

Tetrahedron Letters

Volume 54, Issue 13, Pages 1617-1768 (27 March 2013)

Editorial board

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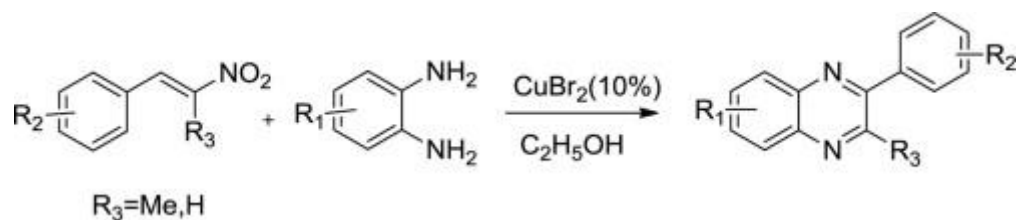
Communications

Cu(II)-catalyzed synthesis of quinoxalines from *o*-phenylenediamines and nitroolefins

Pages 1627-1630

Yongxin Chen, Kangning Li, Mingming Zhao, Yuanjiao Li, Baohua Chen

Graphical abstract

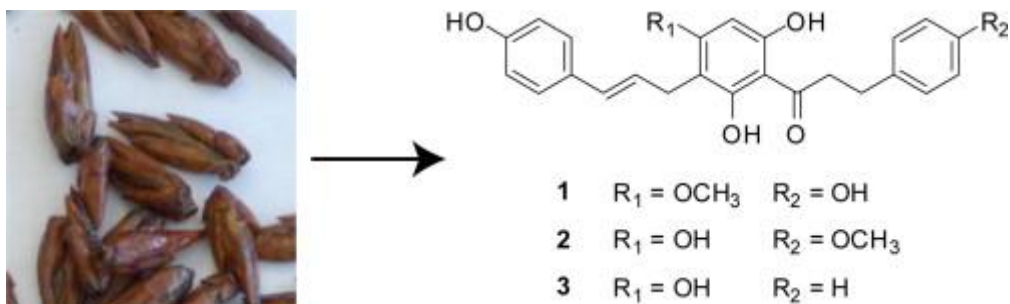


New antibacterial dihydrochalcone derivatives from buds of *Populus balsamifera*

Pages 1631-1633

Serge Lavoie, Jean Legault, François Simard, Éric Chiasson, André Pichette

Graphical abstract

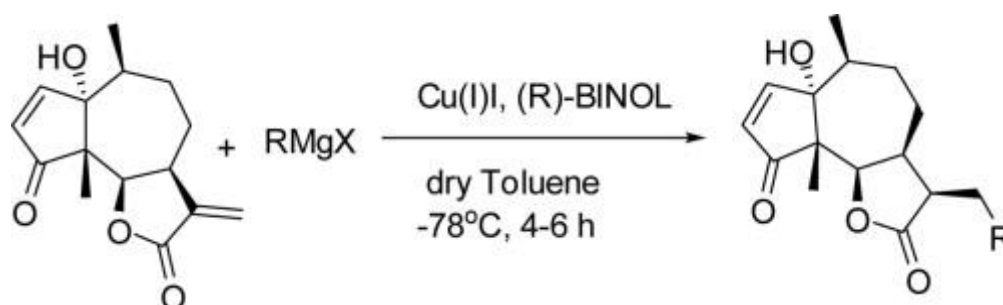


Chemo and diastereoselective conjugate addition of Grignard reagents on parthenin, a bioactive natural sesquiterpene lactone

Pages 1634-1637

Jajula Kashanna, Paramesh Jangili, Rathod Aravind Kumar, Bethapudirr Rama Rao

Graphical abstract

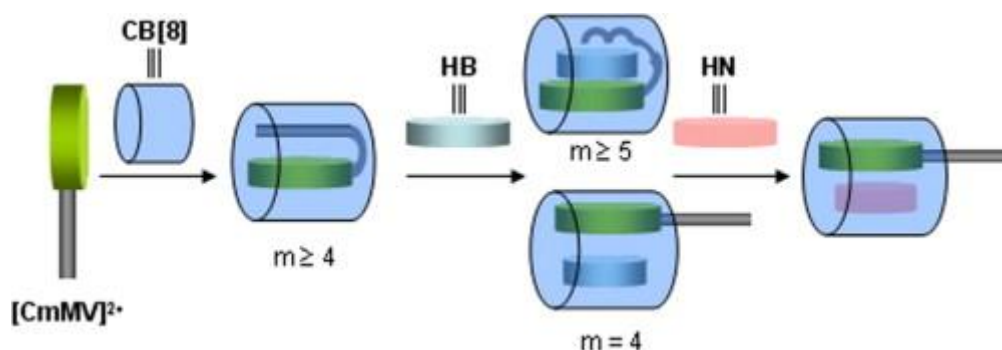


Guest-size determining the selective binding modes of cucurbit[8]uril, electron-rich guests and *N*-alkyl-*N'*-methyl-4,4'-bipyridinium

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Song jiang, Xiaona Yang, Chunxue Yang, Mingqiong Tong, Dapeng Zou, Yangjie Wu

Graphical abstract



A general, enantioselective synthesis of 1-azabicyclo[*m.n.0*]alkane ring systems

Pages 1645-1648

Timothy J. Senter, Michael L. Schulte, Leah C. Konkol, Tyler E. Wadzinski, Craig W. Lindsley

