

Tetrahedron Letters Vol. 51, No. 15, 2010

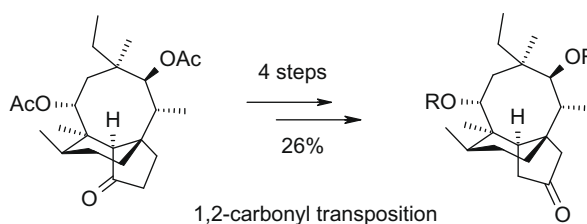
Contents

COMMUNICATIONS

A novel method for the 1,2-carbonyl transposition of pleuromutilins

pp 1937–1938

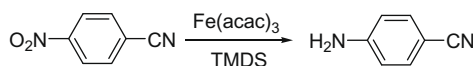
Céline Duquenne, Timothy F. Gallagher, Jeffrey M. Axten*



Iron-catalyzed selective reduction of nitro compounds to amines

pp 1939–1941

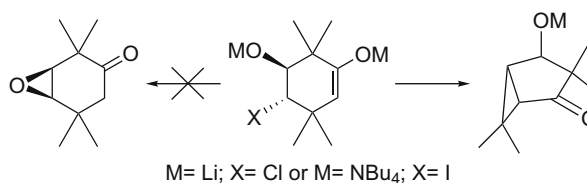
Leyla Pehlivan, Estelle Métay, Stéphane Laval, Wissam Dayoub, Patrice Demonchaux, Gérard Mignani, Marc Lemaire*



Competing cyclopropane over epoxide formation from γ -halogeno- δ -hydroxy-ketones

pp 1942–1944

Alain Krief*, Adrian Kremer

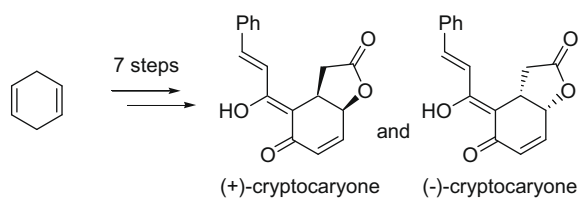


Carbocyclization has been selectively achieved over epoxide formation from a γ -chloro- δ -hydroxy-ketone using LiTMP as the base. This allows the efficient synthesis of (1*S*)-*cis*-chrysanthemic acid precursor of (1*R*)-*trans*-chrysanthemic acid whose related esters are the most useful natural (Pyrethrin I) and unnatural ((*S*)-bioallethrin) domestic insecticides.

The first asymmetric total syntheses of both enantiomers of cryptocaryone

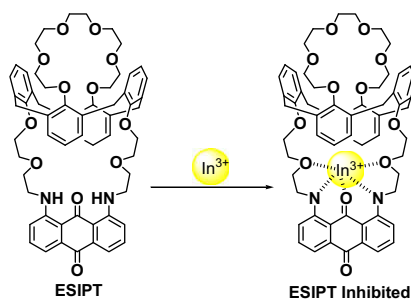
pp 1945–1946

Hiromichi Fujioka*, Kenji Nakahara, Tomohiro Oki, Kie Hirano, Tatsuya Hayashi, Yasuyuki Kita

**ESIPT-based anthraquinonylcalix[4]crown chemosensor for In³⁺**

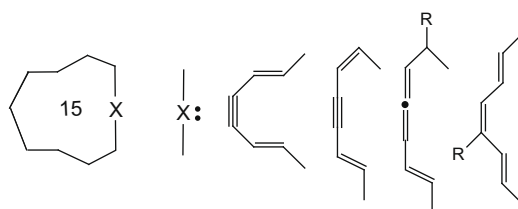
pp 1947–1951

Do Young Han, Jun Myung Kim, Jooheon Kim*, Hyo Sung Jung, Young Hoon Lee, Jun Feng Zhang, Jong Seung Kim*

**Preparation and reactivity of macrocyclic dienynes**

pp 1952–1954

Herbert Meier*, Hans-Joachim Bissinger, Anita Vierengel

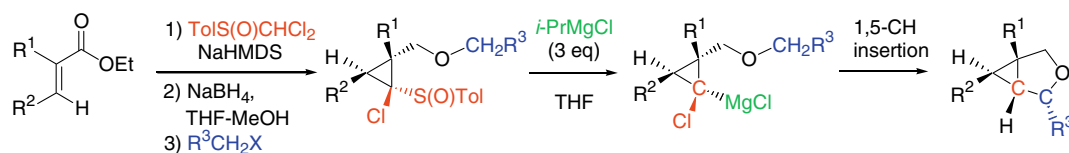


Synthesis of 15-membered carbocyclic rings with highly unsaturated functionalities.

