

Tetrahedron Letters Vol. 50, No. 21, 2009

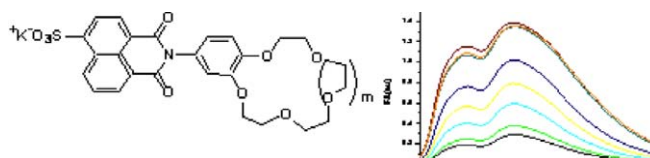
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Communications

Highly water-soluble, OFF-ON, dual fluorescent probes for sodium and potassium ions

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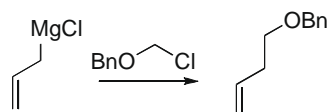
Premchendar Nandhikonda, Michael P. Begaye, Michael D. Heagy *



One carbon homologation of halides to benzyl ethers

pp 2462–2463

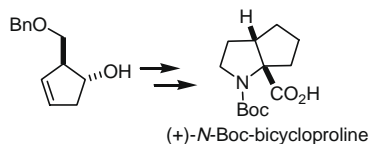
Douglass F. Taber *, Craig M. Paquette, P. Ganapati Reddy



Synthesis of Boc-protected bicycloproline

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Sujeewa Ranatunga, Juan R. Del Valle *



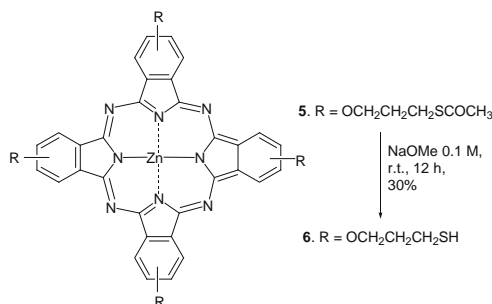
The synthesis of a highly constrained quaternary carbocyclic α -amino acid, (+)-N-Boc-bicycloproline, has been achieved starting from sodium cyclopentadienyliide.



Novel thiol-derivatized zinc(II) phthalocyanines

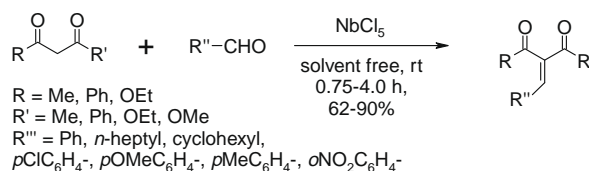
pp 2467–2469

María C. García Vior, Diego Cobice, Lelia E. Dixelio, Josefina Awruch *

**Solvent-free NbCl₅ catalyzed condensation of 1,3-dicarbonyl compounds and aldehydes: a facile synthesis of trisubstituted alkenes**

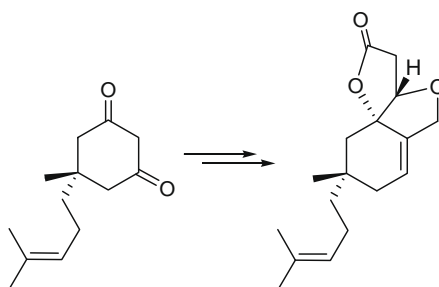
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J. S. Yadav *, Dinesh C. Bhunia, Vinay K. Singh, P. Srihari

**Synthetic studies towards the novel neurotrophic diterpenoids neovibsanins A and B: construction of the ABC core**

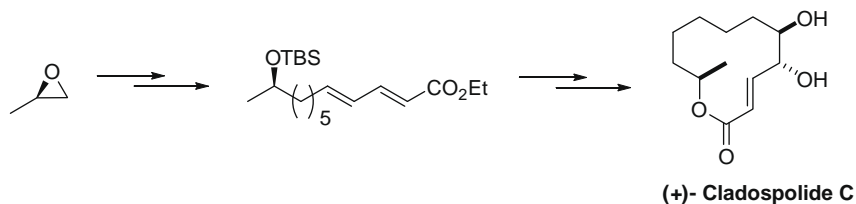
pp 2474–2477

Goverdhan Mehta *, Bilal Ahmad Bhat

**An efficient total synthesis of (+)-Cladospolide C**

pp 2478–2480

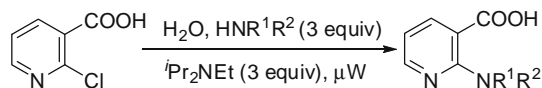
Ch. Raji Reddy *, N. Narsimha Rao



Microwave-assisted synthesis of 2-aminonicotinic acids by reacting 2-chloronicotinic acid with amines