Graphical abstract

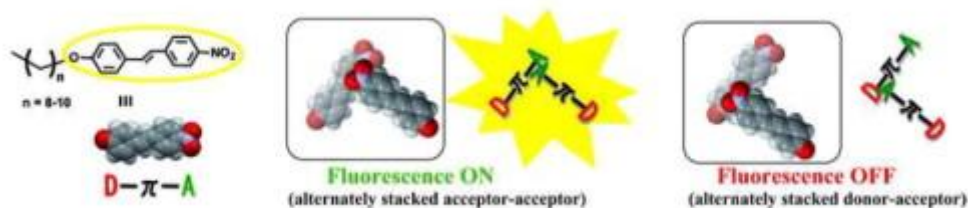


A tunable photoluminescence system consisting of liquid-crystalline *trans*-alkoxy-nitrostilbenes with *n*-alkyl chains

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Chien-Chih Chen, Tomoaki Hinoue, Ichiro Hisaki, Mikiji Miyata, Norimitsu Tohnai

Graphical abstract

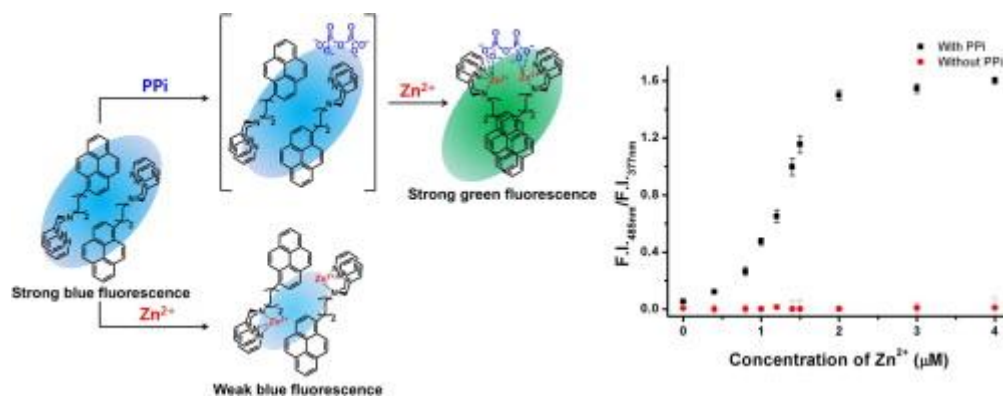


Metal ion-prompted pyrene–excimer formation via an anion-mediated process and its application for a ratiometric Zn²⁺ chemosensor with high selectivity over Cd²⁺

Pages 1654-1657

Kyungkyu Baek, Min Sik Eom, Sudeok Kim, Min Su Han

Graphical abstract

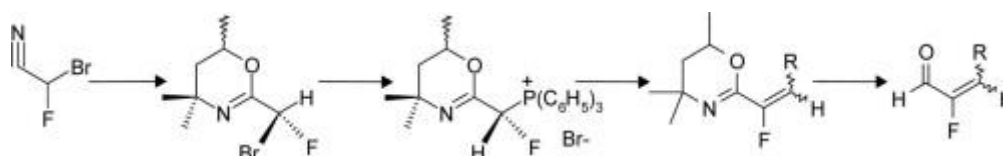


A new approach to the synthesis of (Z)-2-fluoro-2-alkenals via Wittig-type carbonyl condensation reactions of 2-(fluoromethyl)-4,4,6-trimethyl-1,3-oxazine phosphonium bromide

Pages 1658-1660

Mohammed Kajjout, Michaël Smetana, Jacques Leroy, Christian Rolando

Graphical abstract

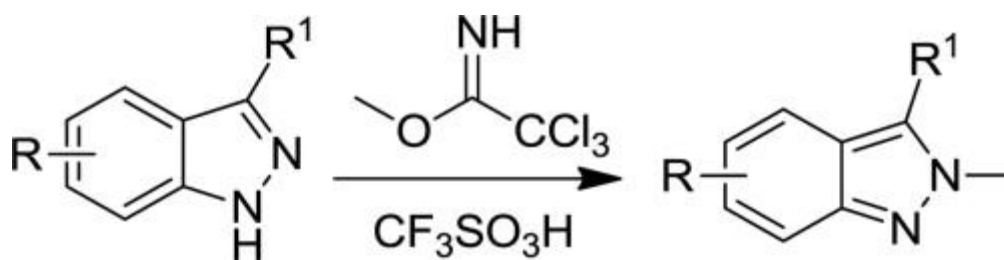


Regioselective methylation of indazoles using methyl 2,2,2-trichloromethylacetimidate

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Sudhakar Reddy Baddam, N. Uday Kumar, A. Panasa Reddy, Rakeshwar Bandichhor

Graphical abstract

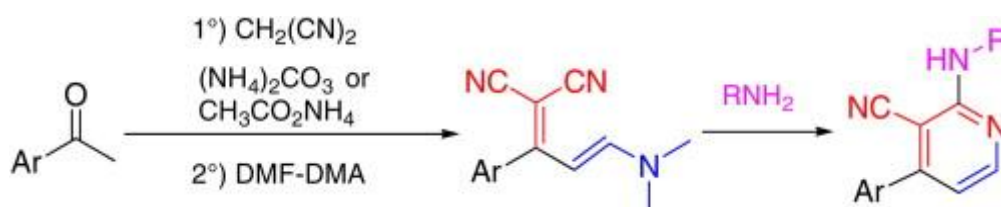


Solventless convenient synthesis of new cyano-2-aminopyridine derivatives from enamionitriles

