

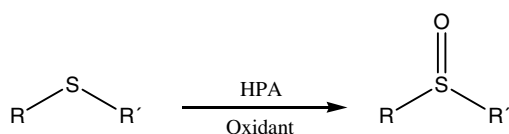
Tetrahedron Letters Vol. 49, No. 9, 2008

Contents

COMMUNICATIONS

**Heterocyclic amine salts of Keggin heteropolyacids used as catalyst for the selective oxidation of sulfides to sulfoxides** pp 1441–1444

Angel G. Sathicq, Gustavo P. Romanelli \*, Valeria Palermo, Patricia G. Vázquez, Horacio J. Thomas

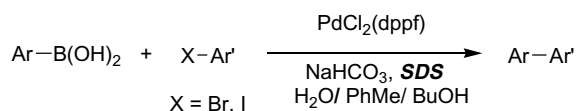


R = Aryl, Alkyl

Sulfides were selectively oxidized to sulfoxide using heterocyclic amine salts of Keggin heteropolyacids as catalysts at room temperature in very good yields (80–100%).

**Palladium-catalyzed Suzuki cross-coupling reactions in a microemulsion** pp 1445–1449

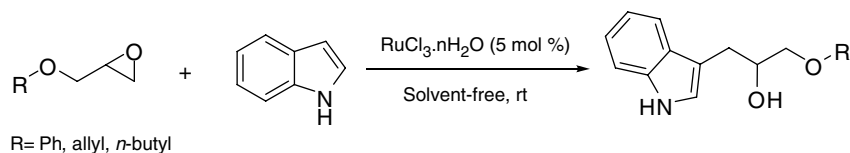
Valery Vashchenko \*, Alexander Krivoshey, Irina Knyazeva, Alexey Petrenko, John W. Goodby



An enhancement of palladium-catalyzed Suzuki cross-coupling reactions between substrates possessing long-chain alkyl or oxyalkyl substituents is shown.

**Solvent-free, ruthenium-catalyzed, regioselective ring-opening of epoxides, an efficient route to various 3-alkylated indoles** pp 1450–1454

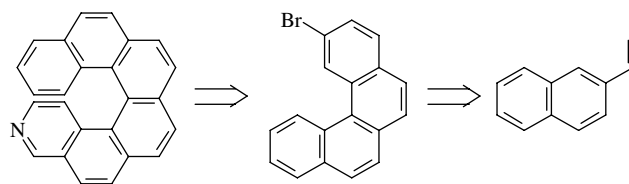
K. Tabatabaeian \*, M. Mamaghani, N. O. Mahmoodi, A. Khorshidi



**Synthesis of a new N-containing hexahelicene**

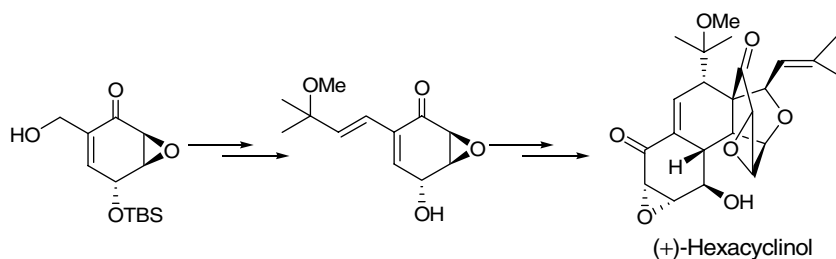
Faouzi Aloui, Riadh El Abed, Béchir Ben Hassine \*

pp 1455–1457

**Enantioselective total synthesis of the novel antiproliferative metabolite (+)-hexacyclinol**

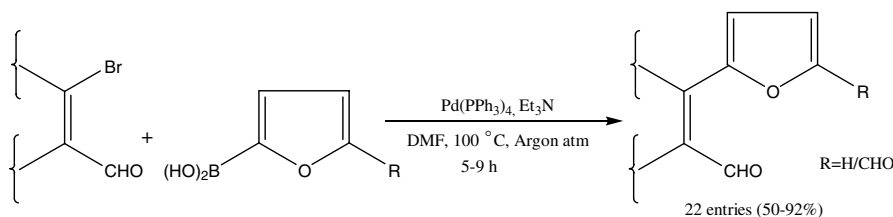
Goverdhan Mehta \*, Subhrangsu Roy

pp 1458–1460

**A generalised route for the synthesis of  $\beta$ -furyl- $\alpha,\beta$ -unsaturated aldehydes through Suzuki reactions**

