

Tetrahedron Letters Vol. 50, No. 30, 2009

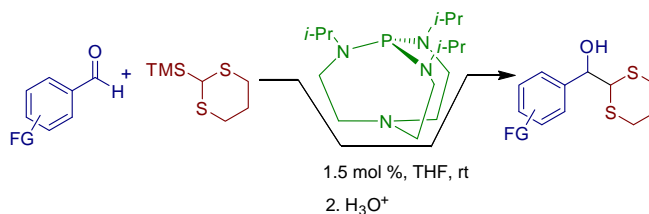
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COMMUNICATIONS

P(*i*-PrNCH₂CH₂)₃N: an efficient catalyst for TMS-1,3-dithiane addition to aldehydes

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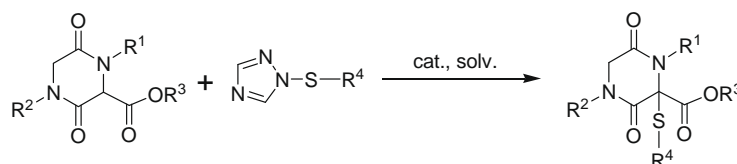
Kuldeep Wadhwa, John G. Verkade *



Efficient organocatalytic α -sulfenylation of substituted piperazine-2,5-diones

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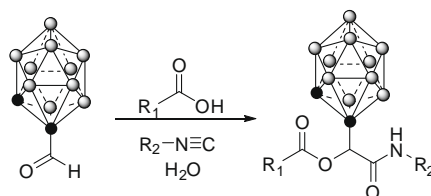
Ramin Dubey, Nathan W. Polaske, Gary S. Nichol, Bogdan Olenyuk *



Synthesis of α -carboranyl- α -acyloxy-amides as potential BNCT agents

pp 4314–4317

Subash C. Jonnalagadda *, Jonathan S. Cruz, Ryan J. Connell, Patricia M. Scott, Venkatram R. Mereddy *

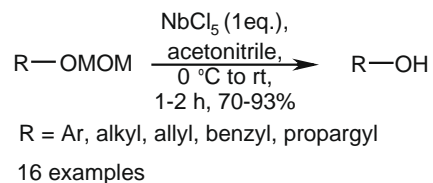


Novel α -carboranyl- α -acyloxy-amides were prepared as potential BNCT agents utilizing three-component Passerini reaction. Preliminary cytotoxicity of the representative compounds on two brain tumor cell lines (U-87 and A-172) showed no effect on cell viability; an essential requirement for utility as potential BNCT agents.

NbCl₅ mediated deprotection of methoxy methyl ether

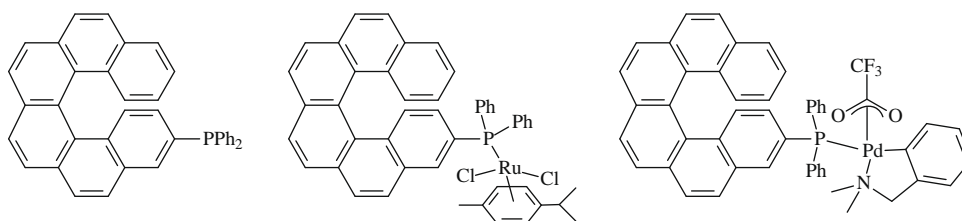
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J. S. Yadav *, B. Ganganna, Dinesh C. Bhunia, P. Srihari

**An alternative approach to 3-(diphenylphosphino)hexahelicene**

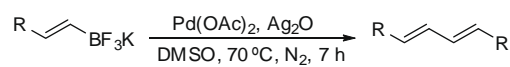
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Faouzi Aloui, Béchir Ben Hassine *

