

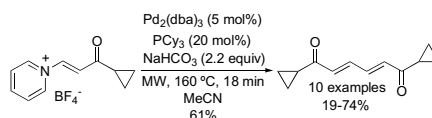
Tetrahedron Letters Vol. 49, No. 46, 2008

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COMMUNICATIONS

N-Vinylpyridinium tetrafluoroborate salts as reagents for the stereoselective and regioselective synthesis of symmetrical (2E,4E)-1,6-dioxo-2,4-dienes pp 6491–6494

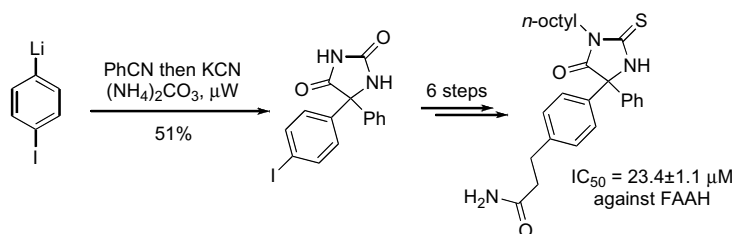
Ge Gao, Neil Brown, Machiko Minatoya, Keith R. Buszek *



A general regioselective and stereoselective Pd(0)-catalyzed synthesis of substituted symmetrical (2E,4E)-1,6-dioxo-2,4-dienes is reported.

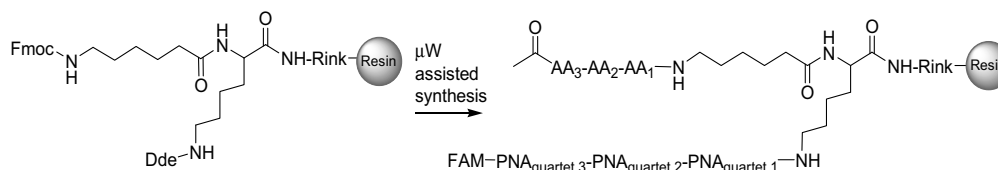
Microwave-assisted four-component reaction for the synthesis of a monothiohydantoin inhibitor of a fatty acid amide hydrolase pp 6495–6497

Estelle Gallienne, Giulio G. Muccioli, Didier M. Lambert, Michael Shipman *



Microwave-assisted orthogonal synthesis of PNA-peptide conjugates pp 6498–6500

Nina Svensen, Juan José Díaz-Mochón, Mark Bradley *

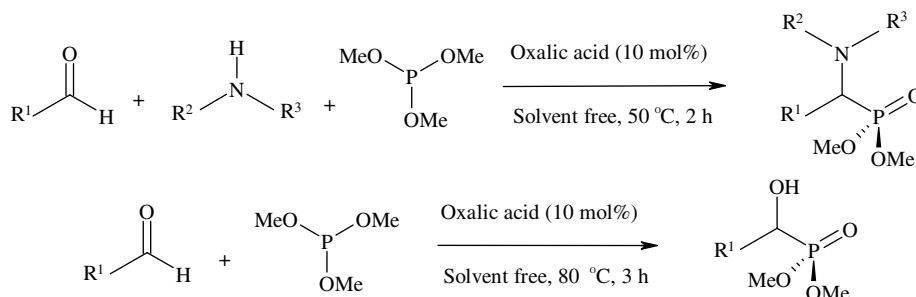


Microwave heating offers a fully automated and efficient synthesis strategy to peptide nucleic acid-peptide conjugates.

Organocatalytic synthesis of α -hydroxy and α -aminophosphonates

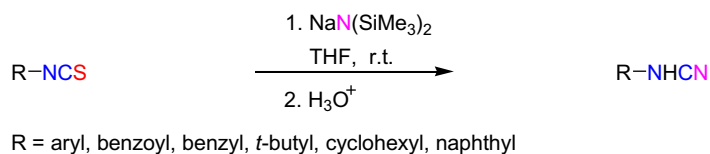
pp 6501–6504

Seyed Mohammad Vahdat *, Robabeh Baharfar, Mahmood Tajbakhsh, Akbar Heydari, Seyed Meysam Baghbanian, Samad Khaksar