A short synthesis of 3-oxa- and 3-azabicyclo[3.1.0]hexanes from α,β -unsaturated esters based on the 1,5-CH insertion reaction of cyclopropylmagnesium carbenoids

pp 1955–1959

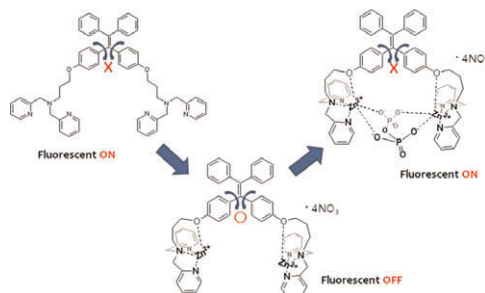
Tsuyoshi Satoh*, Shotaro Ikeda, Toshifumi Miyagawa, Takafumi Noguchi



A new fluorescent sensor for the detection of pyrophosphate based on a tetraphenylethylene moiety

pp 1960–1962

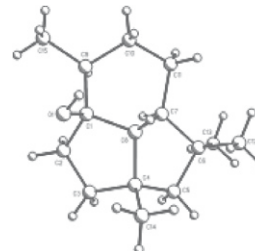
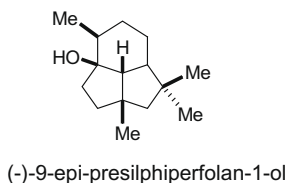
Chuneung Park, Jong-In Hong*

**Structure reassignment and absolute configuration of 9-*epi*-presilphiperfolan-1-ol**

pp 1963–1965

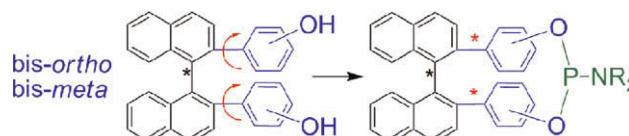
Pedro Joseph-Nathan*, Suzana Guimarães Leitão, Shaft Corrêa Pinto, Gilda Guimarães Leitão, Humberto Ribeiro Bizzo, Fabio Luiz Paranhos Costa, Mauro Barbosa de Amorim, Natalia Martinez, Eduardo Dellacassa, Angelina Hernández-Barragán, Nury Pérez-Hernández

Experimental

**Bisphenylene homologues of BINOL-based phosphoramidites: synthesis, stereostructure, and application in catalysis**

pp 1966–1970

Natalia Miklášová, Ondřej Julínek, Michaela Mešková, Vladimír Setnička, Marie Urbanová, Martin Putala*

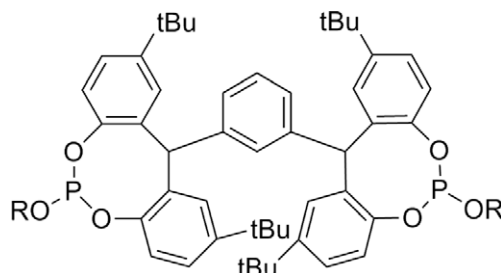


New phosphoramidites were formed as single diastereomers from atropisomeric bisphenylene homologues of BINOL. The predicted configurations of the phosphoramidites were confirmed by vibrational circular dichroism (VCD). The ligands were tested in copper-catalyzed conjugate additions.