**Palladium-catalyzed oxidative homocoupling of potassium alkenyltrifluoroborates: synthesis of symmetrical 1,3-dienes**

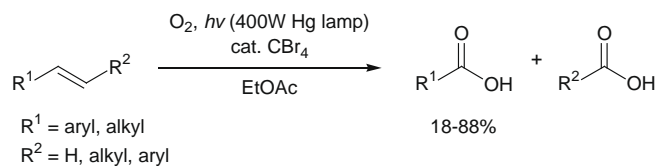
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Minéia Weber, Fateh V. Singh, Adriano S. Vieira, Hélio A. Stefani *, Marcio W. Paixão *

**Aerobic photo-oxidative cleavage of the C–C double bonds of styrenes**

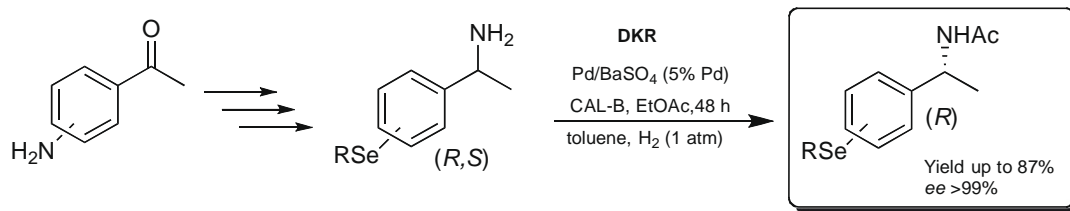
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Shin-ichi Hirashima, Yasuhisa Kudo, Tomoya Nobuta, Norihiro Tada, Akichika Itoh *

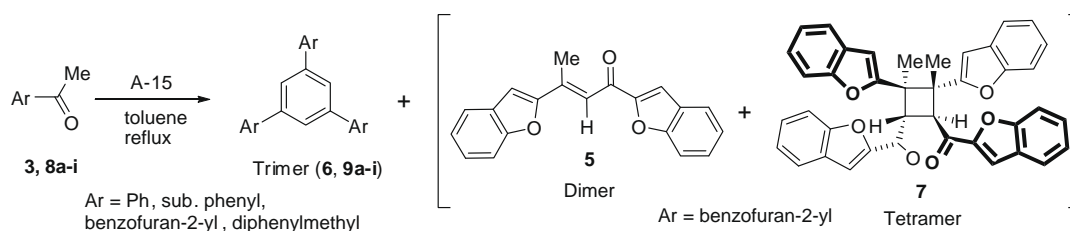


First dynamic kinetic resolution of selenium-containing chiral amines catalyzed by palladium (Pd/BaSO₄) and *Candida antartica* lipase (CAL-B)

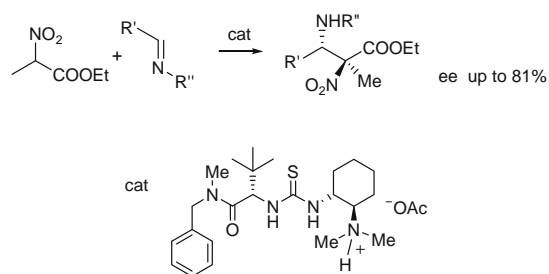
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Leandro H. Andrade ^{*}, Alexandre V. Silva, Eliane C. Pedrozo**Reusable resin Amberlyst 15 catalyzed new convenient protocol for accessing arylated benzene scaffolds**

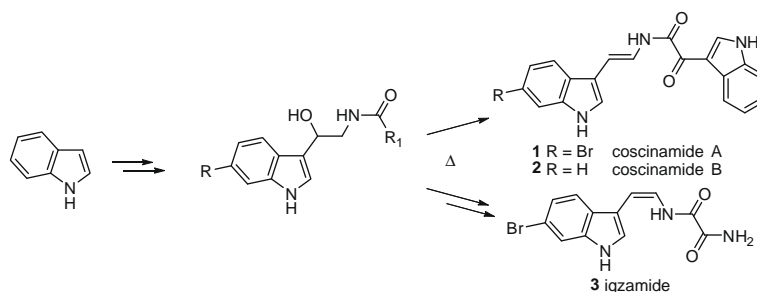
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Amit Kumar, Manish Dixit, Salil P. Singh, Resmi Raghunandan, Prakas R. Maulik, Atul Goel ^{*}**Enantioselective catalytic addition of nitroesters to *N*-carboalkoxy imines: a route to quaternary stereocenters**