**Desulfurization and transformation of isothiocyanates to cyanamides by using sodium bis(trimethylsilyl)amide**

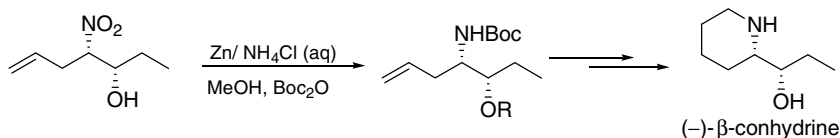
pp 6505–6507

Chun-Yen Chen, Fung Fuh Wong *, Jiann-Jyh Huang, Shao-Kai Lin, Mou-Yung Yeh *

**An efficient reduction protocol for the synthesis of β -hydroxycarbamates from β -nitro alcohols in one pot: a facile synthesis of (-)- β -conhydrine**

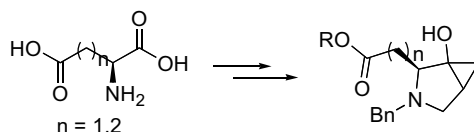
pp 6508–6511

Partha Pratim Saikia, Gakul Baishya, Abhishek Goswami, Nabin C. Barua *

**Substituted azabicyclo[3.1.0]hexan-1-ols from aspartic and glutamic acid derivatives via titanium-mediated cyclopropanation**

pp 6512–6513

Catherine A. Faler, Madeleine M. Joullié *

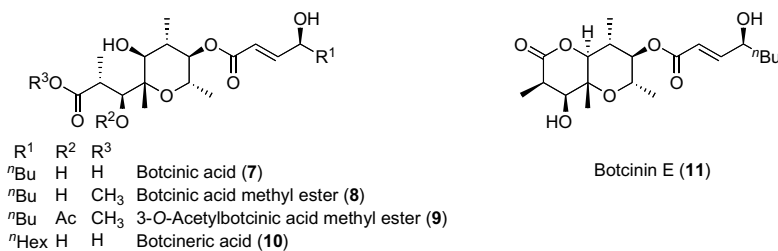


The Kulinkovich cyclopropanation reaction has been used to synthesize azabicyclo[3.1.0]hexanols from amino acid derivatives containing two ester moieties.

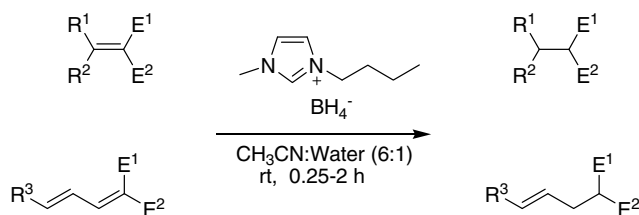


Asymmetric total synthesis of botcinic acid and its derivatives: synthetic revision of the structure of botcinolides pp 6514–6517

Hiroki Fukui, Seiichi Hitomi, Ryo-suke Suzuki, Tatsuhiko Ikeda, Yuma Umezaki, Keisuke Tsuji, Isamu Shiina *

**3-Butyl-1-methylimidazolium borohydride ([bmim][BH₄])—a novel reducing agent for the selective reduction of carbon–carbon double bonds in activated conjugated alkenes** pp 6518–6520

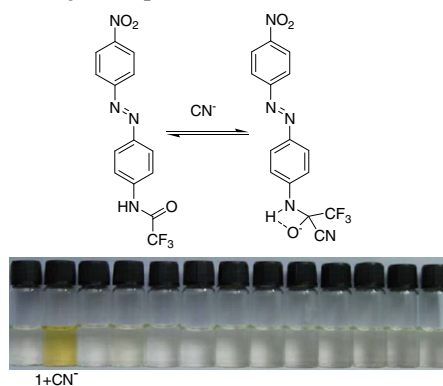
Jiayi Wang, Gonghua Song *, Yanqing Peng, Yidong Zhu