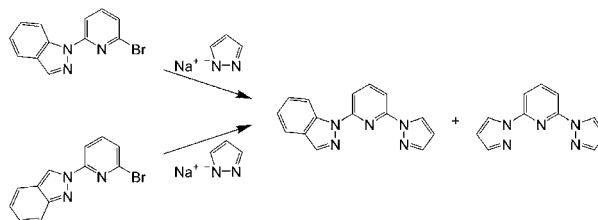
pp 2481–2483

Camilo E. Quevedo, Vassilios Bavetsias*, Edward McDonald*

**Unexpected product distributions in the synthesis of 2,6-bis-(indazolyl)pyridine and 2-(pyrazol-1-yl)-6-(indazolyl)pyridine**

pp 2484–2486

Ruth Pritchard, Colin A. Kilner, Malcolm A. Halcrow*

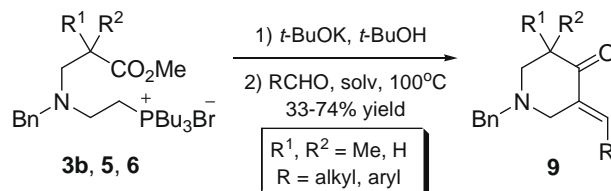


The synthesis of 2,6-bis-(indazolyl)pyridine, by reaction of 2 equiv of indazole anions with 2,6-dibromopyridine, leads to unexpectedly high levels of indazol-1-yl regioisomeric products. This, and the reaction shown, suggests that both the indazolyl and bromo groups undergo nucleophilic substitution under these conditions.

**Synthesis of 3-alkylidene-piperidin-4-ones via one-pot cascade transylation–olefination**

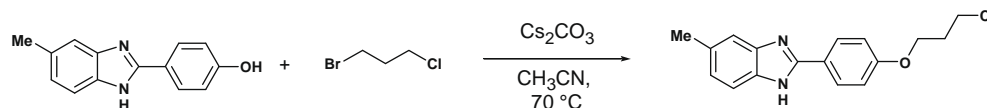
pp 2487–2489

Bing Wang*

**Selective phenol alkylation for an improved synthesis of 2-arylbenzimidazole H₄ receptor ligands**

pp 2490–2492

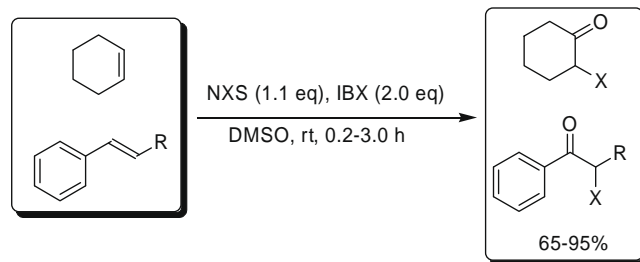
Brad M. Savall*, Jill R. Fontimayor, James P. Edwards



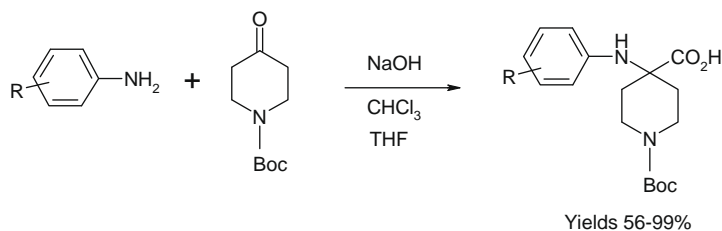
Conditions for selective O-alkylation of a phenol OH in the presence of a benzimidazole NH are described.

