

Tetrahedron Letters Vol. 51, No. 9, 2010

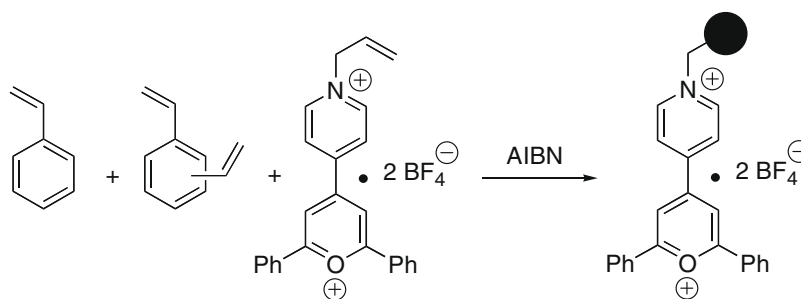
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COMMUNICATIONS

A new free and immobilized pyrygen electron transfer sensitizer

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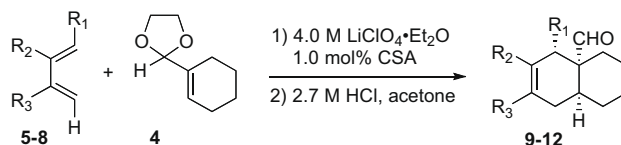
Tamer T. El-Idreesy^{*}, Edward L. Clennan^{*}



An ionic Diels–Alder route to *cis*-fused octalins containing an all-carbon quaternary stereocenter in an angular position

pp 1252–1253

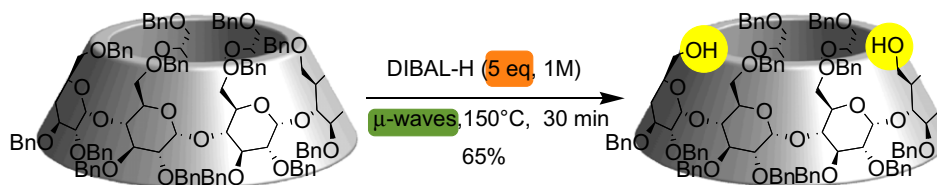
Jun Hee Lee^{*}, Woo Han Kim, Samuel J. Danishefsky^{*}



μ -Waves avoid large excesses of diisobutylaluminum-hydride (DIBAL-H) in the debenzoylation of perbenzylated α -cyclodextrin

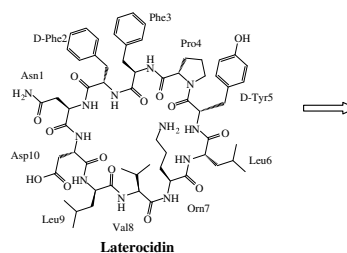
pp 1254–1256

Elena Zaborova, Yves Blériot, Matthieu Sollogoub^{*}



On-resin cyclization and antimicrobial activity of Laterocidin and its analogues

pp 1257–1261

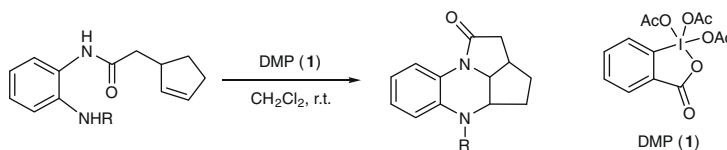
Chuanguang Qin^{*}, Chunlan Xu, Ruijie Zhang, Weining Niu, Xiaoya Shanglaterocidin: cyclo[-DLVOL^{(D)Y}PF^{(D)F}N-]

1. cyclo[-NLVOL^{(D)Y}PF^{(D)F}N-]
2. cyclo[-NLVOL^{(D)Y}PF^{(D)F}A-]
3. cyclo[-NLVOL^{(D)Y}PF^{(D)A}N-]
4. cyclo[-NLVOL^{(D)Y}PA^{(D)F}N-]
5. cyclo[-NLVOL^{(D)Y}AF^{(D)F}N-]
6. cyclo[-NLVOL^{(D)A}PF^{(D)F}N-]
7. cyclo[-NLVOLA^{(D)Y}PF^{(D)F}N-]
8. cyclo[-NLVAL^{(D)Y}PF^{(D)F}N-]
9. cyclo[-NLAOL^{(D)Y}PF^{(D)F}N-]
10. cyclo[-NAVOL^{(D)Y}PF^{(D)F}N-]
11. cyclo[-ALVOL^{(D)Y}PF^{(D)F}N-]