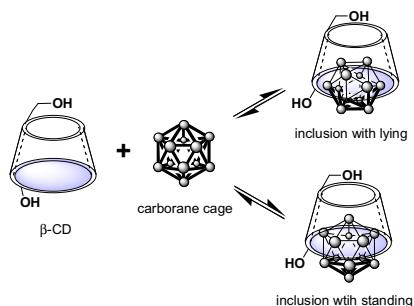
A novel ionic reducing reagent, 3-butyl-1-methylimidazolium borohydride ([bmim][BH₄]), was synthesized and successfully used for the selective reduction of carbon-carbon double bonds in conjugated alkenes as well as the α,β -carbon-carbon double bonds in highly activated $\alpha,\beta,\gamma,\delta$ -unsaturated alkenes. The reagent can be regenerated and reused several times without losing its activity.

**A highly selective and synthetically facile aqueous-phase cyanide probe** pp 6521–6524

Hao-Tao Niu, Xueliang Jiang, Jiaqi He, Jin-Pei Cheng *

**Complexation of β -cyclodextrin with carborane derivatives in aqueous solution** pp 6525–6528

Kiminori Ohta, Shunsuke Konno, Yasuyuki Endo *

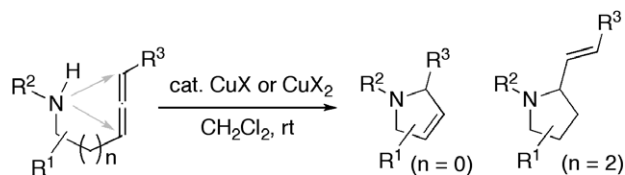


β -Cyclodextrin formed complexes with *o*-carborane derivatives in aqueous solution, and the association constants were estimated from NMR titration studies.

Copper-catalyzed intramolecular hydroamination of allenylamines to 3-pyrrolines or 2-alkenylpyrrolidines

pp 6529–6532

Akiko Tshako, Daisuke Oikawa, Kazushi Sakai, Sentaro Okamoto *

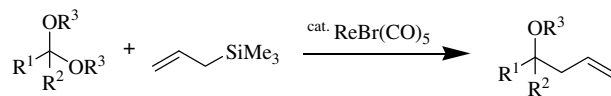


Copper salts, such as CuCl , CuI , CuCl_2 and $\text{Cu}(\text{OTf})_2$, were used to catalyze the intermolecular hydroamination of allenylamines to provide the corresponding 3-pyrrolines or 2-alkenylpyrrolidines.

Rhenium complex-catalyzed allylation of acetals with allyltrimethylsilane

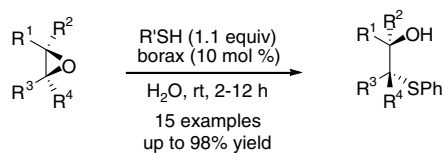
pp 6533–6535

Yutaka Nishiyama *, Keiko Shimoura, Noboru Sonoda

**Borax-catalyzed thiolysis of 1,2-epoxides in aqueous medium**

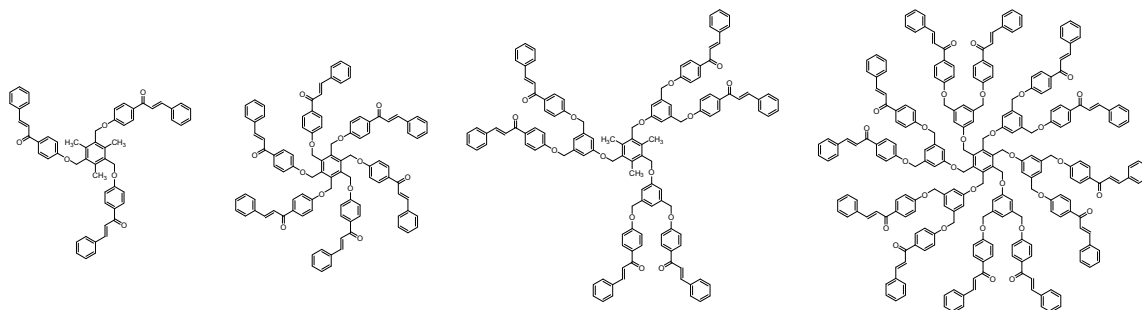
pp 6536–6538

Peng Gao, Peng-Fei Xu, Hongbin Zhai *

**Synthesis, optical and thermal studies of dendritic architectures with chalcone surface groups**

pp 6539–6542

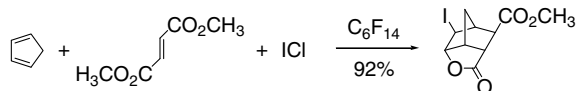
Perumal Rajakumar *, Sebastian Raja



The role of neat substrates in phase-vanishing and tandem phase-vanishing reactions