Khokan Samanta, Gandhi Kumar Kar \*, Achintya Kumar Sarkar \*

pp 1461–1464

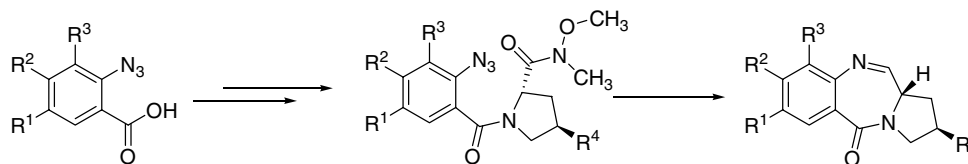


A method for the synthesis of  $\beta$ -(2-furyl)- $\alpha,\beta$ -unsaturated aldehydes is described using the Suzuki coupling reaction of furan-2-boronic acids and  $\beta$ -bromo- $\alpha,\beta$ -unsaturated aldehyde derivatives.

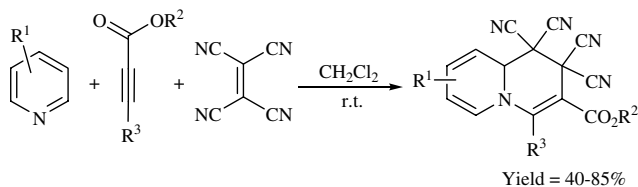
**A facile intramolecular azido/amido reductive cyclization approach: synthesis of pyrrolobenzodiazepines and their dimers**

Ahmed Kamal \*, N. Shankaraiah, N. Markandeya, K. Laxma Reddy, Ch. Sanjeeva Reddy

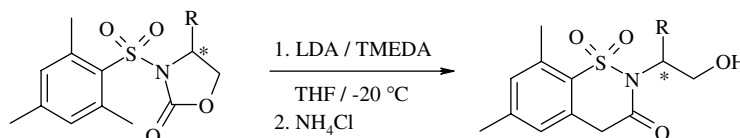
pp 1465–1468



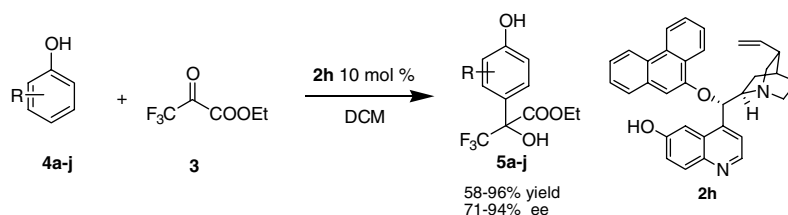
**A novel pyridine-based three-component condensation reaction: synthesis of highly substituted quinolizines** pp 1469–1472  
 Ahmad Shaabani \*, Ali Hossein Rezayan, Afshin Sarvary, Hamid Reza Khavasi



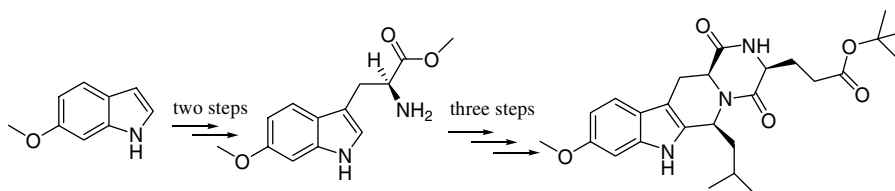
**Efficient synthesis of new chiral 1,2-benzothiazin-3-one 1,1-dioxide derivatives via lateral lithiation of 3-*N*-mesitylenesulfonyl-1,3-oxazolidin-2-ones** pp 1473–1475  
 Ahmed Ould Aliyenne, Jamil Kraïem, Yakdhane Kacem, Béchir Ben Hassine \*