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Didier Villemin, Zahira Belhadj, Nawel Cheikh, Noureddine Choukchou-Braham, Nathalie Bar, Jean-François Lohier

Graphical abstract

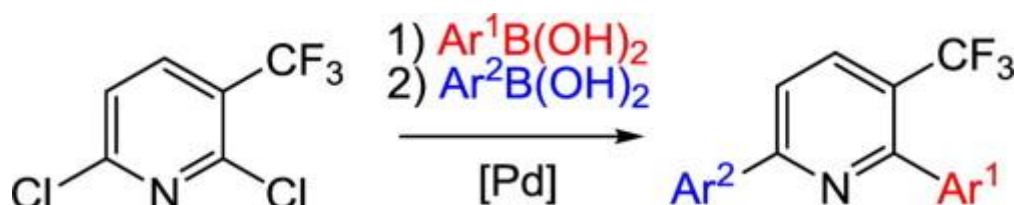


Synthesis of 2,6-diaryl-3-(trifluoromethyl)pyridines by regioselective Suzuki–Miyaura reactions of 2,6-dichloro-3-(trifluoromethyl)pyridine

Pages 1669-1672

Shahzad Ahmed, Muhammad Sharif, Khurram Shoaib, Sebastian Reimann, Jamshed Iqbal, Tamás Patonay, Anke Spannenberg, Peter Langer

Graphical abstract

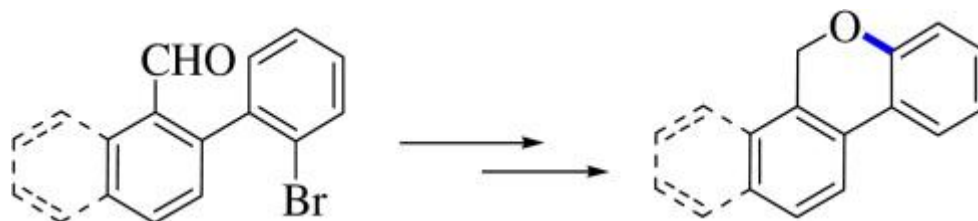


Palladium-catalyzed and KO^tBu-promoted C_{aryl}–O_{alcoholic} coupling: an efficient one-pot synthesis of oxygen containing fused rings

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Atiur Ahmed, Shubhendu Dhara, Jayanta K. Ray

Graphical abstract

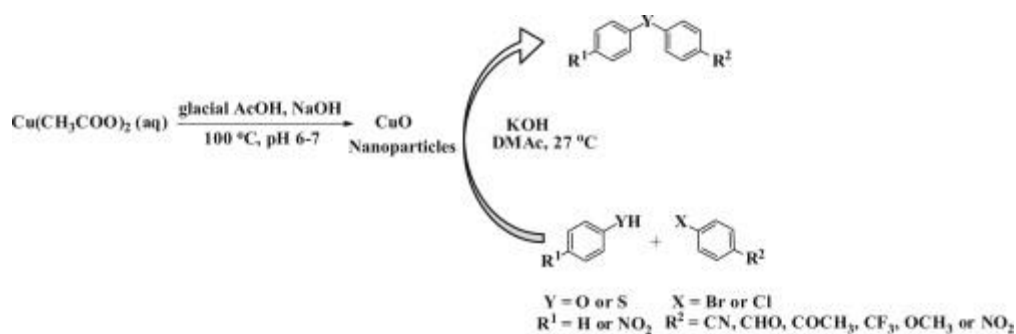


Room temperature Ullmann type C–O and C–S cross coupling of aryl halides with phenol/thiophenol catalyzed by CuO nanoparticles

Pages 1677-1680

S. Ganesh Babu, R. Karvembu

Graphical abstract

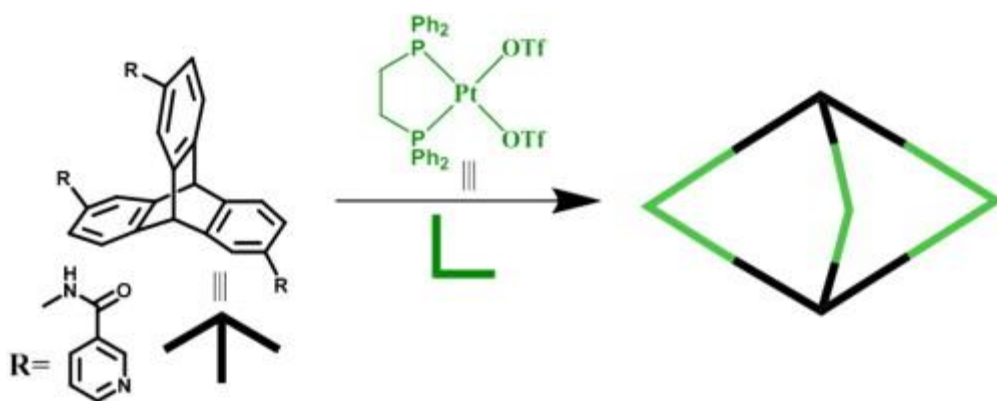


Synthesis and characterization of triptycene based tripods and design of a metallasupramolecular cage

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Sourav Chakraborty, Snehasish Mondal, Quanjie Li, Neeladri Das

