

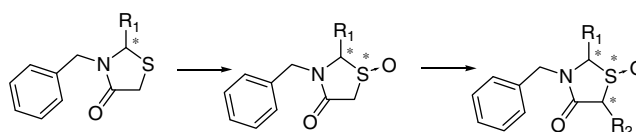
Contents

COMMUNICATIONS

Stereomeric studies on the oxidation and alkylation of 4-thiazolidinones

pp 1569–1572

Aina Colombo, Joan Carles Fernàndez, Dolors Fernández-Forner, Natalia de la Figuera, Fernando Albericio *, Pilar Forns *

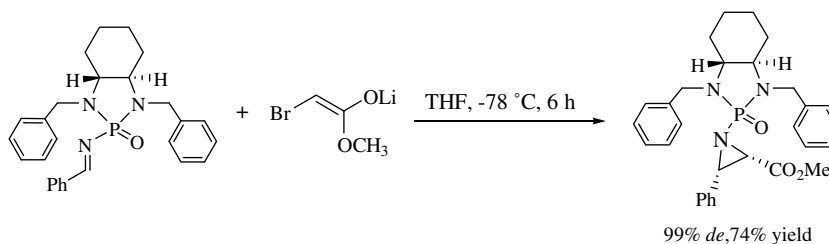


Diastereoselectivity in the oxidation of different 4-thiazolidinones was discussed. Alkylation of these compounds with benzyl bromide was also studied. The stereoselectivity obtained was interpreted by the presence of the sulfoxide.

Chiral *N*-phosphonyl imine chemistry: new reagents and their applications for asymmetric reactions

pp 1573–1577

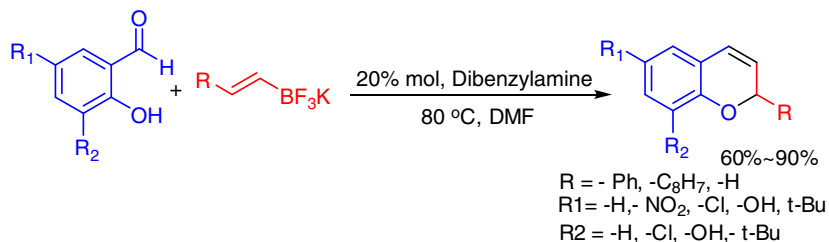
Adishesu Kattuboina, Guigen Li *



Synthesis of 2-substituted 2*H*-chromenes using potassium vinyltrifluoroborates

pp 1578–1581

Fei Liu, Todd Evans, Bhaskar C. Das *

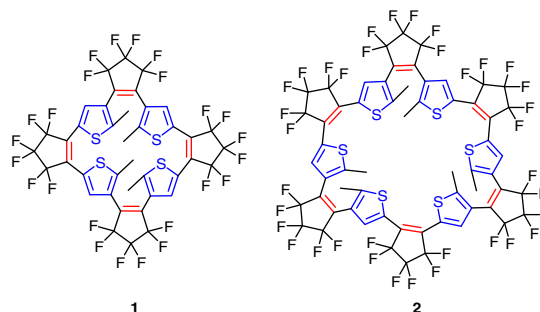


Novel photochromic macrocycles composed of thiophene and ethylene building blocks: synthesis, structure, and photochromic property

pp 1582–1585

Jun Yin, Yan Lin, Xiufang Cao, Guang-Ao Yu, Sheng Hua Liu *

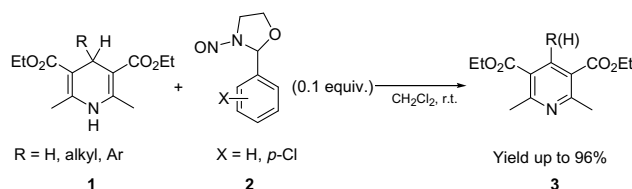
Two novel photochromic macrocycles composed of thiophene and ethylene building blocks have been synthesized, and their crystal structure and photochromic properties are described. Macrocycle **2** shows good photochromic properties.