pp 6543–6546

Nicole Windmon, Veljko Dragojlovic *

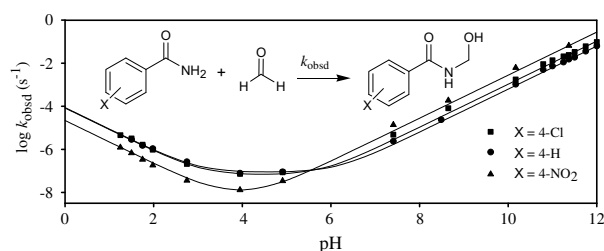


In tandem single-phase–phase-vanishing reaction, reactants in the top phase gave the intermediate Diels–Alder adduct, which in a subsequent triphasic phase-vanishing reaction with ICl afforded the iodolactonization product.

Rate of formation of *N*-(hydroxymethyl)benzamide derivatives in water as a function of pH and their equilibrium constants

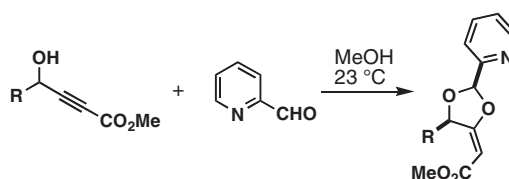
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Ramana V. Ankem, John L. Murphy, Richard W. Nagorski *

**Cyclic acetal formation between 2-pyridinecarboxyaldehyde and γ -hydroxy- α,β -acetylenic esters**

pp 6550–6552

Sami Osman, Kazunori Koide *

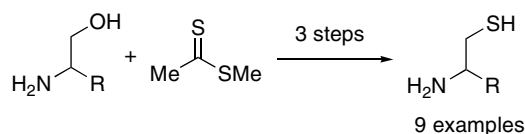


A new transformation between 2-pyridinecarboxyaldehyde and γ -hydroxy- α,β -acetylenic esters to form highly functionalized cyclic acetals was discovered. This transformation proceeds under very mild conditions without any additives and is promoted by the basic nature of the pyridine ring.

**Efficient synthesis of primary 2-aminothiols from 2-aminoalcohols and methylthioacetate**

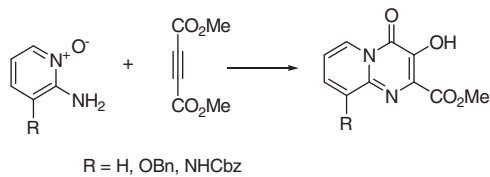
pp 6553–6555

Guillaume Mercey, Delphine Brégeon, Annie-Claude Gaumont, Jocelyne Levillain *, Mihaela Gulea *

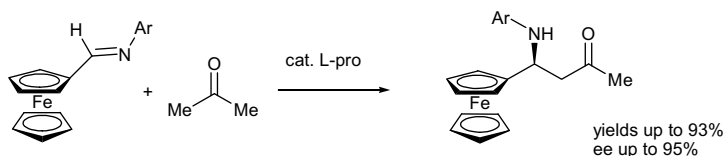


3-Hydroxy-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxylates—fast access to a heterocyclic scaffold for HIV-1 integrase inhibitors

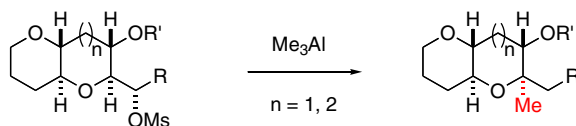
pp 6556–6558

 Olaf D. Kinzel ^{*}, Richard G. Ball, Monica Donghi, Courtney K. Maguire, Ester Muraglia, Silvia Pesci, Michael Rowley, Vincenzo Summa