An expedient protocol for conversion of olefins to α -bromo/iodoketones using IBX and NBS/NIS

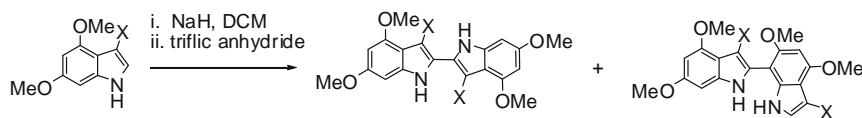
pp 2493–2496

Jarugu Narasimha Moorthy ^{*}, Kalyan Senapati, Nidhi Singhal**Aromatic amines as nucleophiles in the Bargellini reaction**

pp 2497–2500

Ken J. Butcher ^{*}, Jenny Hurst**Reactions of electron-rich indoles with triflic anhydride**

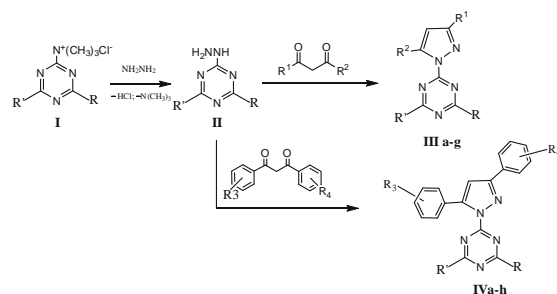
pp 2501–2504

Nageshwar R. Yepuri, Rachada Haritakul, Paul A. Keller ^{*}, Brian W. Skelton, Allan H. White

The reaction of electron-rich 3-aryl-substituted 4,6-dimethoxyindoles in the presence of base with triflic anhydride results in biaryl coupling producing both 2,2'- and 2,7'-biindoles. Further, if acetone is present, the corresponding vinyl triflate is formed and subsequent reaction yields the known indolylpyrroloindoles and dimeric spiroindoles. This is the first reported synthesis of these compounds under basic conditions.

Synthesis and structure of new 1,3,5-triazine-pyrazole derivatives

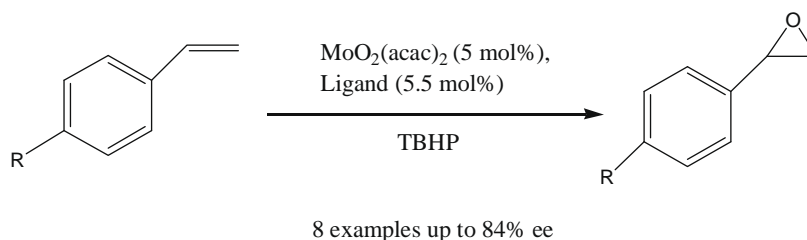
pp 2505–2508

Svetlana N. Mikhaylichenko ^{*}, Saurabh M. Patel, Shadi Dalili, Aleksey A. Chesnyuk, Vladimir N. Zaplishny ^{*}

Asymmetric epoxidation of styrenes catalyzed by molybdenum complexes with amino alcohol ligands

pp 2509–2511

Yi Wang, Zhiqing Wu, Zhengkai Li, Xiang-Ge Zhou *

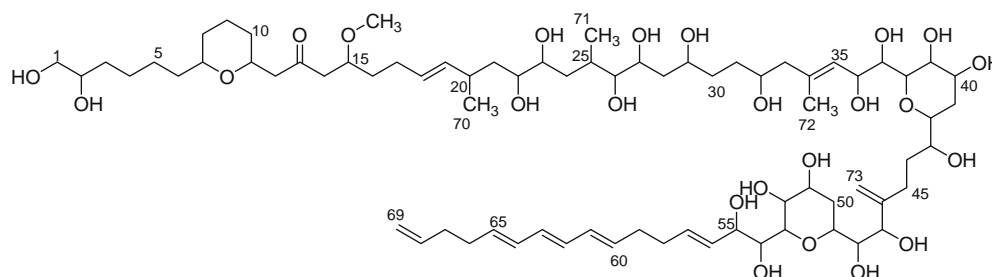


Two chiral amino alcohols and their derivatives have been screened to coordinate with molybdenum ion to form in situ catalysts for asymmetric epoxidation of styrenes with up to 78% yield and 84% ee for 4-fluoro-styrene.

