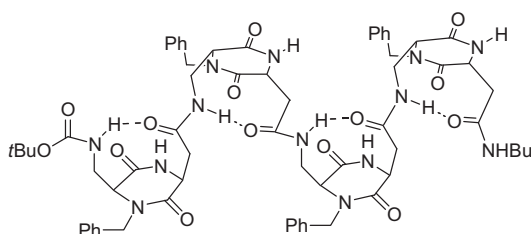
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Weixun Li, Jianhong Gan, Renhua Fan\*

**Foldamers of bifunctional diketopiperazines displaying a  $\beta$ -bend ribbon structure**

pp 4278–4280

Régis Delatouche, Marco Durini, Monica Civera, Laura Belvisi, Umberto Piarulli\*

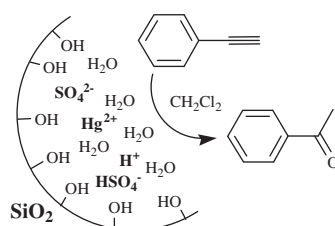


The conformational preferences of oligomeric (DKP-1)<sub>n</sub> were studied by <sup>1</sup>H NMR, CD, and molecular modeling, revealing a sequence of reverse turns with formation of 10-membered hydrogen-bonded cycles.

**Silica-supported HgSO<sub>4</sub>/H<sub>2</sub>SO<sub>4</sub>: a convenient reagent for the hydration of alkynes under mild conditions**

pp 4281–4283

Rossella Mello, Ana Alcalde-Aragonés, María Elena González-Núñez\*



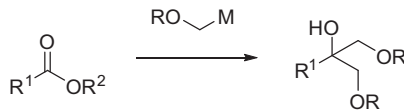
Supported aqueous-phase catalyst (SAPC) is a suitable approach to perform the Hg(II)-catalyzed hydration of alkynes.



**The double addition reaction of alkoxyethyl nucleophiles to esters to generate novel polyoxygenated species**

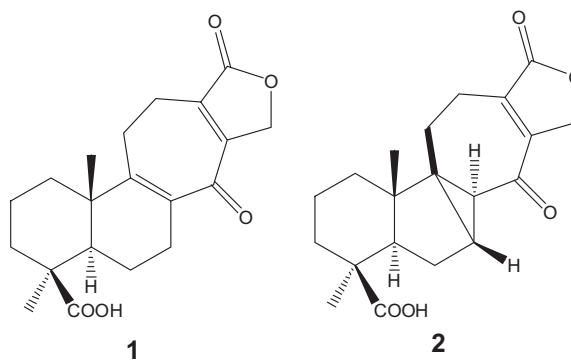
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Vishal A. Verma\*, Ashok Arasappan, F. George Njoroge

**Salviatalin A and salvitrijudin A, two diterpenes with novel skeletons from roots of *Salvia digitaloides* and anti-inflammatory evaluation**

pp 4287–4290

Shwu-Jen Wu, Hsiu-Hui Chan, Tsong-Long Hwang, Keduo Qian, Susan Morris-Natschke, Kuo-Hsiung Lee, Tian-Shung Wu\*



\*Corresponding author

Supplementary data available via ScienceDirect

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