Graphical abstract

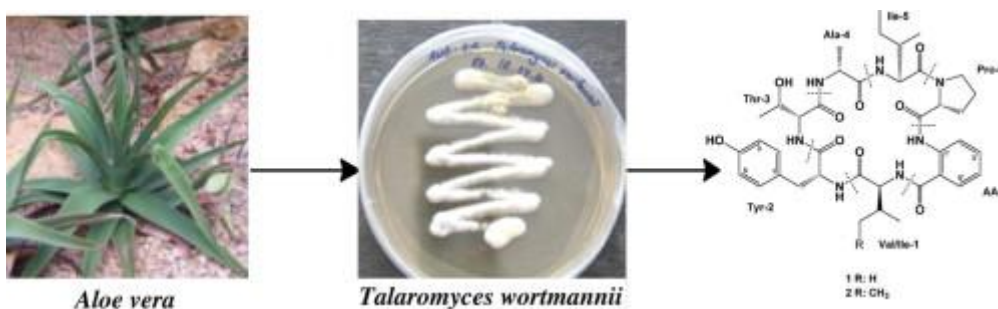


Talaromins A and B, new cyclic peptides from the endophytic fungus *Talaromyces wortmannii*

Pages 1686-1689

Robert Bara, Amal H. Aly, Victor Wray, WenHan Lin, Peter Proksch, Abdessamad Debbab

Graphical abstract

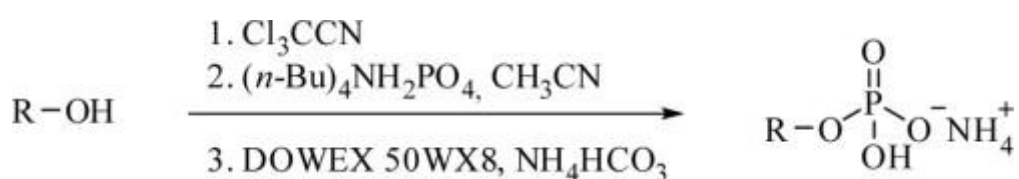


One-pot synthesis of organophosphate monoesters from alcohols

Pages 1690-1692

Lucas M. Lira, Dimitar Vasilev, Ronaldo A. Pilli, Ludger A. Wessjohann

Graphical abstract

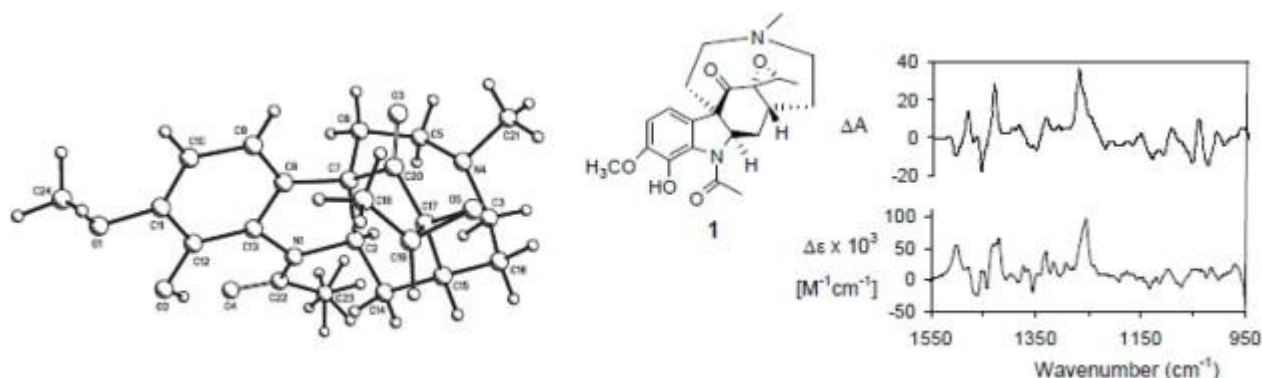


Absolute configuration of indoline alkaloids from *Geissospermum reticulatum*

Pages 1693-1696

Bárbara Gordillo-Román, Matías Reina, Lastenia Ruiz-Mesia, Wilfredo Ruiz-Mesia, Pedro Joseph-Natha

Graphical abstract

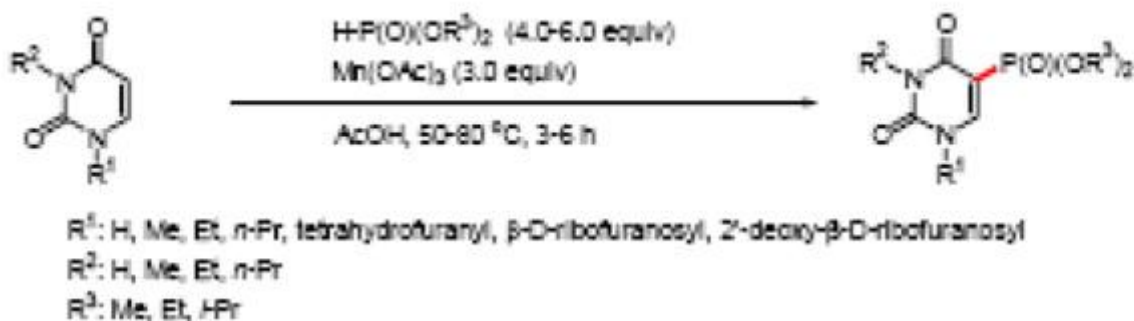


An efficient synthesis of 5-phosphorylated uracil derivatives: oxidative cross-coupling between uracil and dialkyl phosphites