Carteraol E, a potent polyhydroxyl ichthyotoxin from the dinoflagellate *Amphidinium carterae*

pp 2512–2515

Shin-Jong Huang, Chih-Ming Kuo, Ying-Chih Lin, Yi-Min Chen, Chung-Kuang Lu *

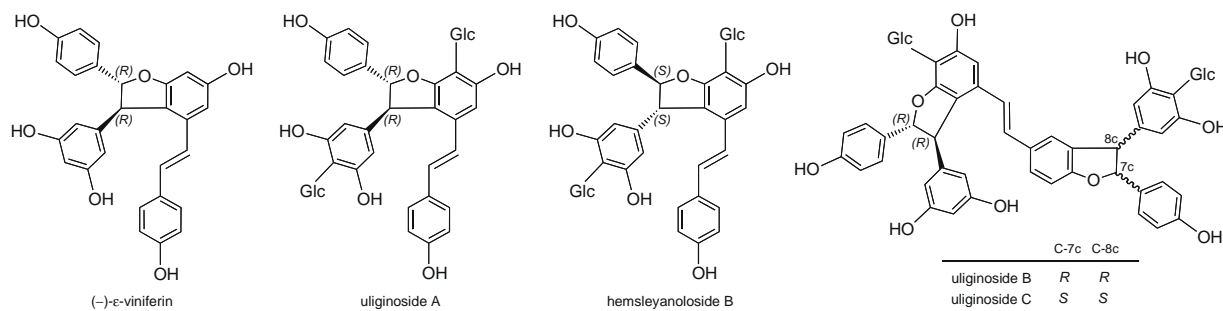


Carteraol E, a potent polyhydroxyl ichthyotoxin, was isolated from a marine dinoflagellate *Amphidinium carterae*.

Absolute structures of C-glucosides of resveratrol oligomers from *Shorea uliginosa*

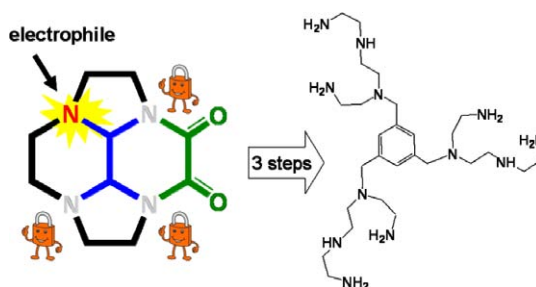
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Tetsuro Ito *, Naohito Abe, Masayoshi Oyama, Munekazu Iinuma

**Selective mono-N-alkylation of triethylenetetraamine. A new versatile route to polylinear aza-ligands**

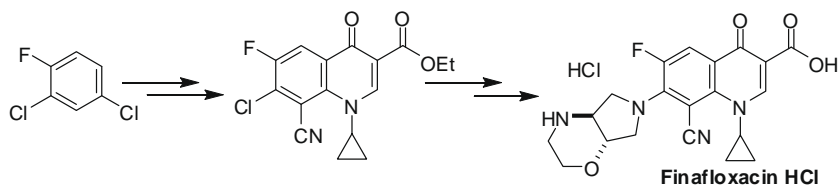
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Anne-Sophie Delépine, Raphaël Tripièr *, H el ene Bernard, Nathalie Le Bris, Henri Handel

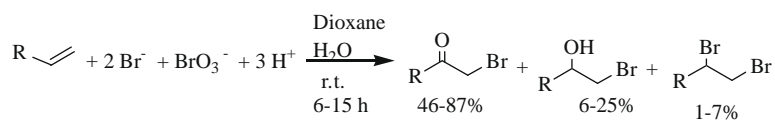


A novel approach to Finafloxacin hydrochloride (BAY35-3377)

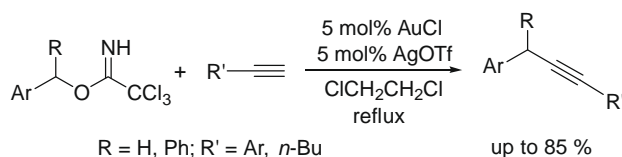
pp 2525–2528

Jian Hong ^{*}, Zonghua Zhang, Huoxing Lei, Haiying Cheng, Yufang Hu, Wanliang Yang, Yinglin Liang, Debasis Das, Shu-Hui Chen, Ge Li**Facile one-pot synthesis of α -bromoketones from olefins using bromide/bromate couple as a nonhazardous brominating agent**

