

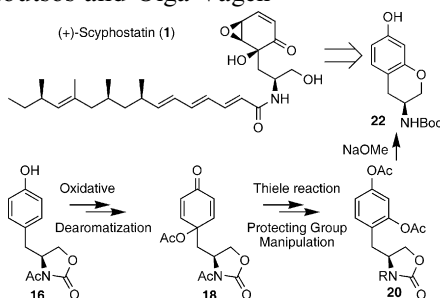
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Synthesis of enantiopure (*S*)-7-hydroxy-3-amino-3,4-dihydro-2*H*-1-benzopyran en route to (+)-scyphostatin

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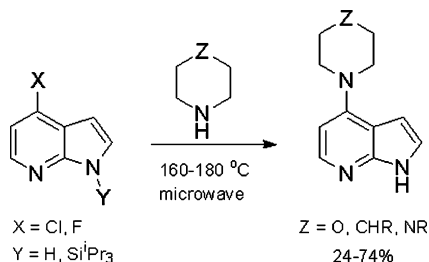
Emmanuel N. Pitsinos,* Vassilios I. Moutsos and Olga Vageli



Synthesis of 4-(cyclic dialkylamino)-7-azaindoles by microwave heating of 4-halo-7-azaindoles and cyclic secondary amines

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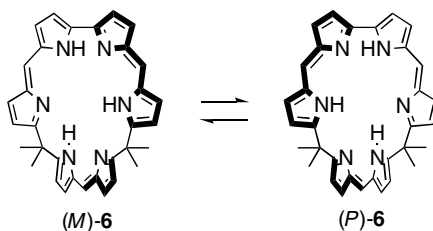
John J. Caldwell, Kwai-Ming Cheung and Ian Collins*



Synthesis and chiroptical property of *C*₂-symmetric cyclohexapyrrole

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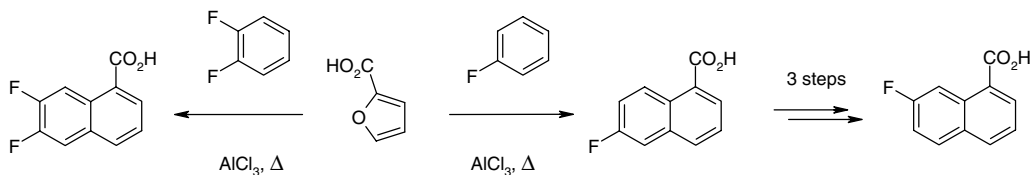
Jun-ichiro Setsune,* Aki Tsukajima and Junko Watanabe



A simple route to 6- and 7-fluoro-substituted naphthalene-1-carboxylic acids

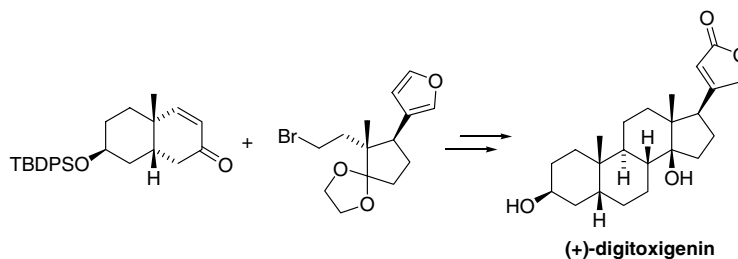
pp 1537–1540

Thomas M. Krülle,* Oscar Barba, Susan H. Davis, Graham Dawson, Martin J. Procter, Thomas Staroske and Gerard H. Thomas