**Tetraphenol-based diphosphite ligands: synthesis, characterization, and application in the rhodium-catalyzed hydroformylation of octenes**

pp 1971–1975

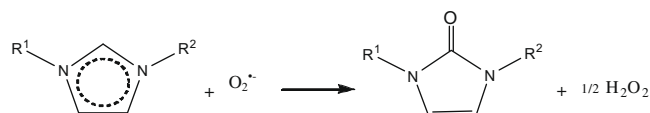
Michèle Janssen, Laura Bini, Bart Hamers, Christian Müller, Dieter Hess, Andrea Christiansen, Robert Franke, Dieter Vogt*



A novel method for the synthesis of 2-imidazolones

pp 1976–1978

Inas M. AlNashef*, Mohd A. Hashim, Farouq S. Mjalli, Mohammad Q. Al-haj Ali, Maan Hayyan

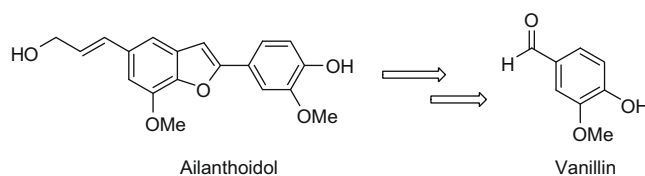


The superoxide ion electrochemically generated by reduction of oxygen, or chemically generated by dissolving potassium superoxide in ionic liquids, reacts with alkyl imidazolium cations of imidazolium-based ionic liquids at room temperature and atmospheric pressure to give the corresponding 2-imidazolones in excellent yields.

**An expeditious and convergent synthesis of ailanthoidol**

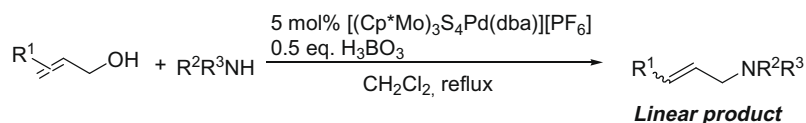
pp 1979–1981

Maddali L. N. Rao*, Dheeraj K. Awasthi, Debasis Banerjee

**Highly efficient and regioselective allylic amination of allylic alcohols catalyzed by [Mo₃PdS₄] cluster**

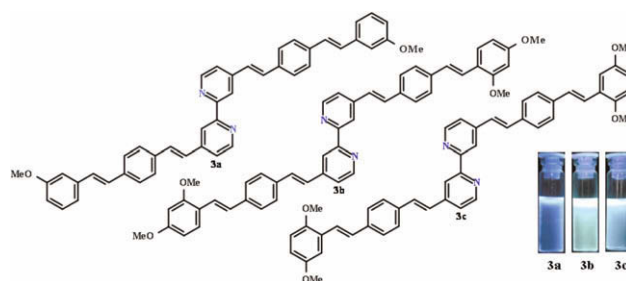
pp 1982–1984

Yinsong Tao, Yuhan Zhou, Jingping Qu*, Masanobu Hidai

**Synthesis and photo-physical properties of methoxy-substituted π -conjugated-2,2'-bipyridines**

pp 1985–1988

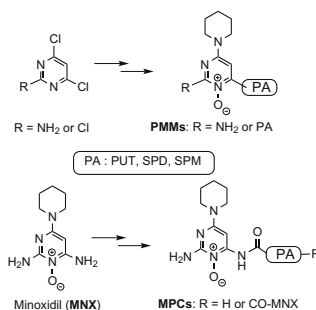
Tanmay Chatterjee, Monima Sarma, Samar K. Das*



Synthetic studies toward the development of novel minoxidil analogs and conjugates with polyamines

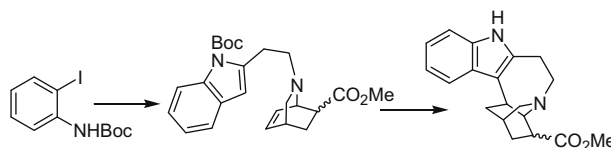
pp 1989–1993

George E. Magoulas, Stavros E. Bariamis, Constantinos M. Athanassopoulos, Dionissios Papaioannou*

**A concise route to iboga-analogues via the formation of suitably substituted-2-indoles**

pp 1994–1996

Goutam Kumar Jana, Surajit Sinha*

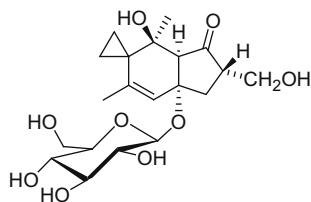


Synthesis of 2-substituted indoles via Sonogashira coupling, suitable for conversion to 'iboga analogues' using Trost methodology.