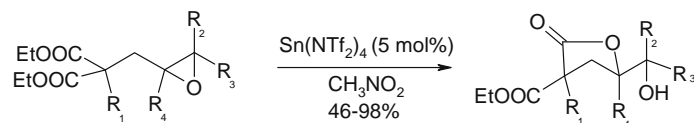
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Rajendra D. Patil, Girdhar Joshi, Subbarayappa Adimurthy ^{*}, Brindaban C. Ranu ^{*}R = Aryl, CH_3 -(CH_2)_n- (n = 3-15), Cyclic, etc**Gold(I)-catalyzed arylmethylation of terminal alkynes**

pp 2533–2535

Changkun Li, Weibin Li, Jianbo Wang ^{*}**Tin(IV) triflimidate-catalyzed cyclization of epoxy esters to functionalized δ -hydroxy- γ -lactones**

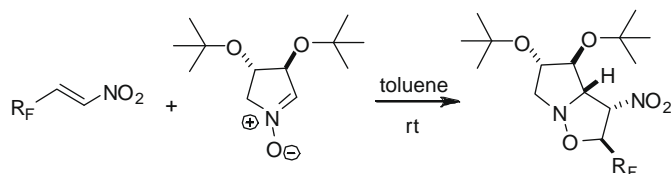
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Sylvain Antoniotti, Elisabet Duñach ^{*}

Functionalized fluoroalkyl heterocycles by 1,3-dipolar cycloadditions with γ -fluoro- α -nitroalkenes

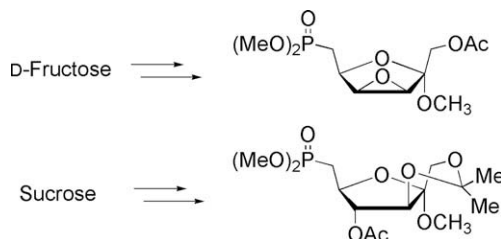
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Serena Bigotti, Luciana Malpezzi, Marco Molteni, Andrea Mele, Walter Panzeri, Matteo Zanda *

**Facile synthesis of core intermediates toward sialyl nucleoside mimetics**

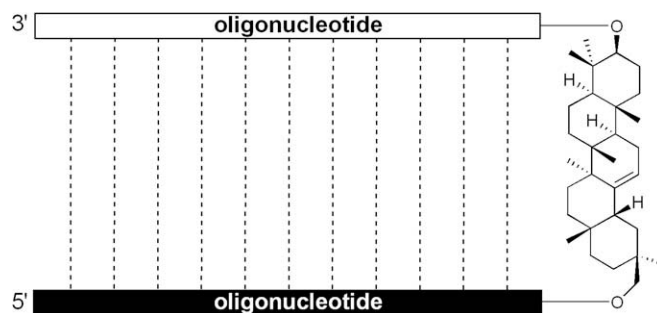
pp 2543–2544

Hyeok Beom Kwon, Mark von Itzstein, Kang-Yeoun Jung *

**Synthesis of hairpin siRNA using 18 β -glycyrrhetic acid derivative as a loop motif**

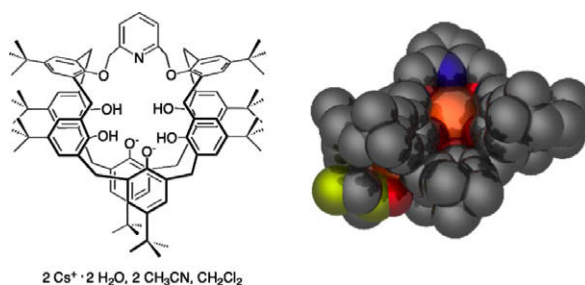
pp 2545–2547

Eun-Kyoung Bang, Byeang Hyeon Kim *

**Synthesis of 1,5-(2,6-dimethylpyridyl)-calix[8]arene: solid-state structure of its dicesium complex**

pp 2548–2551

David J. Hernández, Ivan Castillo *

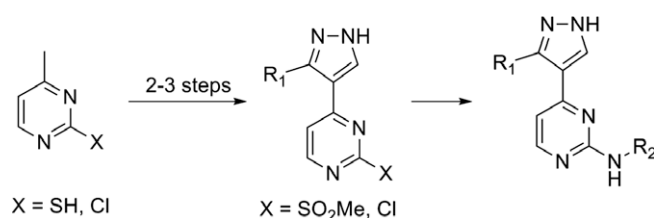


Introduction of a 2,6-dimethylpyridyl group to *p*-*tert*-butylcalix[8]arene results in the 1,5-bridged derivative. The nitrogen-containing macrocycle acts as a ligand toward Cs⁺ ions, allowing the structural characterization of the dicesium complex.