**Organocatalytic enantioselective Friedel–Crafts alkylation of simple phenols with trifluoropyruvate** pp 1476–1479  
 Jun-Ling Zhao, Li Liu \*, Chun-Ling Gu, Dong Wang, Yong-Jun Chen \*



**Synthesis of potent BCRP inhibitor—Ko143** pp 1480–1483  
 Yuexian Li \*, Erik Hayman, Mihaela Plesescu, Shimoga R. Prakash

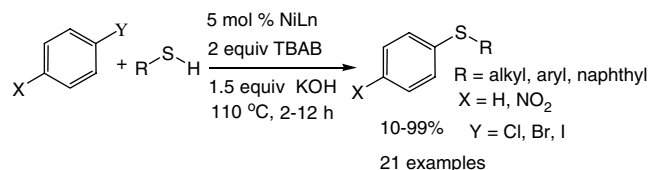


A new protocol for the synthesis of potent BCRP inhibitor—Ko143.

**Efficient ligand-free nickel-catalyzed C–S cross-coupling of thiols with aryl iodides**

pp 1484–1487

Suribabu Jammi, Priyanka Barua, Laxmidhar Rout, Prasenjit Saha, Tharmalingam Punniyamurthy \*

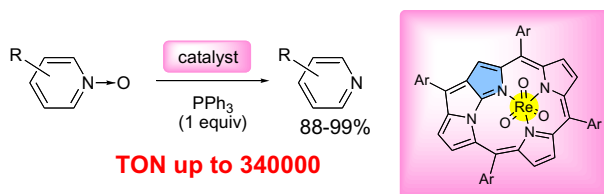


NiCl<sub>2</sub>·6H<sub>2</sub>O has efficiently catalyzed the S-arylation of aromatic and benzyl thiols with aryl iodides in tetrabutylammonium bromide (TBAB) under air.

**Catalytic deoxygenation of pyridine N-oxides with N-fused porphyrin rhenium complexes**

pp 1488–1491

Motoki Toganoh, Keitaro Fujino, Shinya Ikeda, Hiroyuki Furuta \*

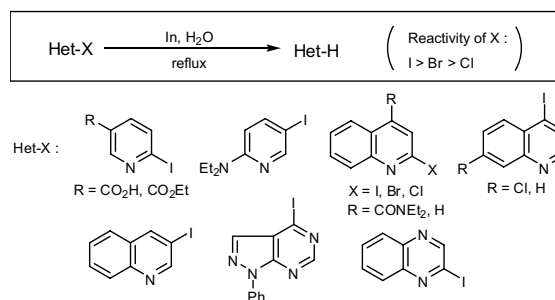


Deoxygenation reactions of pyridine N-oxide derivatives catalyzed by N-fused porphyrin rhenium(VII) trioxo complexes are developed, affording the corresponding pyridine derivatives in quantitative yields with excellent turnover numbers up to 340,000.

**Indium-mediated dehalogenation of haloheteroaromatics in water**

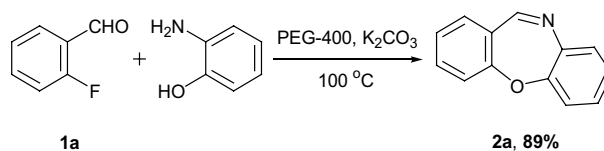
pp 1492–1494

Natsumi Hirasawa, Yukiko Takahashi, Eri Fukuda, Osamu Sugimoto \*, Ken-ichi Tanji \*