N-Nitroso-2-aryl-1,3-oxazolidines catalyzed aromatization of Hantzsch 1,4-dihydropyridines

pp 1586–1588

Li-jun Peng, Jian-tao Wang, Zhou Lu, Zhong-quan Liu, Long-min Wu *

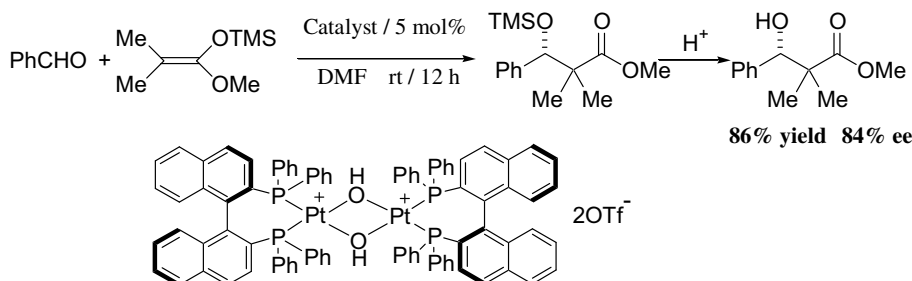


A catalytic amount of *N*-nitroso-2-aryl-1,3-oxazolidines leading to the aromatization of Hantzsch 1,4-dihydropyridines (DHPs) was successfully achieved. A catalytic mechanism for the reaction is proposed.

(μ -Hydroxo)-platinum complex-catalyzed enantioselective aldol reaction of aldehydes with 1-methoxy-2-methyl-1-(trimethylsilyloxy)propene in DMF

pp 1589–1592

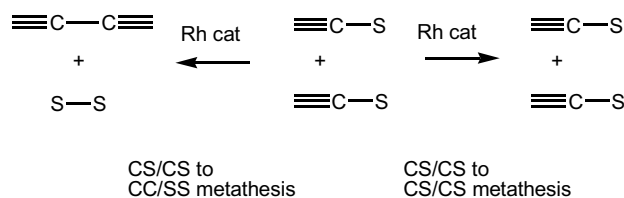
Syun-ichi Kiyooka *, Satoshi Matsumoto, Masafumi Kojima, Kazuyuki Sakonaka, Hirofumi Maeda



Two types of rhodium-catalyzed CS/CS metathesis reactions: formation of CS/CS bonds and CC/SS bonds

pp 1593–1597

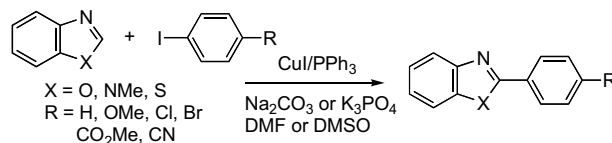
Mieko Arisawa, Yoko Tagami, Masahiko Yamaguchi *



Copper-mediated direct arylation of benzoazoles with aryl iodides

pp 1598–1600

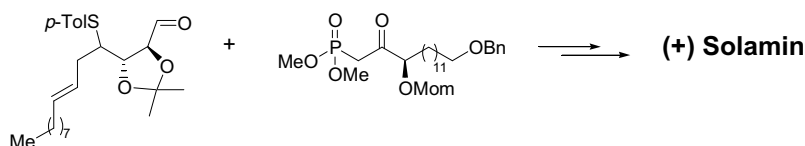
Tomoki Yoshizumi, Hayato Tsurugi, Tetsuya Satoh, Masahiro Miura *



A formal convergent synthesis of (+)-*trans*-solamin

pp 1601–1604

Sadagopan Raghavan *, S. Ganapathy Subramanian, K. A. Tony

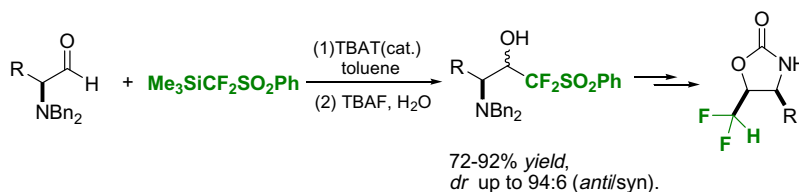


A modular formal synthesis of (+)-solamin is disclosed.