Chemically enabled synthesis of 2-amino-4-heteroarylpyrimidines

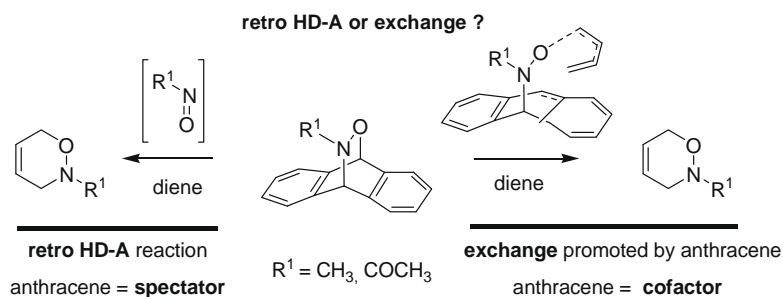
pp 2552–2554

Paul S. Humphries *, Quyen-Quyen T. Do, David M. Wilhite

**Is anthracene cofactor or spectator for the thermolysis of anthracenyl acylnitroso cycloadducts in the presence of a diene?**

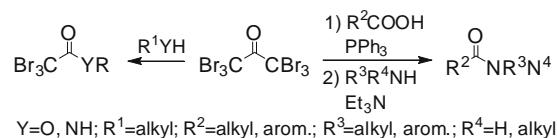
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Jean-Christophe Monbaliu *, Jacqueline Marchand-Brynaert, Daniel Peeters

**Hexabromoacetone as tribromoacetylating agent of alcohols and amines and as mediator in the conversion of carboxylic acids into amides in the presence of triphenylphosphine**

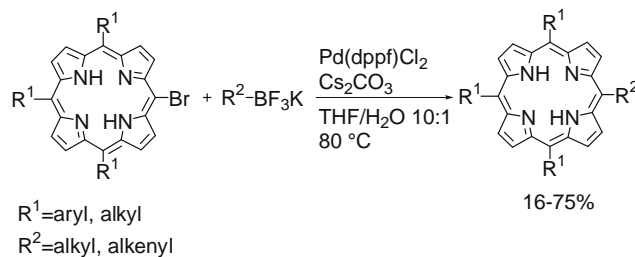
pp 2559–2561

Fabrício G. Menezes, Rosane Kolling, Adailton J. Bortoluzzi, Hugo Gallardo *, César Zucco *

**Exploration of the reaction of potassium organotrifluoroborates with porphyrins**

pp 2562–2565

Sabine Horn, Bob Cundell, Mathias O. Senge *

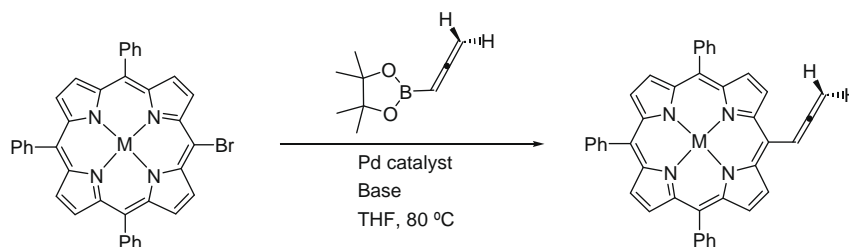


An investigation of a general method which uses potassium organotrifluoroborates in the Suzuki–Miyaura cross-coupling reaction with ring-brominated porphyrins is described.

Allenylporphyrins: a new motif on the porphyrin periphery

pp 2566–2569

Oliver B. Locos, Katja Dahms, Mathias O. Senge *

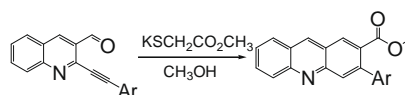


Palladium-catalysed Suzuki–Miyaura cross-coupling is the simplest and most efficient method for attaching an unsubstituted allene, a novel substituent and potential functional group, to the porphyrin periphery.