**Poly(ethylene glycol) (PEG) as an efficient and recyclable reaction medium for the synthesis of dibenz[b,f]-1,4-oxazepine**

pp 1495–1497

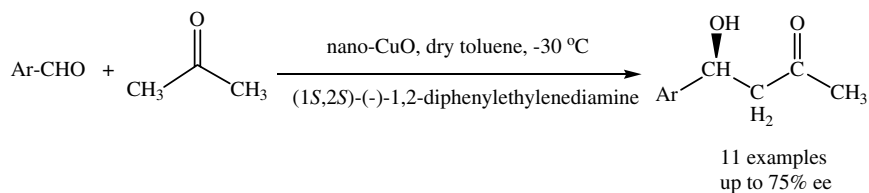
Yogesh R. Jorapur \*, Gurusamy Rajagopal, Prakash J. Saikia, Ravindra R. Pal



**Direct asymmetric aldol reactions catalyzed by nanocrystalline copper(II) oxide**

pp 1498–1501

M. Lakshmi Kantam \*, Thekkathu Ramani, Lakkoju Chakrapani, K. Vijay Kumar

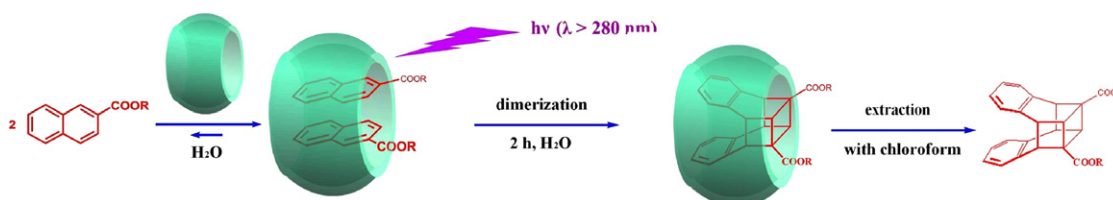


The direct asymmetric aldol reactions of aromatic aldehydes with acetone to afford chiral  $\beta$ -hydroxy carbonyl compounds is realized using nanocrystalline copper(II) oxide in the presence of (1*S*,2*S*)-(-)-1,2-diphenylethylenediamine.

**Cucurbit[8]uril-mediated photodimerization of alkyl 2-naphthoate in aqueous solution**

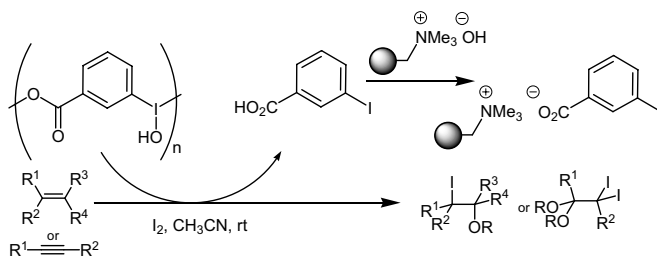
pp 1502–1505

Lei Lei, Lin Luo, Xiao-Ling Wu, Gui-Hong Liao, Li-Zhu Wu \*, Chen-Ho Tung

***m*-Iodosylbenzoic acid, a tagged hypervalent iodine reagent for the iodo-functionalization of alkenes and alkynes**

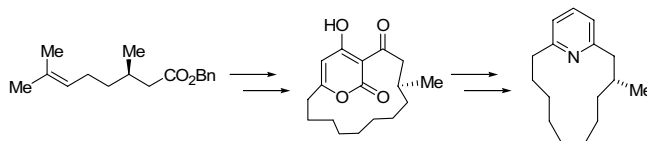
pp 1506–1509

Mekhman S. Yusubov \*, Roza Ya. Yusubova, Andreas Kirschning \*, Joo Yeon Park, Ki-Whan Chi \*