Stereoselective synthesis of α -difluoromethyl- β -amino alcohols via nucleophilic difluoromethylation with $Me_3SiCF_2SO_2Ph$

pp 1605–1608

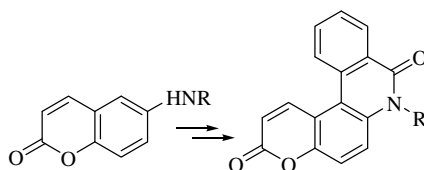
Jun Liu, Chuanfa Ni, Fang Wang, Jinbo Hu *



New Heck coupling strategies for the arylation of secondary and tertiary amides via palladium-catalyzed intramolecular cyclization

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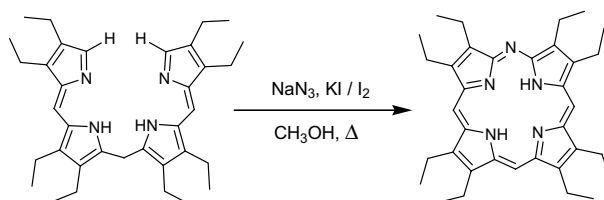
K. C. Majumdar *, Buddhadeb Chattopadhyay, Sanjay Nath



A concise synthesis of monoazaporphyrin from 1,19-dideoxybiladiene-*ac*

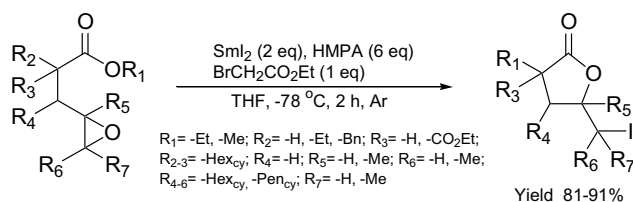
pp 1613–1615

Saburo Neya *, Takuya Sato, Tyuji Hoshino

A novel and concise route from 1,19-dideoxybiladiene-*ac* to monoazaporphyrin was developed.A novel synthesis of γ -lactones by tandem epoxide opening-cyclization reaction mediated by samarium(II) diiodide

pp 1616–1618

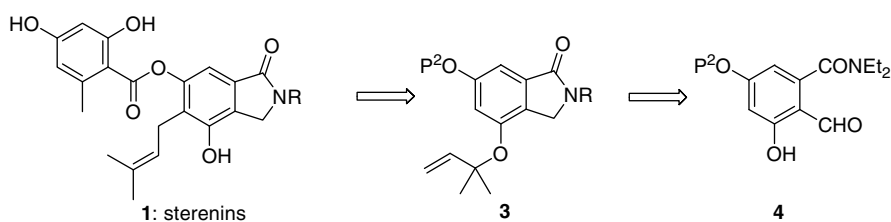
Heui Sul Park, Doo Won Kwon, Kieseung Lee, Yong Hae Kim *



First total synthesis of sterenins A, C and D

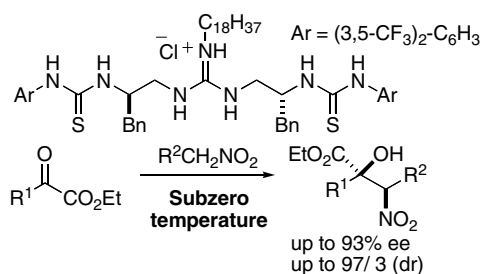
pp 1619–1622

Tsuyoshi Shinozuka *, Yuko Yamamoto, Toru Hasegawa, Keiji Saito, Satoru Naito

Asymmetric organocatalytic nitroaldol reaction of α -ketoesters: stereoselective construction of chiral tertiary alcohols at subzero temperature

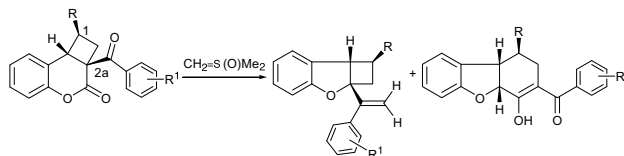
pp 1623–1626

Keisuke Takada, Nobuko Takemura, Kaori Cho, Yoshihiro Sohtome *, Kazuo Nagasawa *