Enantioselective organocatalytic Mannich reactions of ferrocenecarbaldehyde

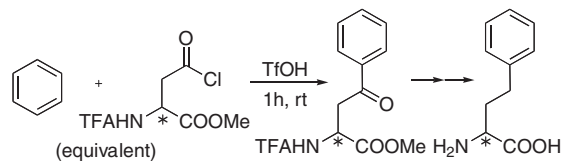
pp 6559–6562

 Guillem Valero, Andrea-Nekane Balaguer, Albert Moyano ^{*}, Ramon Rios ^{*}

New synthetic method for 2,3-trans-2-methyl-tetrahydropyran-3-ol and oxepan-3-ol by unique insertion of a methyl group

pp 6563–6565

 Atsushi Kimishima, Tadashi Nakata ^{*}

Asymmetric and efficient synthesis of homophenylalanine derivatives via Friedel–Crafts reaction with trifluoromethanesulfonic acid

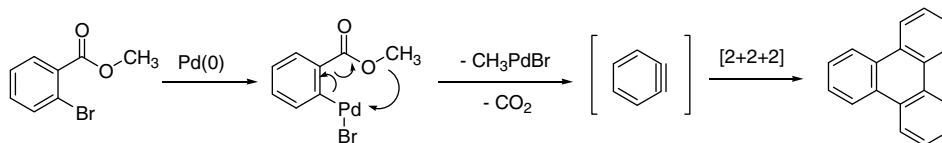
pp 6566–6568

 Ryo Murashige, Yuka Hayashi, Makoto Hashimoto ^{*}


A brand-new Pd-mediated generation of benzyne and its [2+2+2] cycloaddition: δ -carbon elimination and concomitant decarboxylation

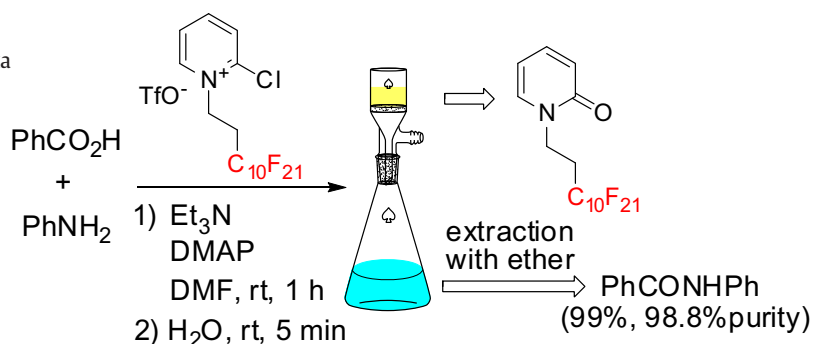
pp 6569–6572

Hoo Sook Kim, Saravanan Gowrisankar, Eun Sun Kim, Jae Nyoung Kim *

**An alternative and facile purification procedure of amidation and esterification reactions using a medium fluoruous Mukaiyama reagent**

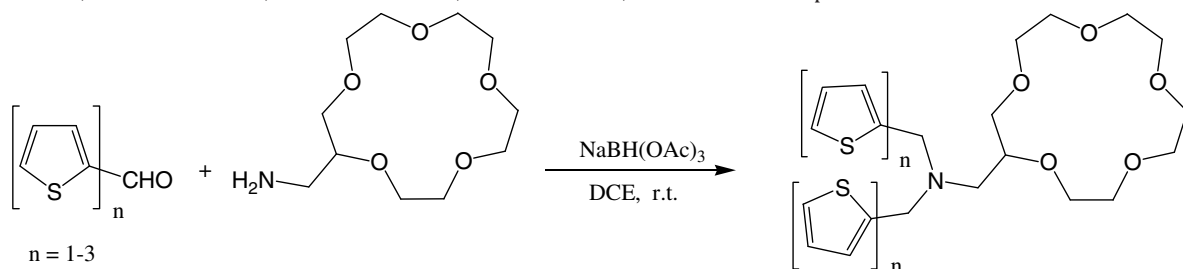
pp 6573–6574

Masato Matsugi *, Misaki Suganuma, Shoko Yoshida, Shohei Hasebe, Yoko Kunda, Kotaro Hagihara, Sayaka Oka