Pages 1697-1699

Se Hee Kim, Sung Hwan Kim, Cheol Hee Lim, Jae Nyoung Kim

Graphical abstract



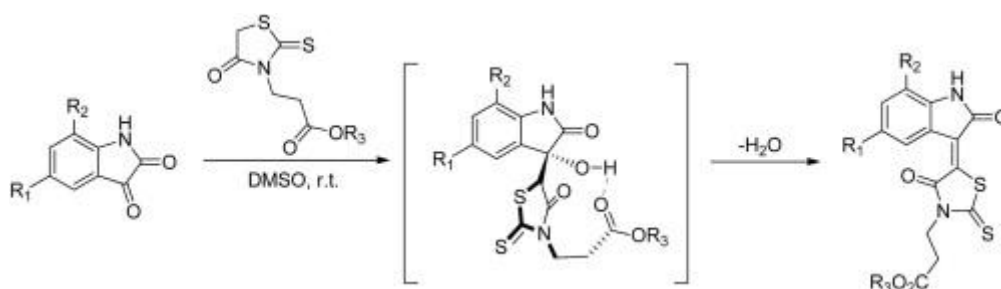
Room temperature catalyst-free Knoevenagel condensation: facile access

to isatinylidenerhodanines

Pages 1700-1703

Fengtian Xue, Alexander D. MacKerell Jr., Geoffrey Heinzl, Kellie Hom

Graphical abstract

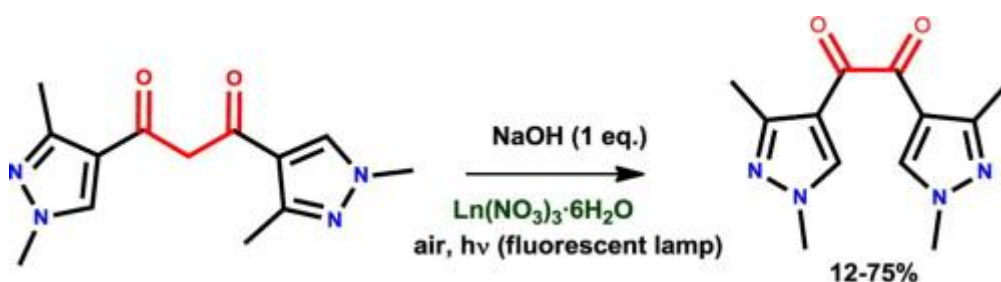


Unexpected formation of a 1,2-diketone from a 1,3-diketone mediated by lanthanides

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Ilya V. Taydakov, Yulia V. Nelyubina

Graphical abstract



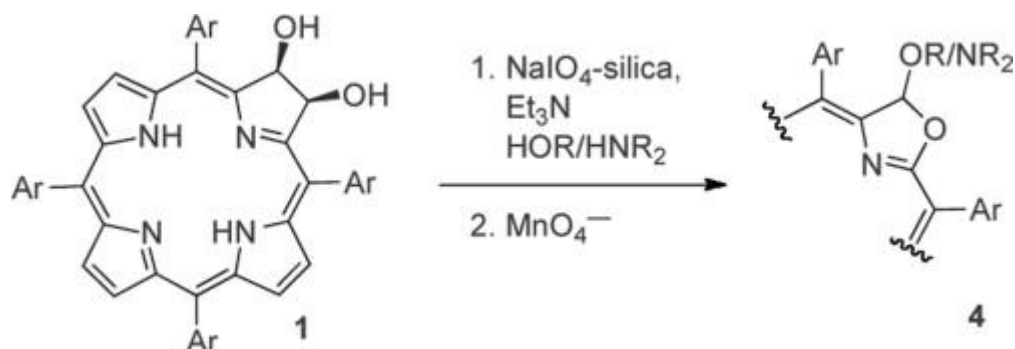
A two-step, one-pot route to swap the pyrroline moiety in *meso*-tetraaryldihydroxy-chlorins with an O/N-substituted oxazoline

Pages 1707-1710

Junichi Ogikubo, Jill L. Worlinsky, You-Jun Fu, Christian Brückner

Graphical abstract

Reaction of diolchlorin **1** with $\text{NaIO}_4/\text{silica}$ gel in the presence of a secondary amine or alcohol, followed by MnO_4^- -induced oxidation, leads to the replacement of a pyrroline β -carbon with oxygen to form α -substituted oxazolochlorin amins or acetals **4**, respectively.

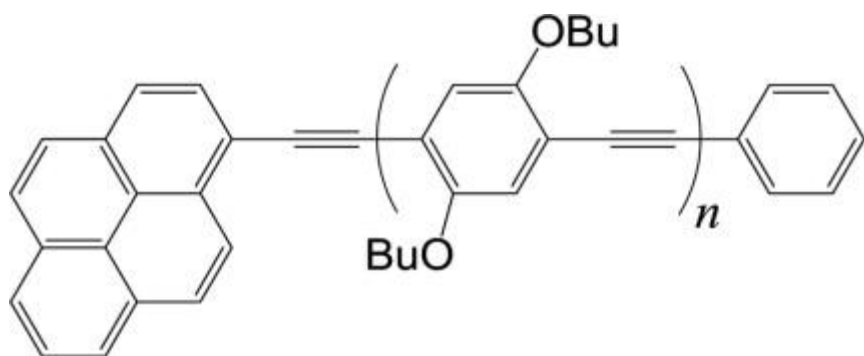


Synthesis and characterization of unsymmetrical phenylene–ethynylene trimers and tetramers with different chromophores as blue-light-emitters