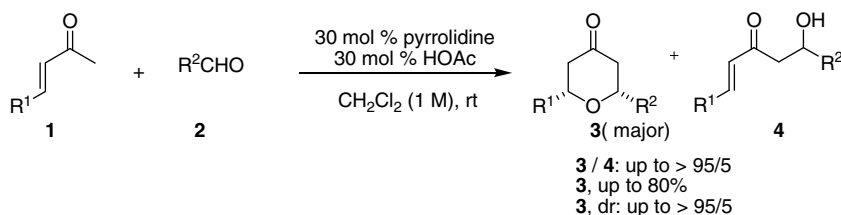
A novel transformation of 1-*exo*-substituted 2a-aryl-1,2,2a,8b-tetrahydro-3H-benzo[*b*]cyclobuta[*d*]pyran-3-ones with sulfoxonium ylide to highly strained 2a-(1-arylethenyl)-1,2,2a,7b-tetrahydrocyclobuta[*b*]benzofurans pp 1627–1630

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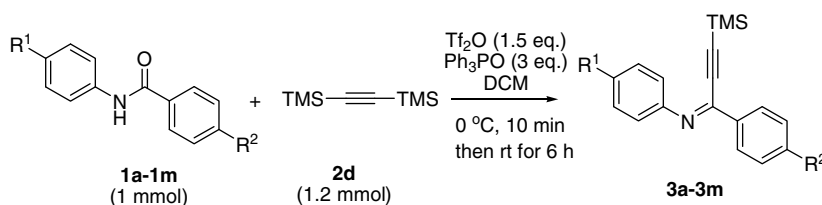
Highly chemo- and diastereoselective synthesis of substituted tetrahydropyran-4-ones via organocatalytic oxa-Diels–Alder reactions of acyclic α,β -unsaturated ketones with aldehydes pp 1631–1635

Liang-Qiu Lu, Xiao-Ning Xing, Xu-Fan Wang, Zhi-Hui Ming, Hong-Mei Wang, Wen-Jing Xiao *



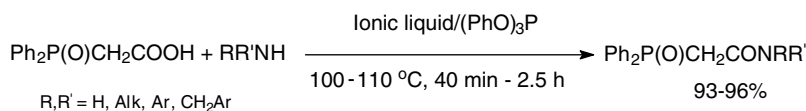
Metal-free synthesis of alkynyl imines using an oxophosphonium-mediated approach at ambient temperatures pp 1636–1640

Qing-Li Dong, Guan-Sai Liu, Hai-Bin Zhou, Lin Chen *, Zhu-Jun Yao *



A novel facile synthesis of carbamoylmethylphosphine oxides in ionic liquids pp 1641–1644

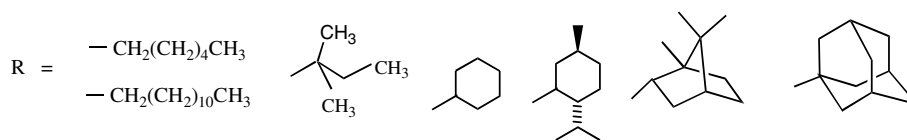
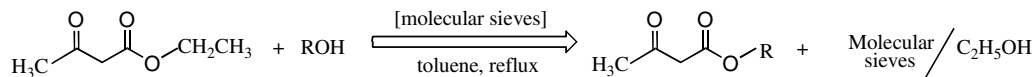
Elena V. Sharova, Oleg I. Artyushin, Alexander S. Shaplov, Galina V. Myasoedova, Irina L. Odinets *



Efficient transesterification of ethyl acetoacetate with higher alcohols without catalysts

pp 1645–1647

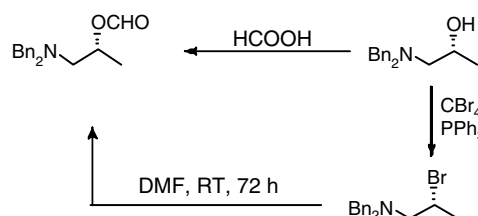
L. I. Koval *, V. I. Dzyuba, O. L. Ilnitska, V. I. Pekhnyo