A novel and simple benzannulation reaction using the potassium salt of methyl mercaptoacetate for the synthesis of 3-aryl-2-methoxycarbonylacridines

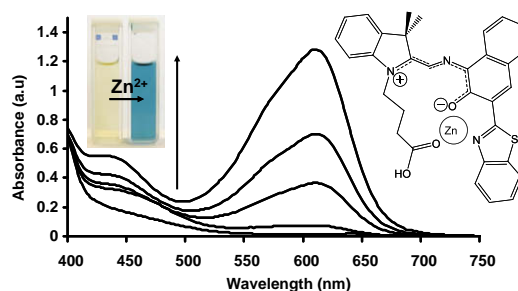
pp 2570–2572

Inga Cikotiene *

**Novel synthesis and characterisation of 3,3-dimethyl-5'-(2-benzothiazolyl)-spironaphth(indoline-2,3'-[3H]naphth[2,1-b][1,4]oxazine) derivatives**

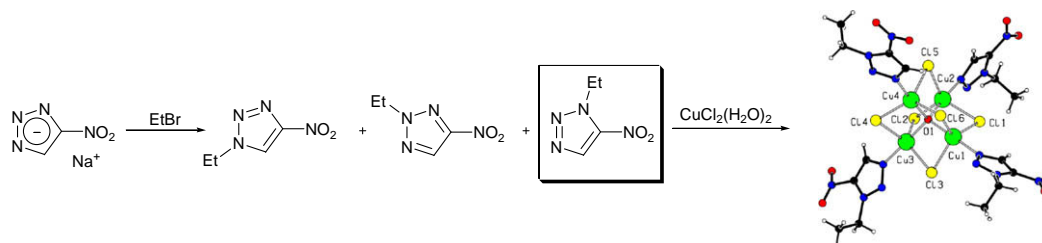
pp 2573–2576

Nameer Alhashimy, Robert Byrne, Stela Minkovska, Dermot Diamond *

**N-Alkylation of 4-nitro-1,2,3-triazole revisited. Detection and characterization of the N3-ethylation product, 1-ethyl-5-nitro-1,2,3-triazole**

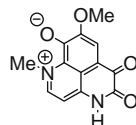
pp 2577–2579

Sergei V. Voitekhovich *, Pavel N. Gaponik, Alexander S. Lyakhov, Juliya V. Filipova, Anna G. Sukhanova, Gennady T. Sukhanov, Oleg A. Ivashkevich

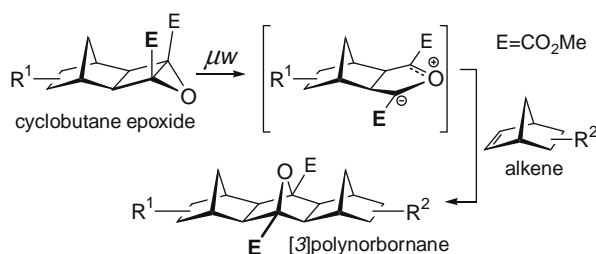


Aptanone, a novel zwitterionic metabolite of the aptamine class with an oxygenated 1,6-naphthyridine core from the Vietnamese marine sponge *Aaptos aaptos*

pp 2580–2582

Natalia K. Utkina ^{*}, Vladimir A. Denisenko, Mikhail A. Pushilin
Microwave-accelerated 1,3-dipolar cycloaddition for the formation of fused [n]polynorbornanes

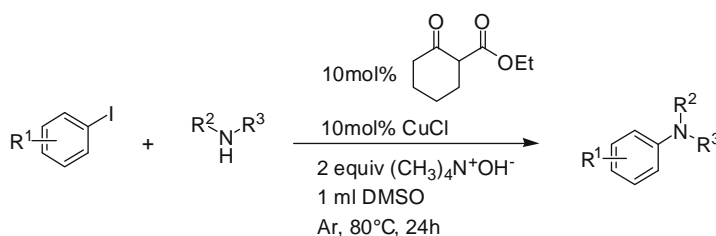
pp 2583–2584

Richard C. Foitzik, Adam J. Lowe, Frederick M. Pfeffer ^{*}

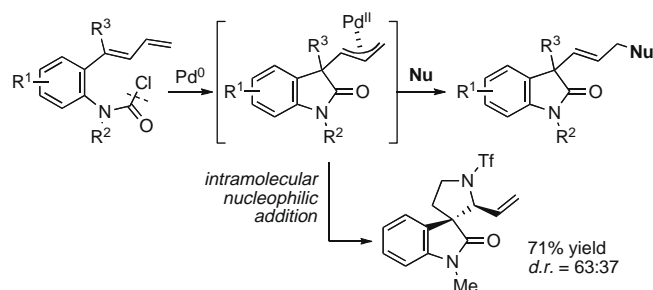
Microwave irradiation induces the 1,3-dipolar cycloaddition of cyclobutane epoxides with norbornenes to afford various [n]polynorbornane scaffolds. Greatly enhanced reaction rates and significantly reduced levels of decomposition were observed.