**Enantioselective total synthesis of (+)-digitoxigenin**

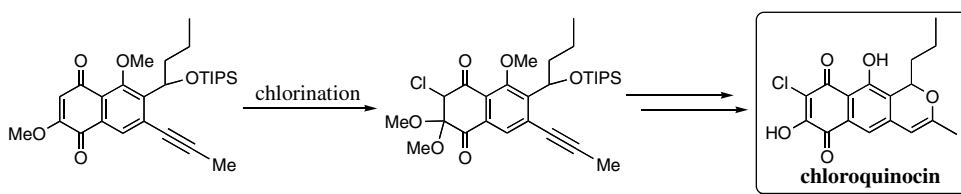
pp 1541–1544

Masahiro Honma and Masahisa Nakada*

**Synthesis of chloroquinocin, a pyranonaphthoquinone antibiotic against Gram-positive bacteria**

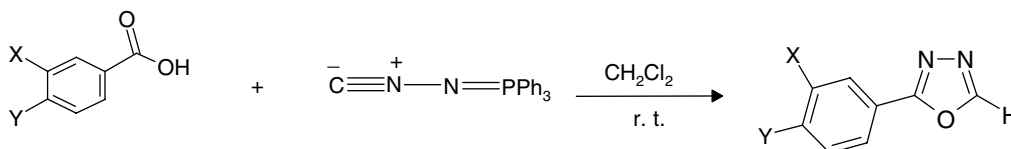
pp 1545–1548

Akiko Shimbashi and Shigeru Nishiyama*

**The reaction of (*N*-isocyanimino)triphenylphosphorane with benzoic acid derivatives: a novel synthesis of 2-aryl-1,3,4-oxadiazole derivatives**

pp 1549–1551

Ali Souldozi and Ali Ramazani*



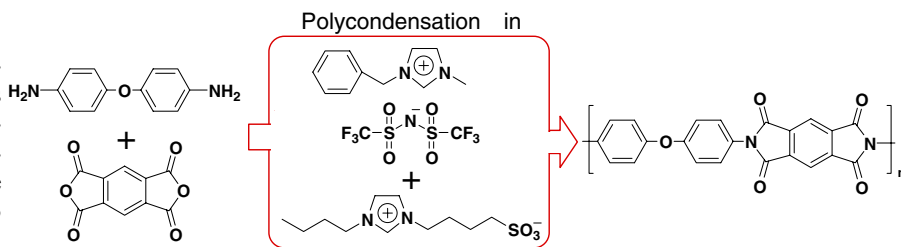
The reactions of benzoic acid derivatives with (*N*-isocyanimino)triphenylphosphorane proceed smoothly at room temperature to afford 2-aryl-1,3,4-oxadiazoles in high yields.

Improved solubilization of pyromellitic dianhydride and 4,4'-oxydianiline in ionic liquid by the addition of zwitterion and their polycondensation

pp 1553–1557

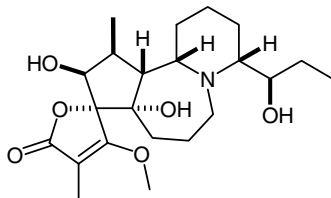
Masahiro Tamada, Takahiro Hayashi and Hiroyuki Ohno*

Solubility of 4,4'-oxydianiline and pyromellitic dianhydride as starting materials of polyimide in 1-benzyl-3-methylimidazolium bis(trifluoromethane sulfonyl)imide was significantly improved by the addition of imidazolium type zwitterion to afford high molecular weight polyimide.

**Cochinchistemonine, a novel skeleton alkaloid from *Stemona cochinchinensis***

pp 1559–1561

Li-Gen Lin, Chun-Ping Tang, Pham-Huu Dien, Ren-Sheng Xu and Yang Ye*

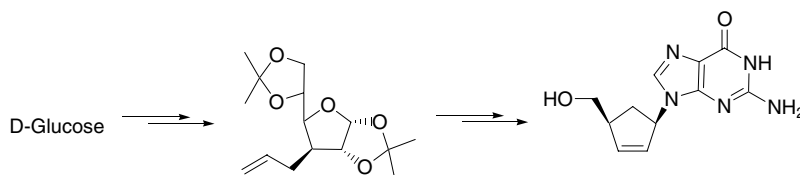


Cochinchistemonine, an alkaloid with a novel skeleton, was isolated from the roots of *Stemona cochinchinensis*. The structure was established on the basis of extensive spectral studies. The stereochemistry was confirmed by X-ray diffraction.

A short and efficient synthesis of 5-hydroxymethylcyclopent-2-enol from D-glucose and its elaboration to the carbanucleoside (–)-carbovir