Total synthesis of naturally occurring Laterocidin and its alanine-scanning analogues with the side chain carboxyl group of Aspartate linked to Rink resin, and the α -carboxyl group of Aspartate protected by Dmbp group as a temporary blocking group for on-resin head-to-tail cyclization of the linear precursor is reported.

**Expedient access to fused quinoxalines via Dess–Martin periodinane-mediated cyclization of unsymmetrical phenylenediamide derivatives**

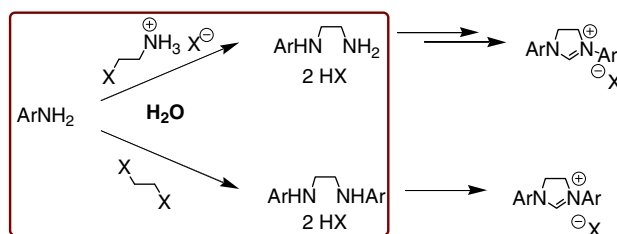
pp 1262–1264

Cristian Dobrotă^{*}, Jonathan Graeupner, Ioana Dumitru, Mihaela Matache, Codruta C. Paraschivescu

One-pot cyclization of various 2-*N*-amido-homoallylanilides mediated by 4 equiv of Dess–Martin periodinane produced pyrrolo[1,2-*a*]quinoxalines (11 different examples, up to 93% yield).

**Synthesis of 1,2 diamines under environmentally benign conditions: application for the preparation of imidazolidiniums**

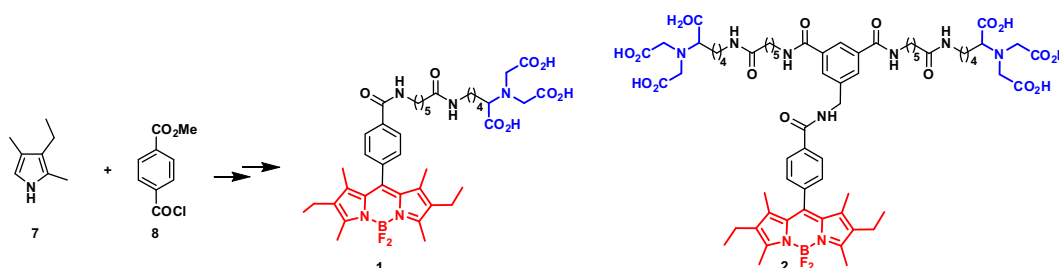
pp 1265–1268

Stéphane P. Roche, Marie-Laure Teyssot, Arnaud Gautier^{*}

A rapid access to 1,2-diamines, as precursors of imidazolidiniums is reported.

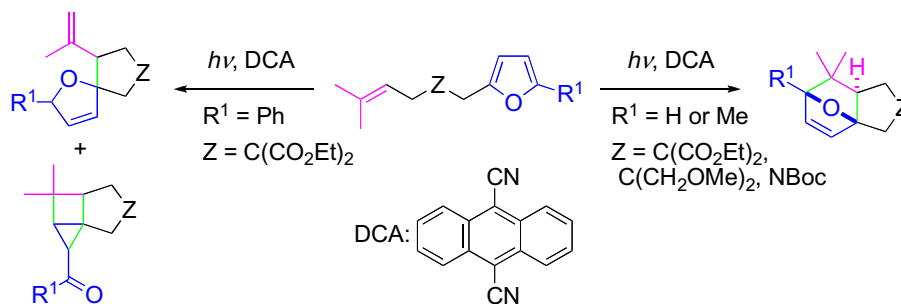
**Convenient synthesis of water-soluble nitrilotriacetic acid (NTA) BODIPY dyes**

pp 1269–1272

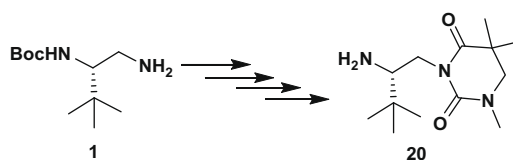
Marie Brellier, Guy Duportail, Rachid Baati^{*}