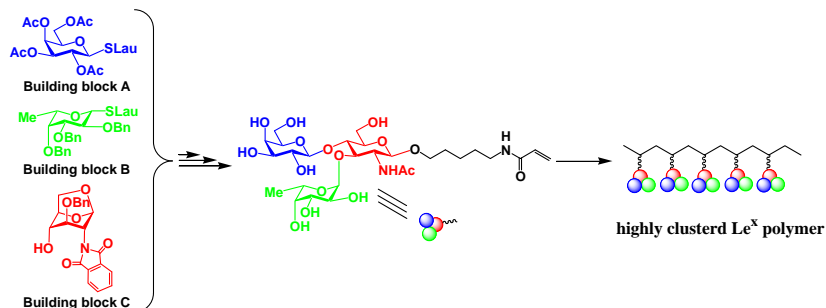

CuCl-catalyzed formation of C–N bond with a soluble base

pp 2585–2588

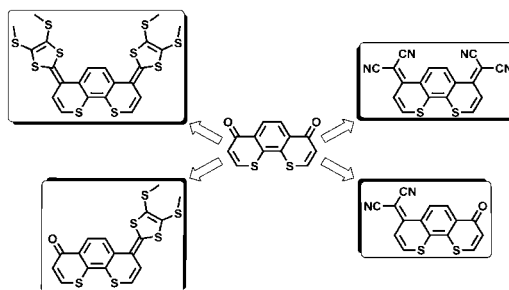
Yi-Si Feng, Qiu-Shi Man, Pan Pan, Zong-Qin Pan, Hua-Jian Xu ^{*}
Pd-catalyzed intramolecular amidation of 2-(buta-1,3-dienyl)phenylcarbamoyl chloride: a concise synthesis of spiro[indoline-3,3'-pyrrolidine]

pp 2589–2592

Haruhi Kamisaki, Yoshizumi Yasui, Yoshiji Takemoto ^{*}

Synthetic construction of a Le^x determinant via gabriel amine synthesis and the glycopolymer involving highly clustered Le^x residuesKoji Matsuoka ^{*}, Tatsuya Kohzu, Takashi Hakumura, Tetsuo Koyama, Ken Hatano, Daiyo Terunuma**TTF and TCNQ analogues derived from a new benzo-fused thiopyranil building block**

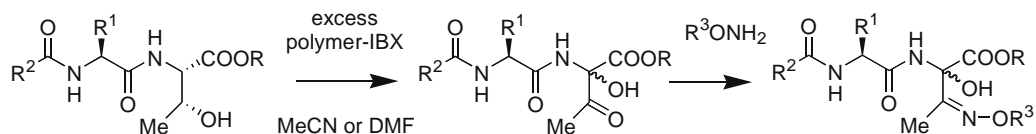
pp 2597–2600

Zhiming Duan, Zhongming Wei, Wei Xu ^{*}, Daoben Zhu ^{*}

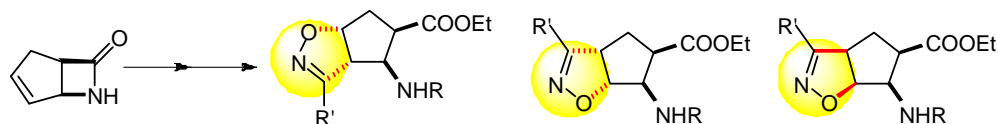
A class of TTF and TCNQ analogues have been synthesized from a new benzo-fused thiopyranil building block—thiopyrano[3,2-h]thiochromene-4,7-dione.

**Oxidation of threonine residues with IBX reagents**


pp 2601–2604

P. Manohari Abeysinghe, Yu Han, Margaret M. Harding ^{*}**Synthesis of novel isoxazoline-fused cispentacin stereoisomers**

pp 2605–2608

Loránd Kiss, Melinda Nonn, Enikő Forró, Reijo Sillanpää, Ferenc Fülöp ^{*}

*Corresponding author

 Supplementary data available via ScienceDirect

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