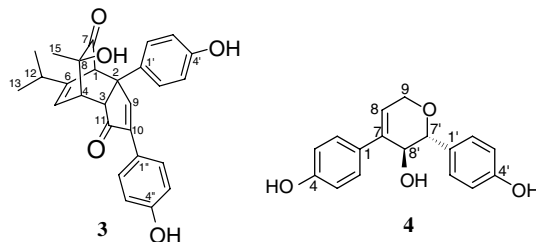
pp 1563–1566

Biswajit G. Roy, Prithwish K. Jana, Basudeb Achari and Sukhendu B. Mandal*

**Cytotoxic and novel skeleton compounds from the heartwood of *Chamaecyparis obtusa* var. *formosana***

pp 1567–1569

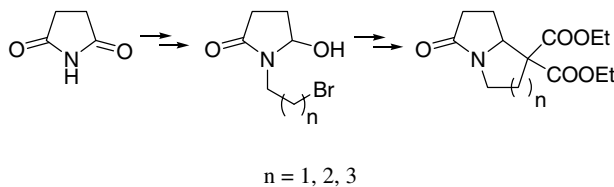
Shih-Chang Chien, Jang-Yang Chang, Ching-Chuan Kuo, Cheng-Chih Hsieh, Ning-Sun Yang and Yueh-Hsiung Kuo*



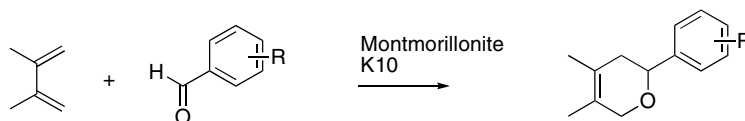
The novel skeleton compounds, chamaecypanone C (**3**) and obtunorlignan A (**4**) were isolated from the heartwood of *Chamaecyparis obtusa* var. *formosana*.

A practical method for the synthesis of pyrrolizidine, indolizidine and pyrroloazepinolidine nucleus pp 1571–1575

Tomás Quiroz, David Corona, Adrián Covarruvas, José Gustavo Avila-Zárraga and Moisés Romero-Ortega*

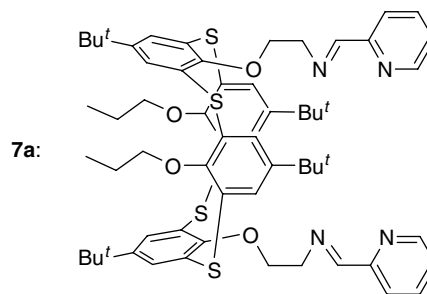

Montmorillonite clay-catalyzed hetero-Diels–Alder reaction of 2,3-dimethyl-1,3-butadiene with benzaldehydes pp 1577–1579

Matthew R. Dintzner,* Andrew J. Little, Massimo Pacilli, Dominic J. Pileggi, Zachary R. Osner and Thomas W. Lyons

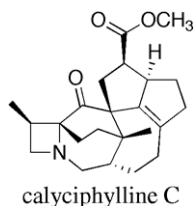

Synthesis and binding studies of novel thiacalixpodands and bithiacalixarenes having O,O'-dialkylated thiacalix[4]arene unit(s) of 1,3-alternate conformation pp 1581–1585

Vandana Bhalla, J. Nagendra Babu, Manoj Kumar,* Tetsutaro Hattori* and Sotaro Miyano

Thiacalixpodand **7a**, as well as a bithiacalixarene of the related structure, quantitatively and selectively extracts silver ion from aqueous into organic phase under neutral conditions. Compound **7a** forms a 1:2 (L:M) complex with silver ion as proved by NMR spectroscopy, Job's plot and X-ray crystallography.

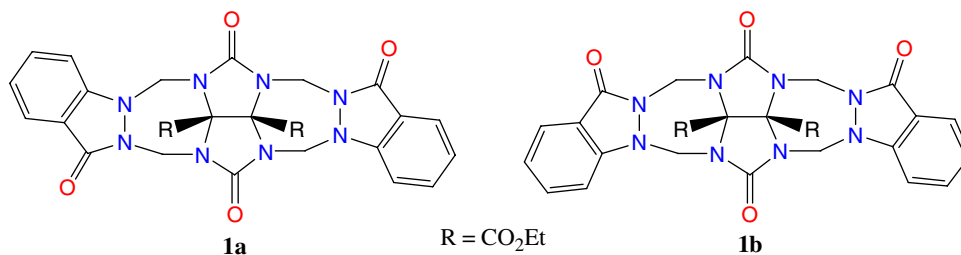

Calyciphylline C, a novel *Daphniphyllum* alkaloid from *Daphniphyllum calycinum* pp 1587–1589

Shizuka Saito, Takaaki Kubota, Eri Fukushi, Jun Kawabata, Huiping Zhang and Jun'ichi Kobayashi*



Synthesis, structural characterization, and fluorescent chemosensory properties of novel molecular clips based on diethoxycarbonyl glycoluril pp 1591–1594