Pages 1711-1713

Xinyan Bai, Xueyi Chen, Jerry R. Dias, T.C. Sandreczki

Graphical abstract



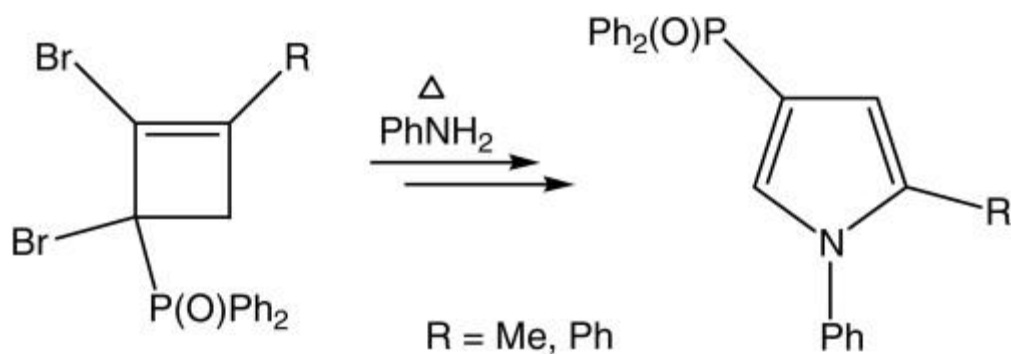
$n = 1-2$ gives blue fluorescence

Formation of β -(diphenylphosphoryl)pyrroles via reactions of dibromocyclobutenylphosphine oxides with aniline

Pages 1714-1717

Alexander S. Bogachenkov, Boris I. Ionin, Gerd-Volker Röschenhaler

Graphical abstract

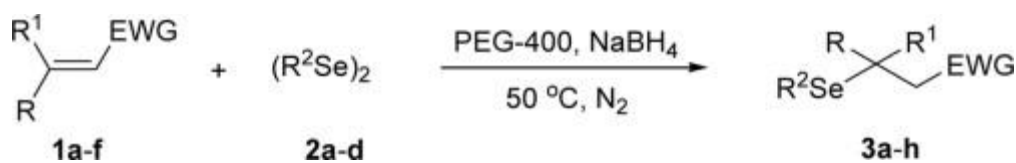


Simple cleavage of diorganyl diselenides with NaBH₄/PEG-400 and direct Michael addition to electron-deficient alkenes

Pages 1718-1721

Gelson Perin, Elton L. Borges, Paloma C. Rosa, Patrick N. Carvalho, Eder J. Lenardão

Graphical abstract

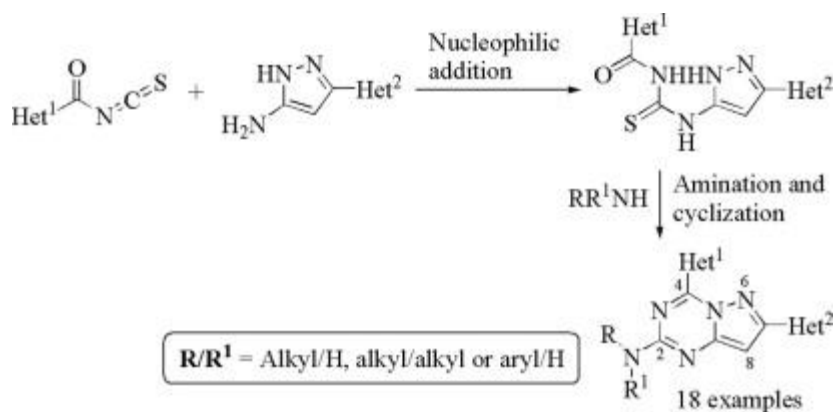


An efficient two-step synthesis of novel 2-amino-substituted pyrazolo[1,5-a][1,3,5]triazines

Pages 1722-1725

Henry Insuasty, Braulio Insuasty, Edison Castro, Jairo Quiroga, Rodrigo Abonia

Graphical abstract



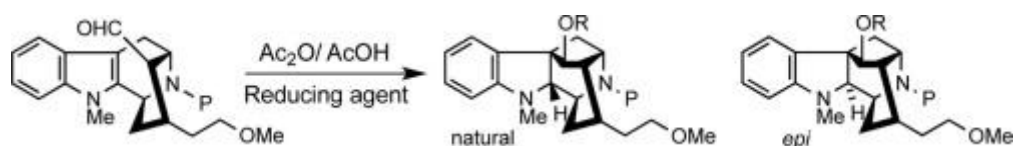
Stereoselectivity and conformational control in the synthesis of ajmaline and *epi*-ajmaline alkaloids

Pages 1726-1729

Patrick D. Bailey, Mark A. Beard, Mark Cresswell, Hoa P.T. Dang, Ravindra B. Pathak, Theresa R. Phillips, Richard A. Price

Graphical abstract

Appropriate choice of protecting group P and reducing agent allows access to either the natural or *epi* series of ajmaline alkaloids.