**Formate ester synthesis via reaction of 2-bromoethylamines with dimethylformamide**

pp 1648–1651

Marianna Dakanali, George K. Tsikalas, Harald Krautscheid, Haralambos E. Katerinopoulos *

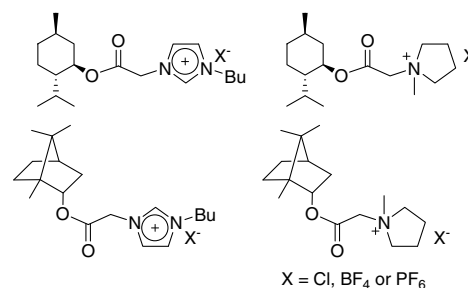
2-Bromoethylamines are converted to the corresponding formate esters in the presence of DMF. Both primary and secondary bromides are smoothly transformed to the esters in satisfactory yields. Participation of the β-amino group appears to control not only the regioselectivity but also the stereoselectivity of the reaction. Application of the reaction conditions to chiral substrates indicated that non-rearranged products are formed with retention of configuration at the reacting center.

**Synthesis of new chiral ionic liquids based on (–)-menthol and (–)-borneol**

pp 1652–1655

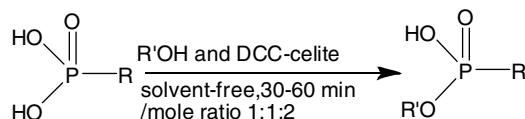
Ricardo Alexandre F. Matos, Carlos Kleber Z. Andrade *

New chiral ionic liquids (CILs) based on (–)-menthol and (–)-borneol were designed and synthesized in very good yields using a simple and efficient 3-step strategy. The properties and characterization of these compounds are discussed.

**DCC–Celite hybrid immobilized solid support as a new, highly efficient reagent for the synthesis of O-alkyl hydrogen alkylphosphonates under solvent-free conditions**

pp 1656–1659

A. K. Gupta, Rajesh Kumar, H. K. Gupta, Vijay Tak, D. K. Dubey *

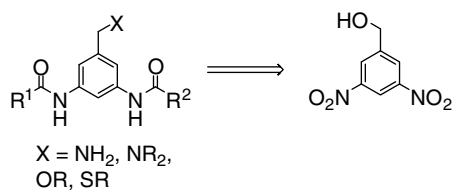


An efficient and solvent-free synthesis of O-alkyl hydrogen alkyl phosphonates is described.

Synthesis of non-symmetrical 3,5-diamidobenzyl amines, ethers and sulfides

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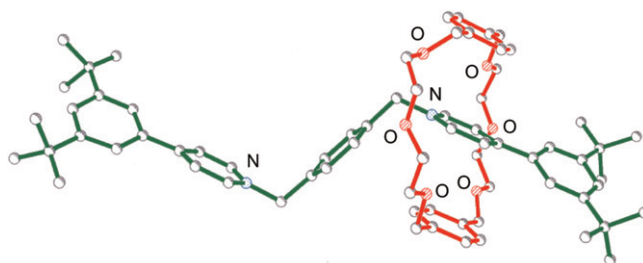
David Barker *, Anna L. Lehmann, Anna Mai, Gul S. Khan, Eric Ng



Bis-*p*-xylyl[26]crown-6/pyridinium ion recognition: one-pot synthesis of molecular shuttles

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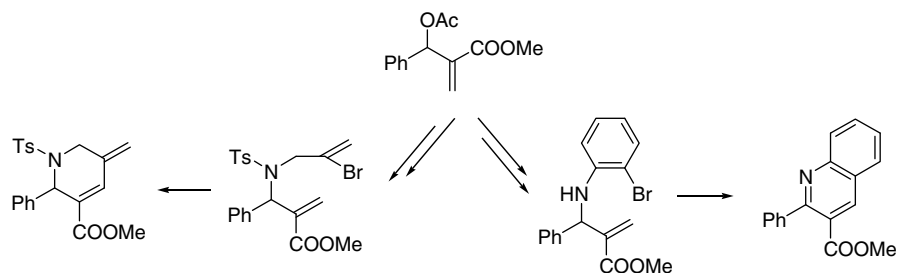
Yi-Lin Huang, Chi-Feng Lin, Pin-Nan Cheng, Chien-Chen Lai, Yi-Hung Liu, Shie-Ming Peng, Sheng-Hsien Chiu *