Sheng-Li Hu, Neng-Fang She, Guo-Dong Yin, Hui-Zhen Guo, An-Xin Wu* and Chu-Luo Yang*



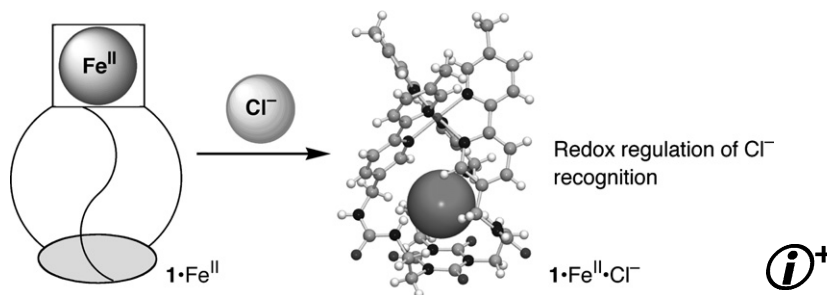
Isomer **1a** and **1b**, for selective recognition of Fe³⁺ with different association constant.

Multi-step regulation of anion recognition by redox-active pseudocryptand

pp 1595–1598

Tatsuya Nabeshima,* Sayuri Masubuchi, Norie Taguchi, Shigehisa Akine, Toshiyuki Saiki and Soichi Sato

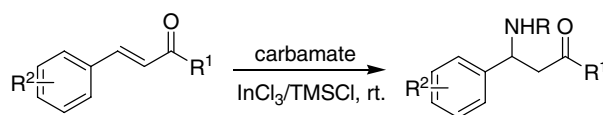
We synthesized an artificial redox-active and Cl⁻-selective Fe-pseudocryptand as an anion receptor to respond to electrochemical oxidation and reduction. As the positive charge of the Fe center increases, the anion affinity effectively increased due to an enhanced electrostatic interaction between the Fe atom and the anionic guest.



Efficient catalytic aza-Michael additions of carbamates to enones: revisited dual activation of hard nucleophiles and soft electrophiles by InCl₃/TMSCl catalyst system

pp 1599–1603

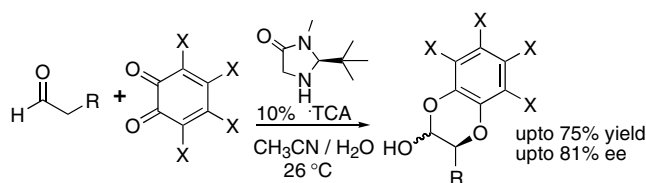
Lei Yang, Li-Wen Xu* and Chun-Gu Xia*



Enantioselective organocatalytic aryloxylation of aldehydes with *o*-quinones

pp 1605–1608

Felix A. Hernandez-Juan, Dane M. Cockfield and Darren J. Dixon*



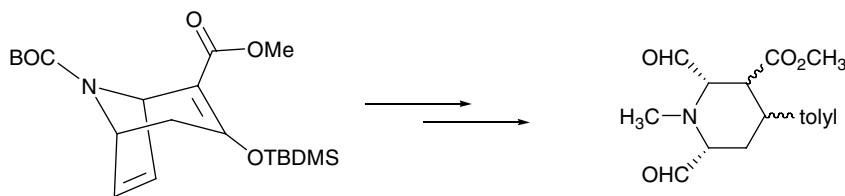
An enantioselective organocatalytic inverse electron demand hetero Diels–Alder reaction of in situ generated enamines of aldehydes with *ortho*-quinone reagents is reported.



Diastereoselective synthesis of polyfunctionalized piperidines as precursors of dopamine transporter imaging agents

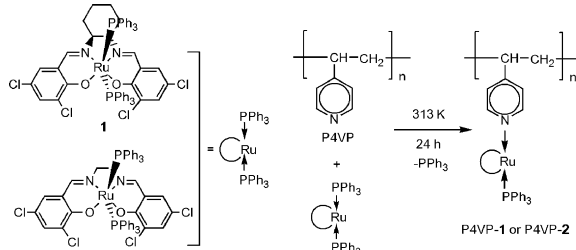
pp 1609–1612

Françoise Riché,* Fadi Masri and Monique Lopez


Immobilization of ruthenium(II) salen complexes on poly(4-vinylpyridine) and their application in catalytic aldehyde olefination

pp 1613–1617

Syukri Syukri, Wei Sun and Fritz E. Kühn*



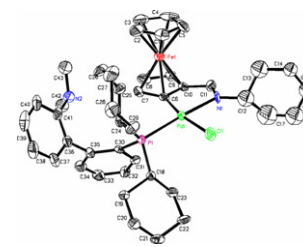
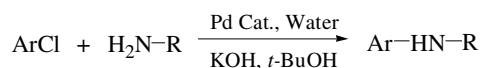
Ruthenium(II) salen complexes have been heterogenized on a polymeric carrier material. They can be utilized as active catalysts in the olefination of aldehydes.