**Synthesis and evaluation of bipendant-armed (oligo)thiophene crown ether derivatives as new chemical sensors**

pp 6575–6578

Rosa M. F. Batista, Elisabete Oliveira, Susana P. G. Costa, Carlos Lodeiro *, M. Manuela M. Raposo *

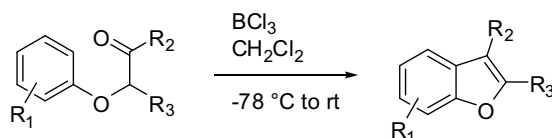


Three new (oligo)thiophene bipendant-armed ligands, derived from 2-(aminomethyl)-15-crown-5, have been synthesized by reductive amination of formyl thiophenes in the presence of $\text{NaBH}(\text{OAc})_3$. The photophysical properties of the ligands were studied and they were also evaluated as chemosensors in the presence of $\text{Na}(\text{I})$, $\text{Ag}(\text{I})$, $\text{Pd}(\text{II})$, and $\text{Hg}(\text{II})$ cations in acetonitrile solution.

 BCl_3 -promoted synthesis of benzofurans

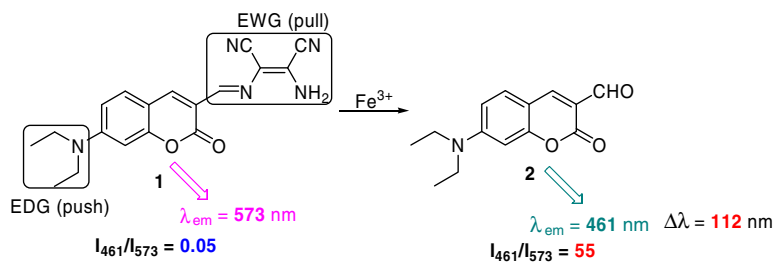
pp 6579–6584

Ikyon Kim *, Sei-Hee Lee, Sunkyung Lee



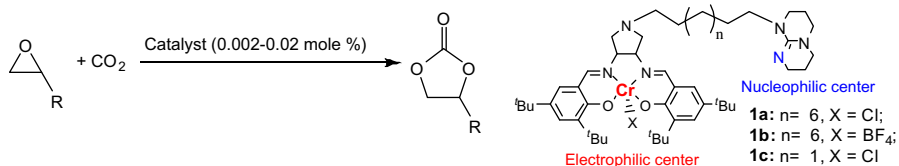
A rational approach to emission ratio enhancement of chemodosimeters via regulation of intramolecular charge transfer

pp 6585–6588

Weiyang Lin ^{*}, Lin Yuan, Xiaowei Cao

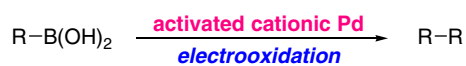
Intramolecularly two-centered cooperation catalysis for the synthesis of cyclic carbonates from CO₂ and epoxides

pp 6589–6592

Xiang Zhang, Yin-Bao Jia, Xiao-Bing Lu ^{*}, Bo Li, Hui Wang, Li-Cheng Sun ^{*}

Electrooxidative homo-coupling of arylboronic acids catalyzed by electrogenerated cationic palladium catalysts

pp 6593–6595

Koichi Mitsudo ^{*}, Takuya Shiraga, Hideo Tanaka ^{*}

OTHER CONTENT**Corrigendum****p 6596**

*Corresponding author

 Supplementary data available via ScienceDirect**COVER**

The structures of botcinic acid, botcinic acid methyl ester, 3-*O*-acetylbotcinic acid methyl ester, botcineric acid, and botcinin E have been unequivocally determined through their total syntheses and the structures of these compounds are identified with the revised forms of the natural products formerly assumed to be botcinolide, 4-*O*-methylbotcinolide, 3-*O*-acetyl-5-*O*-methylbotcinolide, homobotcinolide, and 2-epibotcinolide, respectively.

Tetrahedron Letters **2008**, 49, 6514–6517.

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