**Ptesculentoside, a novel norsesquiterpene glucoside from the Australian bracken fern *Pteridium esculentum***

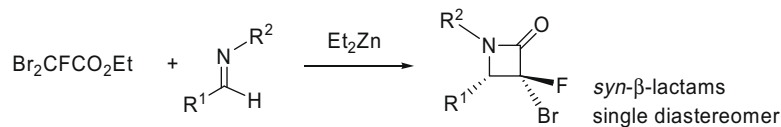
pp 1997–1999

Mary T. Fletcher*, Patrica Y. Hayes, Michael J. Somerville, James J. De Voss

**Simple, chemoselective, and diastereoselective Reformatsky-type synthesis of α -bromo- α -fluoro- β -lactams**

pp 2000–2003

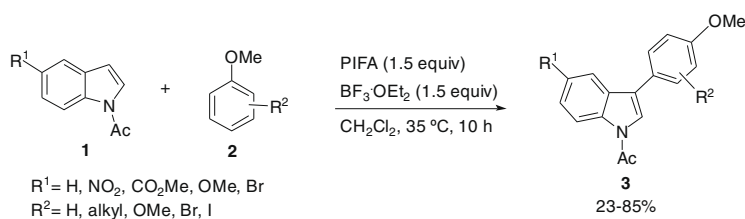
Atsushi Tarui, Naoto Kawashima, Kazuyuki Sato, Masaaki Omote, Yoshihisa Miwa, Hideki Minami, Akira Ando*



Direct C-3 arylation of *N*-acetylindoles with anisoles using phenyliodine bis(trifluoroacetate) (PIFA)

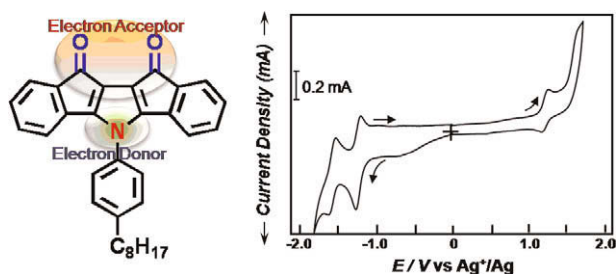
pp 2004–2006

Yonghong Gu*, Dawei Wang

**Pyrrole-cored push–pull single chromophore**

pp 2007–2009

Changduk Yang

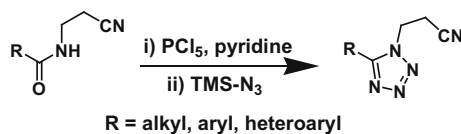


A pyrrole-based building material with diketone bridge as push-pull-type single chromophore is successfully prepared, which exhibits fully reversible p- and n-doping.

**A mild and general one-pot preparation of cyanoethyl-protected tetrazoles**

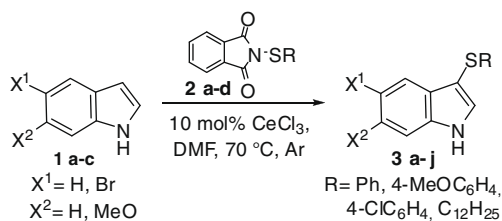
pp 2010–2013

Lawrence J. Kennedy

**The use of anhydrous CeCl_3 as a catalyst for the synthesis of 3-sulfenyl indoles**

pp 2014–2016

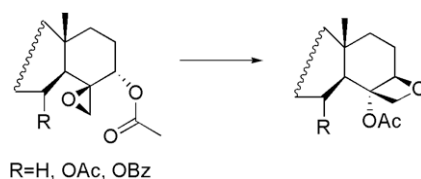
Claudio C. Silveira*, Samuel R. Mendes, Lucas Wolf, Guilherme M. Martins