Amination of aryl chlorides in water catalyzed by cyclopalladated ferrocenylimine complexes with commercially available monophosphinobiaryl ligands

pp 1619–1623

Chen Xu, Jun-Fang Gong* and Yang-Jie Wu*

The easily accessible, air- and moisture-stable cyclopalladated ferrocenylimine complex **3** was found to be a highly active one-component precatalyst for the amination of aryl chlorides in water in the presence of inexpensive KOH and *t*-BuOH as a base and an additive, respectively.

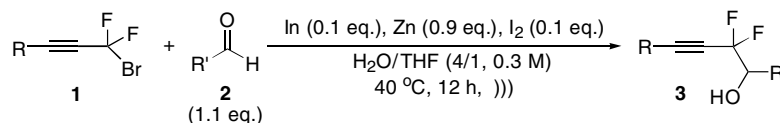


Pd Cat.


***gem*-Difluoropropargylation of aldehydes using cat. In/Zn in aqueous media**

pp 1625–1627

Satoru Arimitsu, Jesse M. Jacobsen and Gerald B. Hammond*

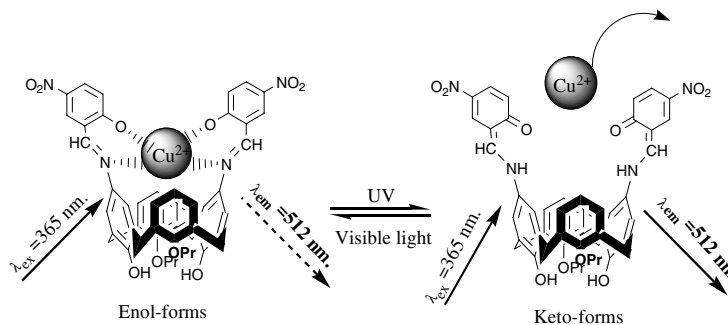


Reaction of **1** and **2** in the presence of Zn and catalytic amounts of In and I₂ produced *gem*-difluorohomopropargyl alcohol **3**; these conditions are suitable for large scale applications.

A new fluorescent chemosensor for copper(II) and molecular switch controlled by light

pp 1629–1632

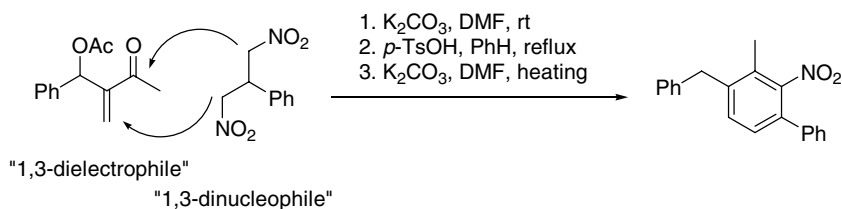
Zhi Liang, Zhilian Liu, Lin Jiang and Yunhua Gao*



Synthesis of poly-substituted nitrobenzene derivatives from Baylis–Hillman adducts via [3+3] annulation protocol

pp 1633–1636

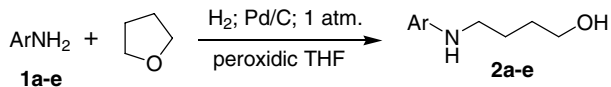
Da Yeon Park, Ka Young Lee and Jae Nyoung Kim*



A new palladium-mediated approach to 4-N-arylamino-1-butanol from peroxidic tetrahydrofuran and primary aromatic amines

pp 1637–1639

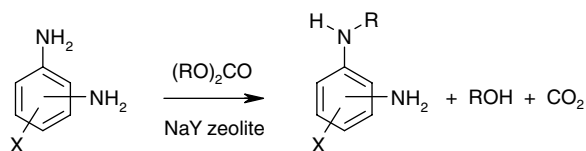
Henry F. Russell,* John B. Bremner, Jennifer Bushelle-Edghill, Melissa R. Lewis, Stacey R. Thomas and Floyd Bates, II