**A highly efficient total synthesis of (*R*)-(+)-muscovyridine by intramolecular [4+2] cycloaddition of bisketene**

pp 1510–1513

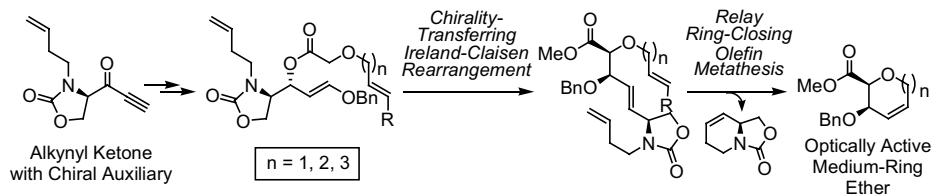
Kie Suwa \*, Yasuko Morie, Yumiko Suzuki, Kiyoshi Ikeda, Masayuki Sato \*



**Concise stereoselective synthesis of *cis*-3-alkoxy-2-carbomethoxy medium-ring oxacycles from (*R*)-3-(3-butenyl)-4-propynyloxazolidin-2-one**

pp 1514–1517

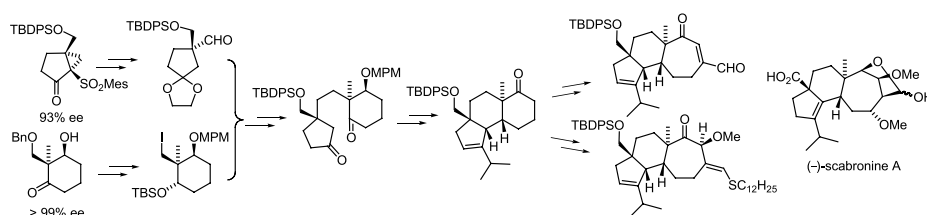
Daisuke Sato, Kenshu Fujiwara \*, Hidetoshi Kawai, Takanori Suzuki



**Synthetic studies on (–)-scabronine A**

pp 1518–1522

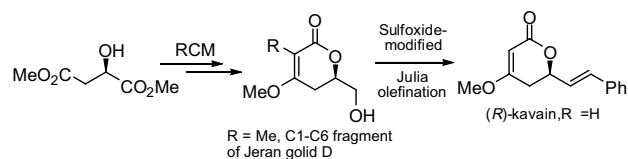
Hideaki Watanabe, Masahisa Nakada \*



**Metathesis-based synthesis of 3-methoxy α,β-unsaturated lactones: total synthesis of (*R*)-kavain and of the C1–C6 fragment of jerangolid D**

pp 1523–1526

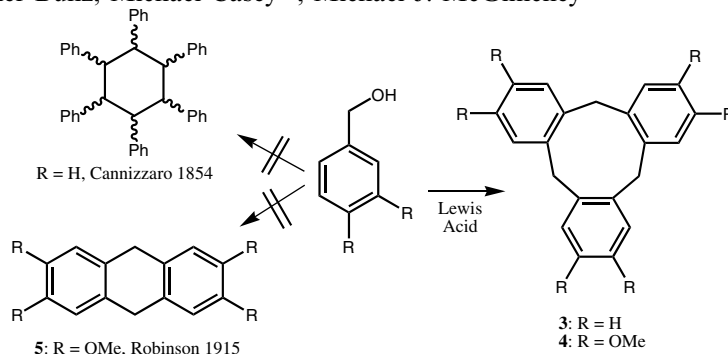
Jiří Pospíšil, István E. Markó \*



**Cannizzaro's (C<sub>7</sub>H<sub>6</sub>)<sub>n</sub> conundrum resolved: [1.1.1]orthocyclophane was first made 150 years ago**

pp 1527–1530

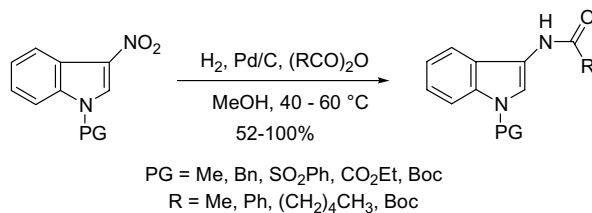
John P. Grealis, Helge Müller-Bunz, Michael Casey \*, Michael J. McGlinchey \*



**Efficient reductive acylation of 3-nitroindoles**

pp 1531–1533

Sujata Roy, Sudipta Roy, Gordon W. Gribble \*

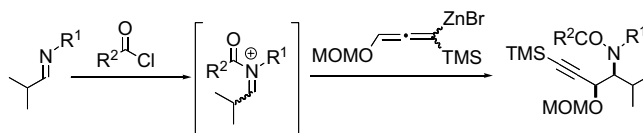


3-Nitroindoles are reductively acylated under catalytic hydrogenation conditions in the presence of carboxylic acid anhydrides to afford the corresponding N-acylated aminoindoles.