Pd-mediated synthesis of 2-arylquinolines and tetrahydropyridines from modified Baylis–Hillman adducts

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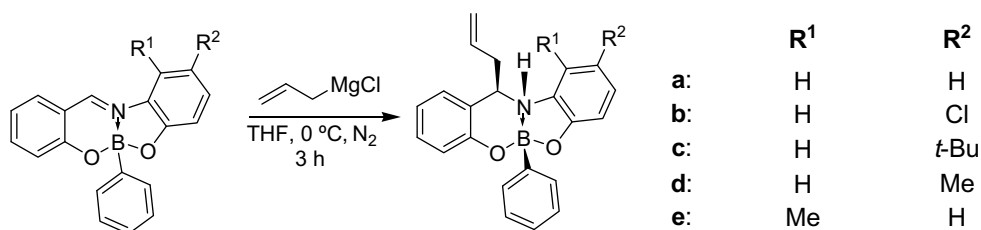
Saravanan Gowrisankar, Hyun Seung Lee, Jeong Mi Kim, Jae Nyoung Kim *



Stereoselective addition of allylmagnesium chloride to the C=N bond of [4.3.0] boron heterobicycles

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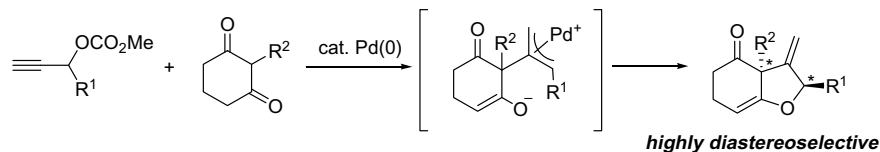
Heraclio López-Ruiz *, Iván Mera-Moreno, Susana Rojas-Lima, Rosa Santillán, Norberto Farfán



Highly diastereoselective synthesis of tetrahydrobenzofuranones by palladium-catalyzed reaction of propargylic carbonates with 2-substituted cyclohexane-1,3-diones

pp 1678–1681

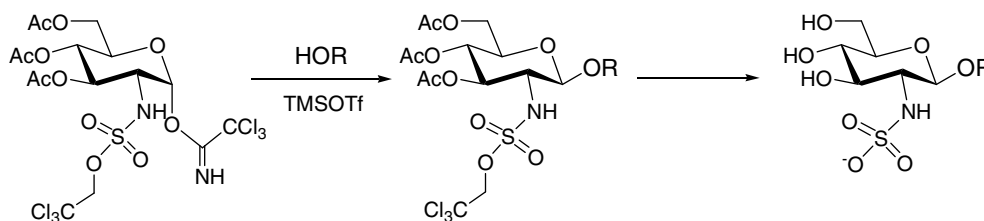
Masahiro Yoshida *, Mariko Higuchi, Kozo Shishido



Effective protection of the *N*-sulfate of glucosamine derivatives with the 2,2,2-trichloroethyl group

pp 1682–1685

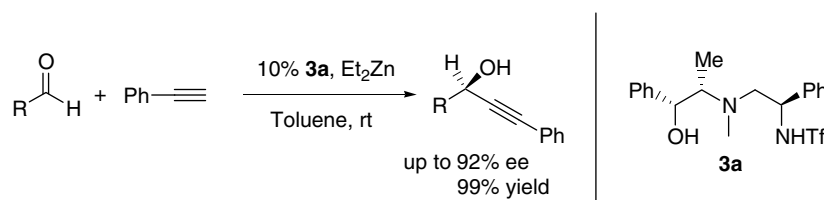
Jianfang Chen, Biao Yu *



Tf-based sulfamide-amine alcohol-catalyzed enantioselective alkynylation of aldehydes