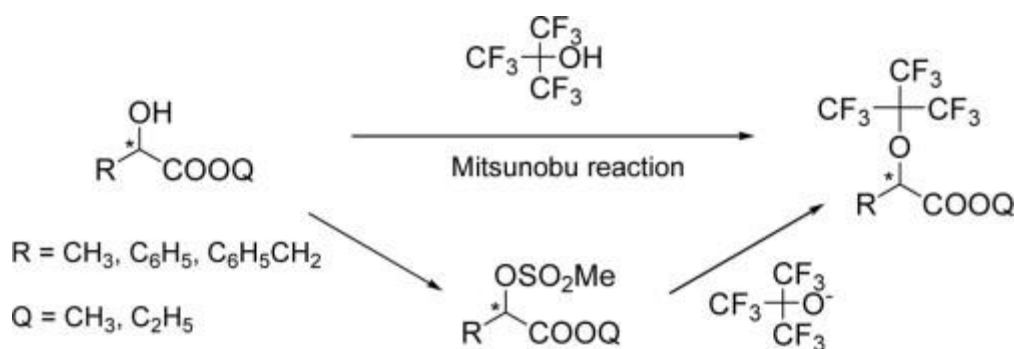


Synthesis of optically active α -(nonafluoro-*tert*-butoxy)carboxylic acids

Pages 1730-1733

Tamás Csóka, Anikó Nemes, Dénes Szabó

Graphical abstract

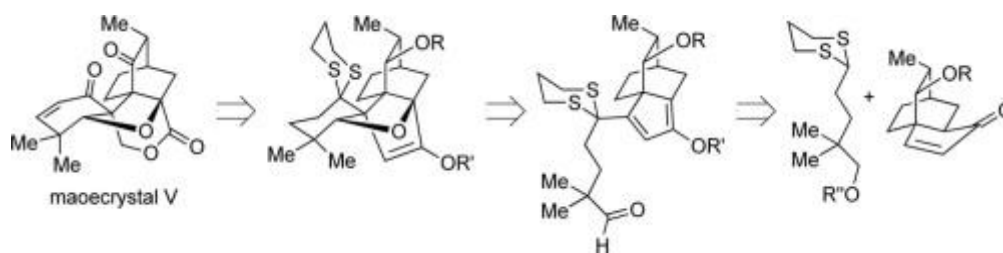


An unusual intramolecular Diels–Alder approach toward maocystal V

Pages 1734-1737

Patrick Carberry, Dennis R. Viernes, Lydia B. Choi, Mark W. Fegley, John D. Chisholm

Graphical abstract

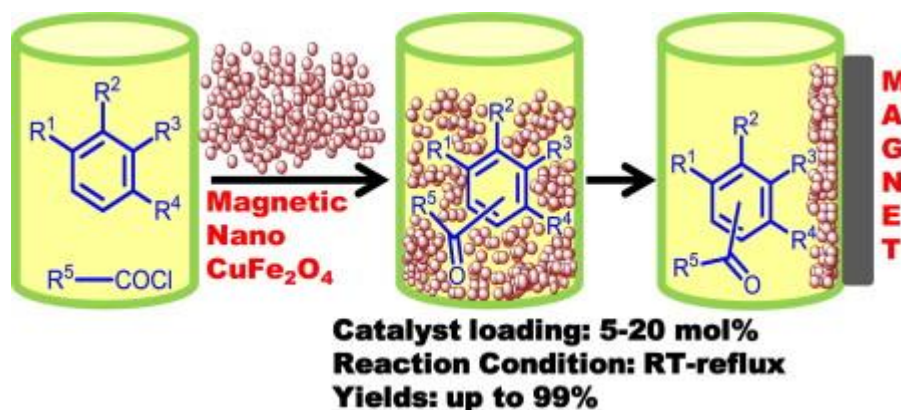


Catalytic Friedel–Crafts acylation: magnetic nanopowder CuFe_2O_4 as an efficient and magnetically separable catalyst

Pages 1738-1742

Ramarao Parella, Naveen, Amit Kumar, Srinivasarao Arulananda Babu

Graphical abstract

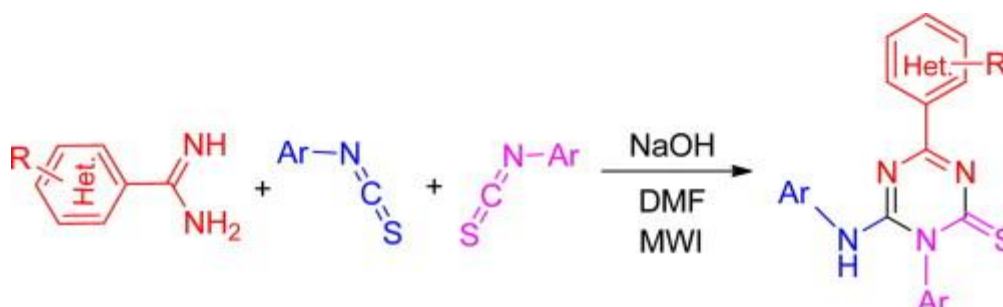


Domino [3+2+1] heterocyclization of isothiocyanates with aryl amidines leading to polysubstituted 1,3,5-triazine derivatives

Pages 1743-1746

Na Li, Man-Su Tu, Bo Jiang, Xiang Wang, Shu-Jiang Tu

Graphical abstract

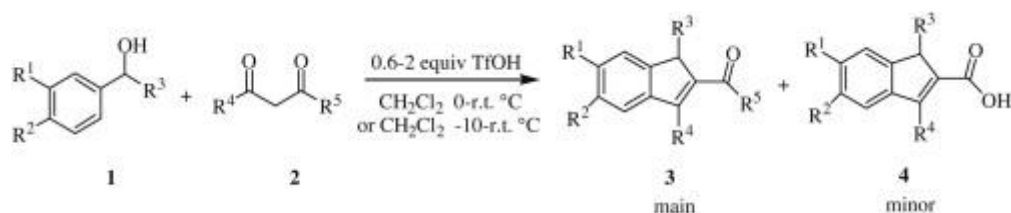


One-pot synthesis of indene derivatives by CF₃SO₃H-promoted reactions of benzylic alcohols and 1,3-dicarbonyl compounds