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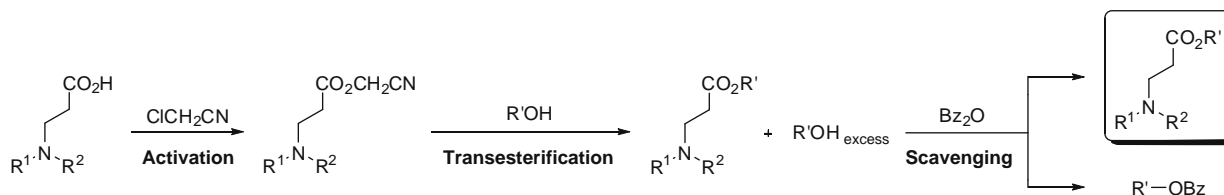
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Yuelong Ma, Kenichi Yakushijin, Fumiko Miyake, David Horne ^{*}

Efficient synthesis of esters containing tertiary amine functionalities via active cyanomethyl ester intermediates

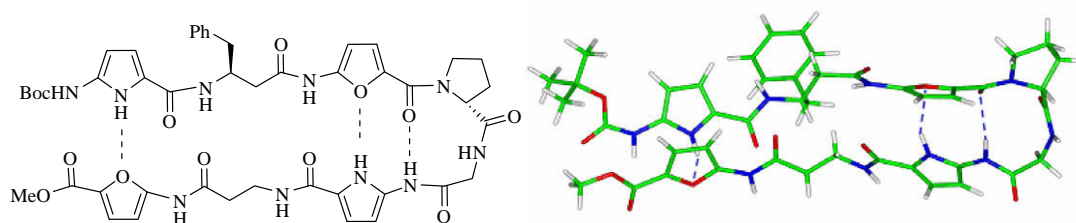
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Camille Bouillon, Gilles Quéléver*, Ling Peng

**Stabilization of β -hairpin structures via inter-strand π - π and hydrogen bond interactions in α -, β -, γ -hybrid peptides**

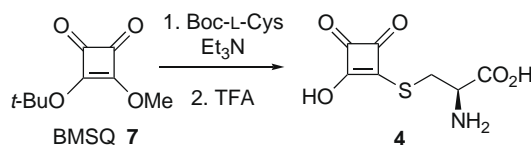
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Tushar K. Chakraborty*, K. Srinivasa Rao, M. Udaya Kiran, B. Jagadeesh*

**Thiol addition to *t*-butyl methyl squarate. Efficient synthesis of novel sulfur-linked squaryl group-containing glutamate analogs**

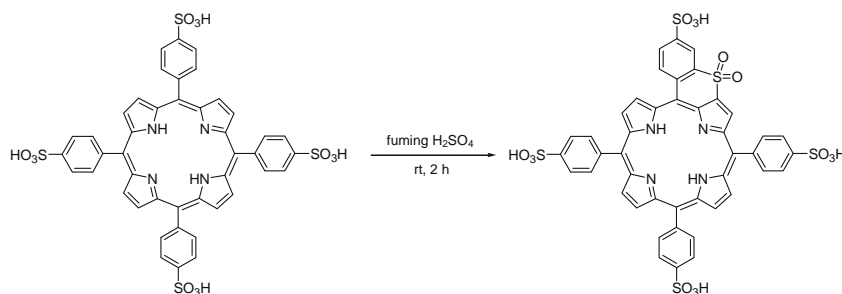
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Tetsuro Shinada*, Atsuko Yamasaki, Yu-ichi Kiniwa, Keiko Shimamoto, Yasufumi Ohfuné*