Synthesis and in vitro evaluation of taxol oxetane ring D precursors

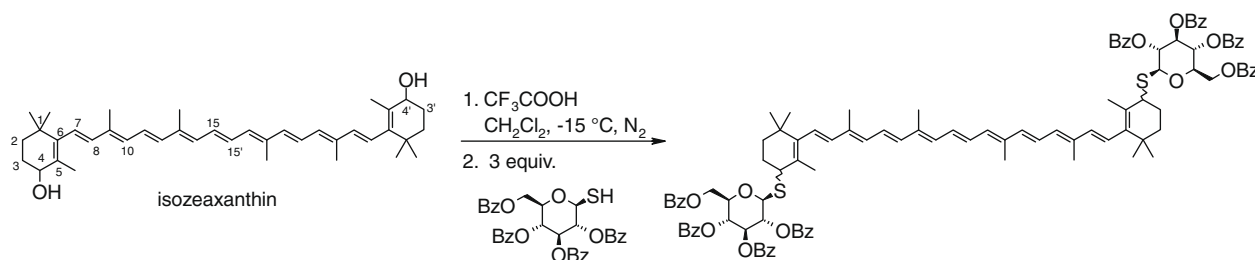
pp 2017–2019

Rüdiger Kaspera*, Jonathan L. Cape, Juan A. Faraldos, Raymond E. B. Ketchum, Rodney B. Croteau

**Experiments on the synthesis of carotenoid glycosides**

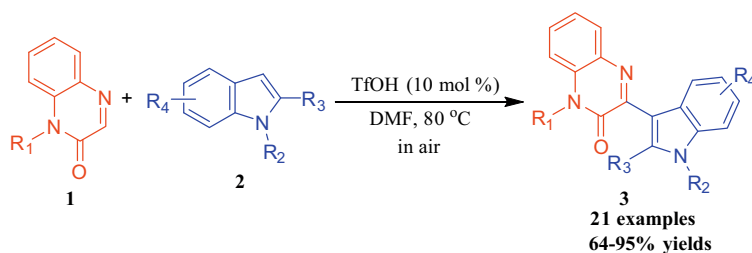
pp 2020–2022

Veronika Nagy*, Attila Agócs, Erika Turcsi, József Deli

**An efficient synthesis of 3-(indol-3-yl)quinoxalin-2-ones with TfOH-catalyzed Friedel–Crafts type coupling reaction in air**

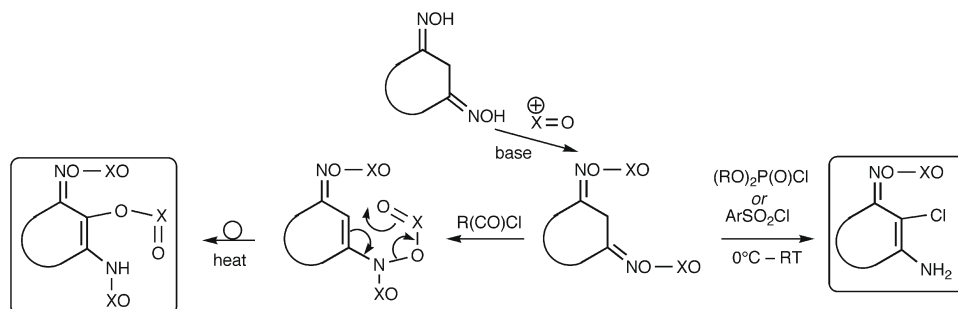
pp 2023–2028

Yan-Yan Han, Zhi-Jun Wu, Xiao-Mei Zhang, Wei-Cheng Yuan*

**Functional desymmetrization of 1,3-dioximes for the obtention of 1,2,3-hetero trisubstituted carbocycles**

pp 2029–2031

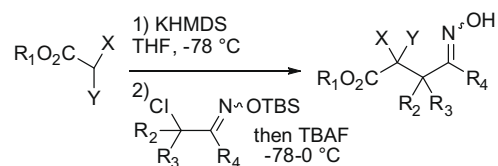
Valdemar B. C. Figueira, Arantxa G. Esqué, Ravi Varala, Concepción González-Bello, Sundaresan Prabhakar*, Ana M. Lobo*