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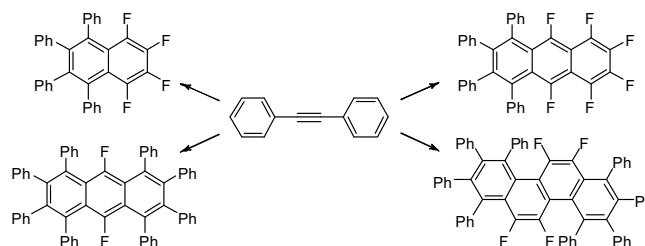
Hongwang Li, Yongbo Huang, Wei Jin, Feng Xue, Boshun Wan *



One-pot synthesis of partially fluorinated naphthalene, anthracene, and chrysene derivatives

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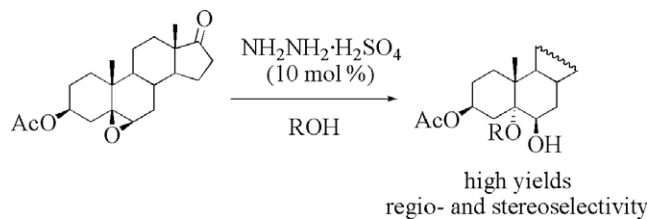
Shuhong Li, Junfeng Xiang, Xuening Mei, Caihong Xu *



Hydrazine sulphate: a cheap and efficient catalyst for the regioselective ring-opening of epoxides. A metal-free procedure for the preparation of β -alkoxy alcohols

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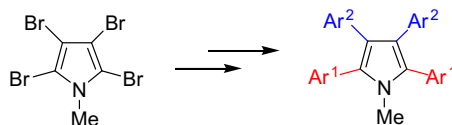
Alcino J. L. Leitão, Jorge A. R. Salvador *, Rui M. A. Pinto, M. Luísa Sá e Melo



Regioselective Suzuki cross-coupling reactions of 2,3,4,5-tetrabromo-1-methylpyrrole

pp 1698–1700

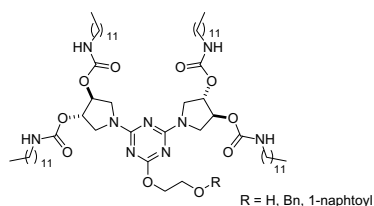
Tung T. Dang, Rasheed Ahmad, Tuan T. Dang, Helmut Reinke, Peter Langer *



The triazine ring as a scaffold for the synthesis of new organogelators

pp 1701–1705

Stefano Cicchi *, Giacomo Ghini, Sara Fallani, Alberto Brandi, Debora Berti *, Francesca Betti, Piero Baglioni

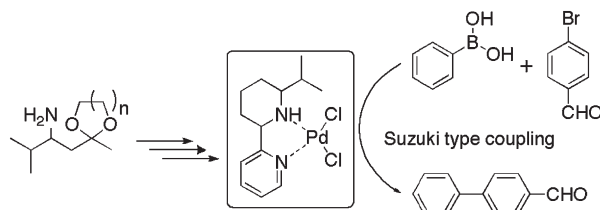


New compounds based on a triazine ring are synthesized and studied as efficient organogelators.

New 2-(2-pyridyl)piperidines: synthesis, complexation of palladium and catalytic activity in Suzuki reaction

pp 1706–1709

Bertrand Puget, Jean-Philippe Roblin, Damien Prim *, Yves Troin *

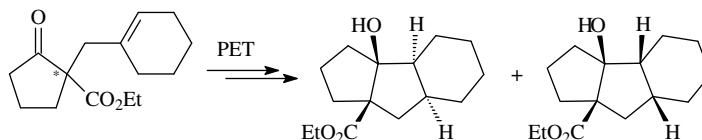


Novels 2-(2-pyridyl)-6-isopropyl piperidines Pd(II) complexes are described and their catalytic activity estimated through Suzuki coupling reaction.

**Photoinduced radical reactions of α -alkylated ethyl 2-oxo-1-cyclopentanecarboxylate derivatives:
 α -cleavage and cyclization to the skeleton of linear cyclohexano diquinanes**

pp 1710–1713

Nikolay T. Tzvetkov, Prashant A. Waske, Beate Neumann, Hans-Georg Stammer, Jochen Mattay *

**OTHER CONTENT**

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*Corresponding author

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