**Synthesis and characterization of a water-soluble porphyrin with a cyclic sulfone**

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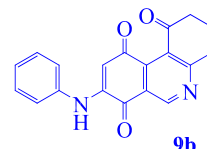
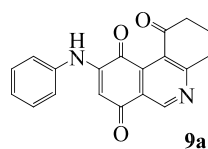
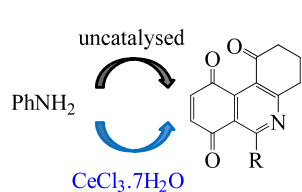
Yu Cao, Anila Fiaz Gill, Dabney W. Dixon*



Regiochemical control in the amination reaction of phenanthridine-7,10-quinones

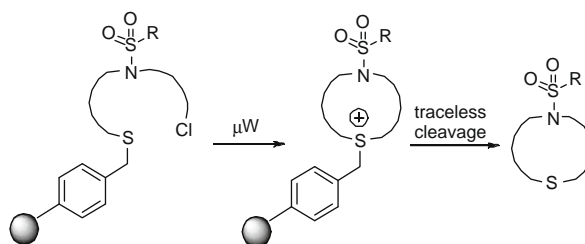
pp 4361–4363

Jaime A. Valderrama *, J. Andrea Ibacache

Compound **9b** was 17-fold more cytotoxic than **9a** against human gastric adenocarcinoma**Traceless solid-phase synthesis of multiple sulfonamide-containing cyclic sulfides exploiting microwave irradiation**

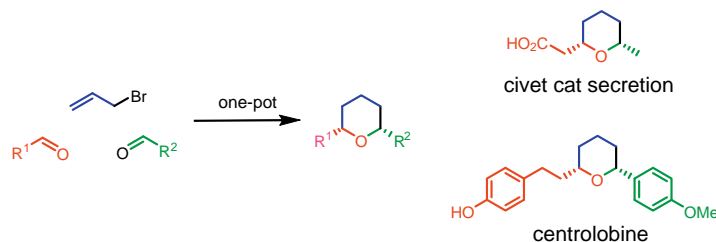
pp 4364–4367

Kunio Saruta *, Tsuyoshi Ogiku, Koichi Fukase

**One-pot total syntheses of natural products containing a THP-ring backbone: (±)-centrolobine and (±)-civet cat secretion**

pp 4368–4371

Hai Zhou, Teck-Peng Loh *

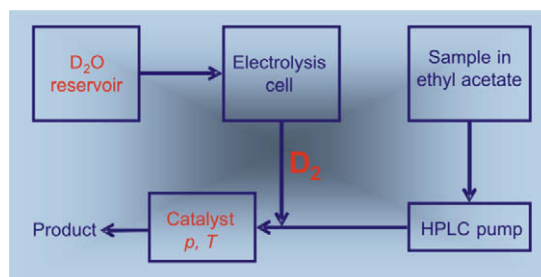


A one-pot strategy is devised and applied to the total syntheses of natural products with a THP-ring backbone. A special feature of this one-pot synthesis is the recyclability of the indium complex byproduct generated from the indium-mediated allylation reaction for concurrent catalysis in subsequent steps. Centrolobine and civet cat secretion are synthesized via this new method in overall yields of 58% and 23%, respectively.

**A simple, efficient, and selective deuteration via a flow chemistry approach**

pp 4372–4374

István M. Mándity, Tamás A. Martinek, Ferenc Darvas, Ferenc Fülöp *

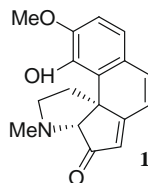


Continuous flow reactors offer a very efficient method for deuteration. This procedure simplifies deuterium labeling to a routine process.