Efficient methodology for alkylation of vinylnitroso compounds with carbon nucleophiles

pp 2032–2035

Puhui Li, Max M. Majireck, Jason A. Witek, Steven M. Weinreb*

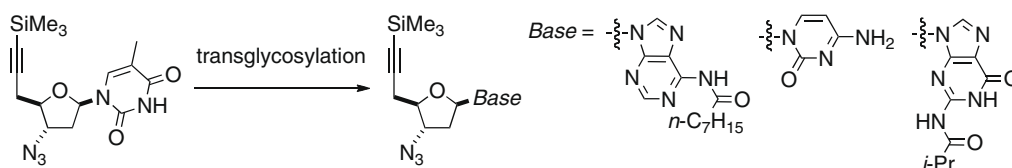


A diverse array of nitrosoalkenes derived from both acyclic and cyclic ketones, as well as aldehydes, via the Denmark protocol using α -chloro-O-TBS-oximes can be trapped efficiently in situ by a wide variety of potassium ester enolates to afford conjugate addition products in good yields.

Synthesis and structures of deoxyribonucleoside analogues for triazole-linked DNA (T^L DNA)

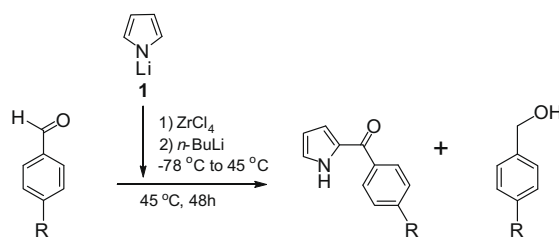
pp 2036–2038

Tomoko Fujino, Nobuhide Tsunaka, Marine Guillot-Nieckowski, Waka Nakanishi, Takeaki Iwamoto, Eiichi Nakamura, Hiroyuki Isobe*

**A novel one-pot synthesis of 2-benzoylpyrroles from benzaldehydes**

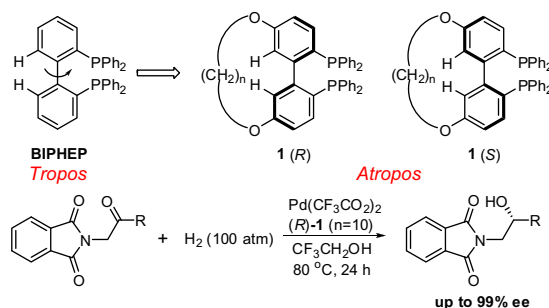
pp 2039–2043

Ratnesh Sharma, Mangilal Chouhan, Vipin A. Nair*

**From tropos to atropos: 5,5'-bridged 2,2'-bis(diphenylphosphino)biphenyls as chiral ligands for highly enantioselective palladium-catalyzed hydrogenation of α -phthalimide ketones**

pp 2044–2047

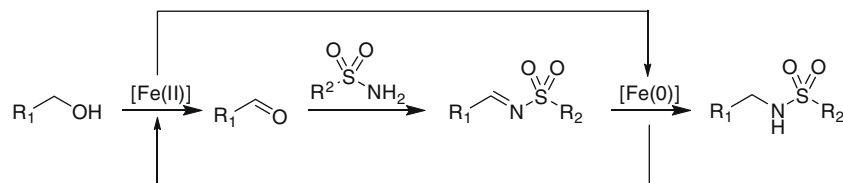
Changqing Wang, Guoqiang Yang, Jing Zhuang, Wanbin Zhang*