**Addition of a 3-alkoxy allenylzinc to N-acyliminium ions: new entry to propargyl *syn*-1,2-aminoalcohol units**

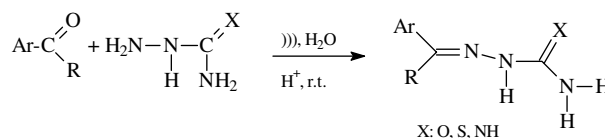
pp 1534–1537

Brindaban Roy, Alejandro Pérez-Luna, Franck Ferreira, Candice Botuha, Fabrice Chemla \*

**Synthesis of aryl-hydrazones via ultrasound irradiation in aqueous medium**

pp 1538–1541

Ana Cristina Lima Leite \*, Diogo Rodrigo de M. Moreira, Lucas Cunha Duarte Coelho, Frederico Duarte de Menezes, Dalci José Brondani \*

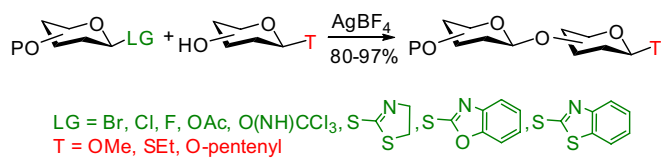


Using an aqueous medium (acid conditions) under ultrasound irradiation, aldehydes/ketones and hydrazides to provide good to excellent yields of the corresponding aromatic hydrazones and diastereoselectivities.

**Silver(I) tetrafluoroborate as a potent promoter for chemical glycosylation**

pp 1542–1545

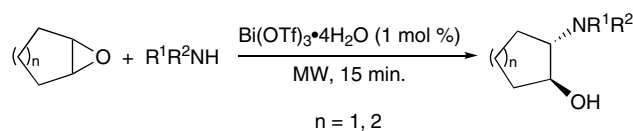
Sophon Kaeothip, Papapida Pornsuriyasak, Alexei V. Demchenko \*



**Microwave-enhanced bismuth triflate-catalyzed epoxide opening with aliphatic amines**

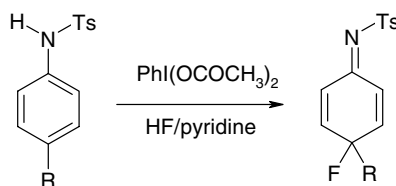
pp 1546–1550

Thierry Ollevier \*, Etienne Nadeau

**Access to new 4-fluorocyclohexa-2,5-dienimines using hypervalent iodine and pyridinium polyhydrogen fluoride**

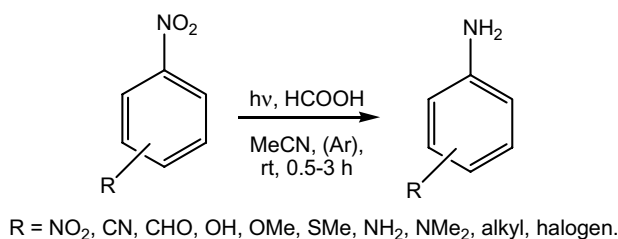
pp 1551–1554

Lynda Basset, Agnès Martin-Mingot, Marie-Paule Jouannetaud \*, Jean-Claude Jacquesy

**Photoreduction of nitro arenes by formic acid in acetonitrile at room temperature**

pp 1555–1558

Ariel Cors, Sergio M. Bonesi \*, Rosa Erra-Balsells



\*Corresponding author

Supplementary data available via ScienceDirect

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