Pages 1747-1750

Wenxue Zhang, Yisi Dai, Haizhen Zhu, Wei Zhang

Graphical abstract

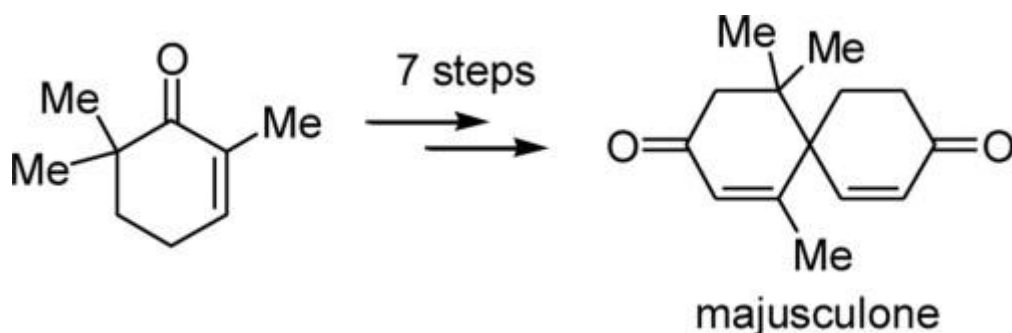


Intramolecular reductive cyclization of an enone–aldehyde: a new approach to the synthesis of (±)-majusculone

Pages 1751-1753

Day-Shin Hsu, Bing-Chiuan Juo

Graphical abstract

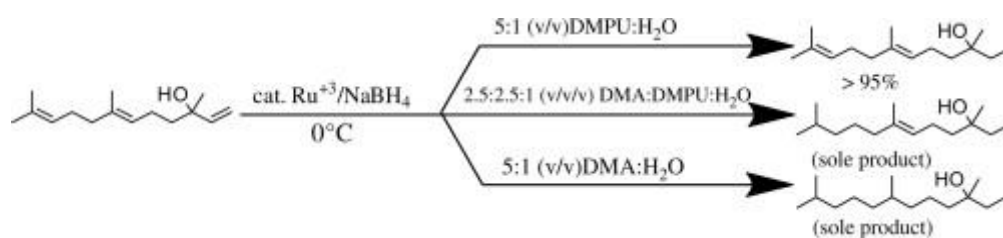


Selective reduction of dienes/polyenes using sodium borohydride/catalytic ruthenium(III) in various liquid amide aqueous mixtures

Pages 1754-1757

James H. Babler, David W. Ziemke, Robert M. Hamer

Graphical abstract

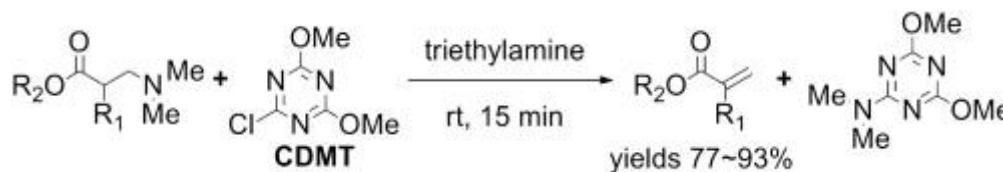


A new method using 2-chloro-4,6-dimethoxy-1,3,5-triazine for facile elimination of dimethylamino group in Eschenmoser's methylenation for synthesis of α,β -unsaturated esters

Pages 1758-1760

Kohei Yamada, Kazumasa Masaki, Yuri Hagimoto, Seina Kamiya, Munetaka Kunishima

Graphical abstract

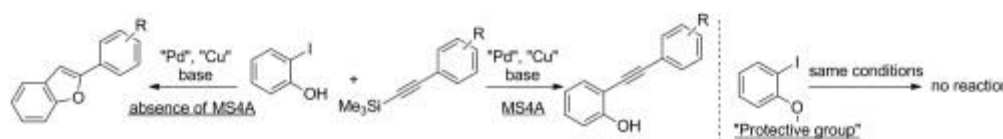


Phenoxide-mediated Sonogashira coupling of trimethylsilylalkynes and aryl iodides: practical synthesis of phenolic-hydroxy-substituted diarylethyne and 1,4-diarylbutadiynes

Pages 1761-1764

Masayuki Shigeta, Junji Watanabe, Gen-ichi Konishi

Graphical abstract



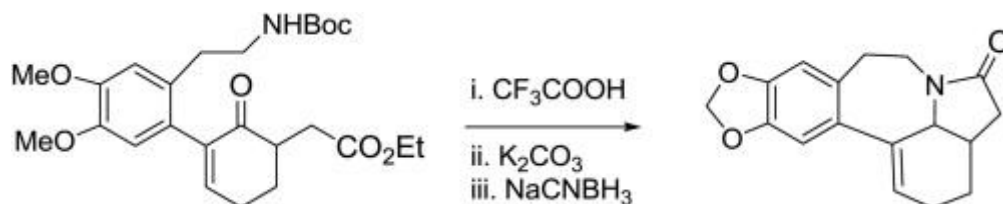
Study of aza-cyclization of α,β -unsaturated carbonyl moieties and

synthetic application to hexahydroapoerysopine

Pages 1765-1767

Hee Dong Kim, Guncheol Kim

Graphical abstract



Other content

Retraction notice to [1-Decanethiol, a new reagent for the odorless deprotection of aryl methyl ethers]

Page 1768

Bhima Kale, Ananta Shinde, Swapnil Sonar, Bapurao Shingate, Sanjeev Kumar, Samir Ghosh, Soodamani Venugopal, Murlidhar Shingare