Fe(II)-catalyzed N-alkylation of sulfonamides with benzylic alcohols

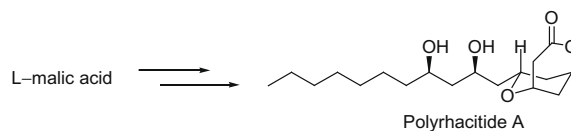
pp 2048–2051

Xinjiang Cui, Feng Shi*, Yan Zhang, Youquan Deng*

**Stereoselective total synthesis of polyrhacitide A**

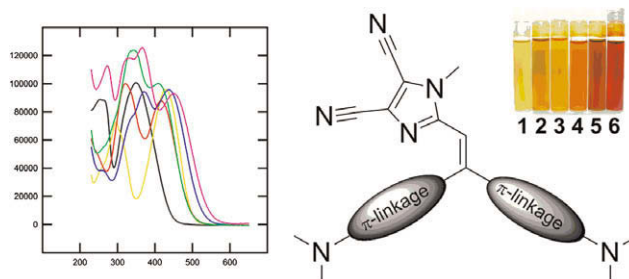
pp 2052–2054

Subhash Ghosh*, Ch. Nageswara Rao

**Branched charge-transfer chromophores featuring a 4,5-dicyanoimidazole unit**

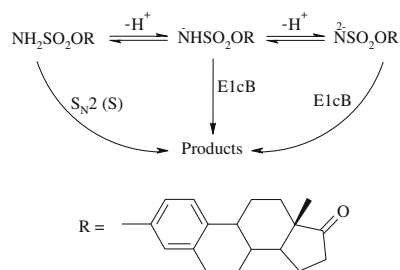
pp 2055–2058

Filip Bureš*, Jiří Kulháněk, Tomáš Mikysek, Jiří Ludvík, Ján Lokaj

**Mechanism of the hydrolysis of the sulfamate EMATE—an irreversible steroid sulfatase inhibitor**

pp 2059–2062

William J. Spillane*, Jean-Baptiste Malaubier



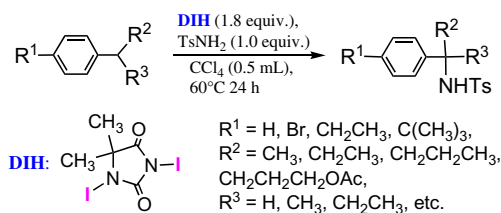
Two hydrolysis pathways for the biologically-important sulfamate ester EMATE have been established.



Sulfonylamidation of alkylbenzenes at benzylic position with *p*-toluenesulfonamide and 1,3-diiodo-5,5-dimethylhydantoin

pp 2063–2066

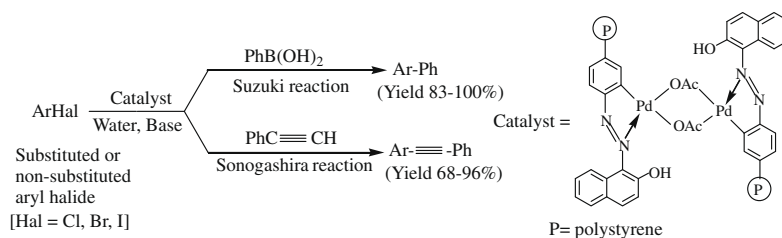
Haruka Baba, Hideo Togo*



Heterogeneous Suzuki and copper-free Sonogashira cross-coupling reactions catalyzed by a reusable palladium(II) complex in water medium

pp 2067–2070

S. M. Islam*, Paramita Mondal, Anupam Singha Roy, Sanchita Mondal, Dilder Hossain



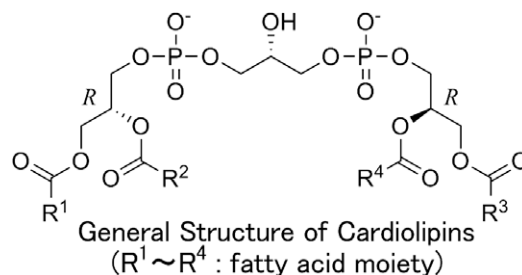
An efficient heterogeneous Pd(II) azo complex catalyst for Suzuki and Sonogashira cross-coupling reaction has been developed. The catalyst showed an excellent activity for these reactions in water medium under aerial conditions.



Concise procedure for the synthesis of cardiolipins having different fatty acid combinations

pp 2071–2073

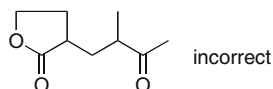
Masato Abe, Shigeki Kitsuda, Shunji Ohyama, Shinya Koubori, Masatoshi Murai, Hideto Miyoshi*



Synthesis of a proposed structure for the diffusible extracellular factor of *Xanthomonas campestris* pv. *campestris*


pp 2074–2077

Arata Yajima*, Nagisa Imai, Alan R. Poplawsky, Tomoo Nukada, Goro Yabuta



Proposed structure for diffusible extracellular factor
of *Xanthomonas campestris* pv. *campestris*

*Corresponding author

 Supplementary data available via ScienceDirect

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