Highly selective zeolite-catalysed mono-N-alkylation of arylenediamines by dialkyl carbonates

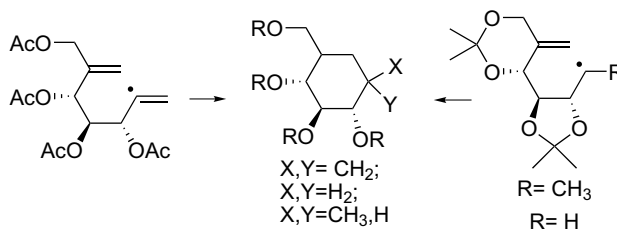
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Warren J. Ebenezer, Michael G. Hutchings,* Ken Jones, David A. Lambert and Ian Watt



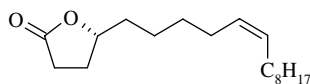
6-endo Versus 5-exo radical cyclization: streamlined syntheses of carbahexopyranoses and derivatives by 6-endo-trig radical cyclization pp 1645–1649

Ana M. Gómez,* Maria D. Company, Clara Uriel, Serafín Valverde and J. Cristóbal López*


Synthesis of the *Janus integer* pheromone (4*R*,9*Z*)-9-octadecen-4-olide

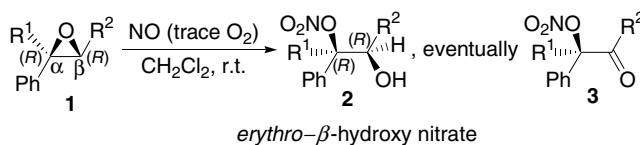
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Gowravaram Sabitha,* K. Yadagiri and J. S. Yadav


Highly stereoselective *syn*-ring opening of enantiopure epoxides with nitric oxide

pp 1653–1656

Wentao Wu, Qiang Liu, Yinglin Shen, Rui Li and Longmin Wu*

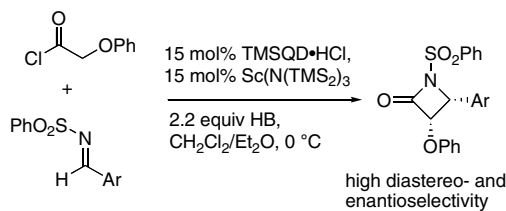


Reaction of enantiopure epoxides (**1**) with NO afforded *syn*-ring opened products, nitrates (**2**). Their configurations were confirmed to be retained by determining the configuration of reduced products 1,2-glycols from **2**.

Catalytic, asymmetric synthesis of α -phenoxy- β -aryl- β -lactams

pp 1657–1659

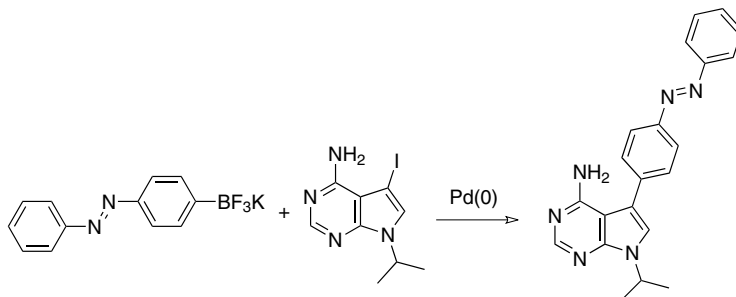
Yazhong Huang and Michael A. Calter*



Functionalized azobenzenes through cross-coupling with organotrifluoroborates

pp 1661–1664

Jessica H. Harvey, Brandon K. Butler and Dirk Trauner*



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*Corresponding author

Supplementary data available via ScienceDirect

COVER

The enantioselective total synthesis of (+)-digitoxigenin was achieved in a convergent manner by effectively utilizing chiral building blocks prepared via the catalytic asymmetric intramolecular cyclopropanation developed by us as well as via the baker's yeast reduction. This new synthetic approach to (+)-digitoxigenin would be useful for preparing some new derivatives of (+)-digitoxigenin for SAR studies and could be applied for the enantioselective total synthesis of other cardenolides left unprepared.

Tetrahedron Letters **2007**, *48*, 1541–1544.

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