Sinoracutine, a novel skeletal alkaloid with cell-protective effects from *Sinomenium acutum*

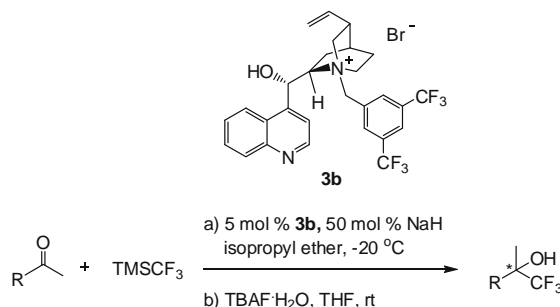
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Guan-Hu Bao, Xiao-Ling Wang, Xi-Can Tang, Pauline Chiu ^{*}, Guo-Wei Qin ^{*}

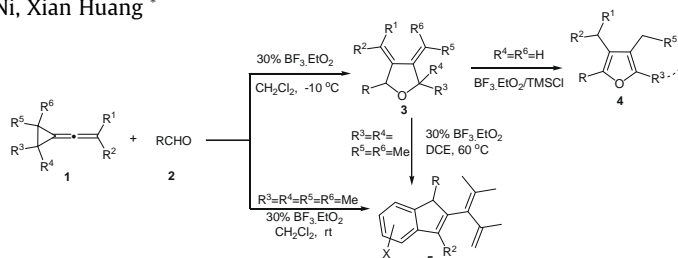
From the stems of *Sinomenium acutum*, sinoracutine (**1**) has been isolated, an alkaloid with a structurally novel skeletal framework, whose structure has been established by spectral and single crystal X-ray diffraction analysis. In vitro experiments show that sinoracutine increases cell viability against hydrogen peroxide-induced oxidative injury.

**Cinchona alkaloid-derived quaternary ammonium salt combined with NaH: a facile catalyst system for the asymmetric trifluoromethylation of ketones**

pp 4378–4380

Xiaolei Hu, Jun Wang, Wei Li, Lili Lin, Xiaohua Liu, Xiaoming Feng ^{*}**An efficient synthesis of polysubstituted tetrahydrofuran and indene derivatives via the Lewis acid-mediated cycloadditions of VCPs with aldehydes**

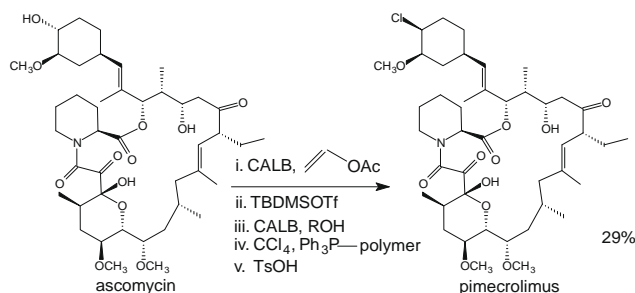
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Chenliang Su, QingYang Liu, Yong Ni, Xian Huang ^{*}

A variety of polysubstituted tetrahydrofuran and indene derivatives were prepared in moderate to excellent yields via the cycloadditions of vinylidene cyclopropanes with common aldehydes in the presence of Lewis acid. The polysubstituted tetrahydrofuran **3** could undergo further transformations to the indene product **4** and furan derivatives **5**.

**First chemoenzymatic synthesis of immunomodulating macrolactam pimicrolimus**

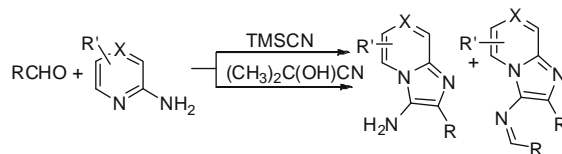
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Patrizia Ferraboschi ^{*}, Diego Colombo, Maria De Mieri, Paride Grisenti

Silica-sulfuric acid: a highly efficient catalyst for the synthesis of imidazo[1,2-a]pyridines using trimethylsilyl cyanide or cyanohydrins

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Anatoliy I. Polyakov, Vera A. Eryomina, Lidiya A. Medvedeva, Nadezhda I. Tihonova, Anna V. Listratova, Leonid G. Voskressensky *

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*Corresponding author

i+ Supplementary data available via ScienceDirect

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ISSN 0040-4039