Photosensitized intramolecular cyclization of furan and non-activated alkene: pathway switching by the substituent on the furan ring

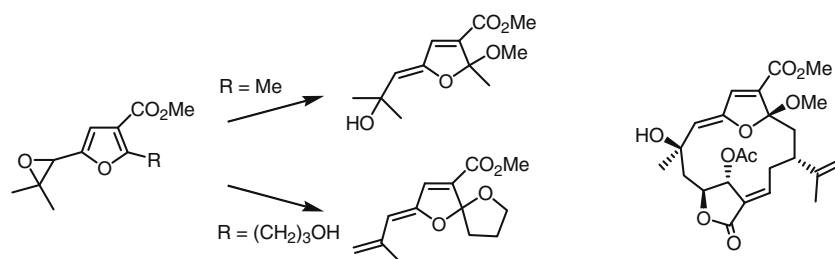
pp 1273–1275

Noriyoshi Arai^{*}, Koichiro Tanaka, Takeshi Ohkuma^{*}**Synthesis of sterically hindered 3,5,5-trimethyl 2,6-dioxo tetrahydro pyrimidine as HCV protease inhibitors**

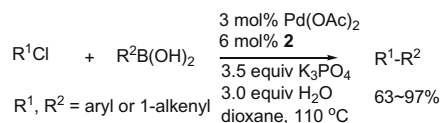
pp 1276–1279

Latha G. Nair^{*}, Stephane Bogen, Ronald J. Doll, N.-Y. Shih, F. George Njoroge**Synthesis of *exo* enol ether-cyclic ketal isomers of substituted furanmethanol structures related to marine furanocembranoids**

pp 1280–1283

Yi Li, Gerald Pattenden^{*}, Joseph Rogers**Application of a readily available and air stable monophosphine HBF_4 salt for the Suzuki coupling reaction of aryl or 1-alkenyl chlorides**

pp 1284–1286

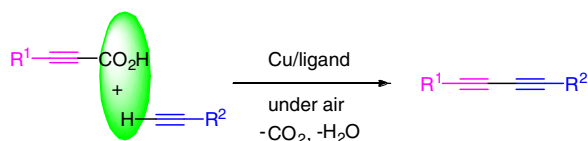
Bo Lü, Chunling Fu, Shengming Ma^{*}

In this Letter, a readily available monophosphine HBF_4 salt was applied for the Suzuki coupling reactions of aryl or 1-alkenyl boronic acids with different organic chlorides to afford the cross-coupling products in high to excellent yields. The reaction is also applicable to sterically hindered cases.



Copper-catalyzed decarboxylative cross-coupling of propiolic acids and terminal alkynes

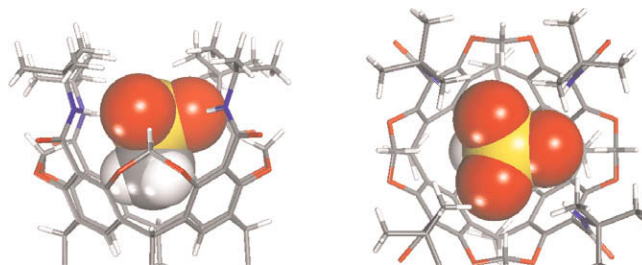
pp 1287–1290

Miao Yu^{*}, Delin Pan, Wei Jia, Wei Chen, Ning Jiao^{*}

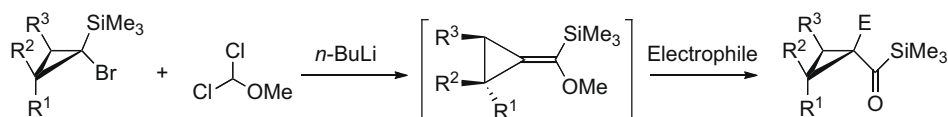
A copper-catalyzed decarboxylative cross-coupling reaction of propiolic acids with terminal alkynes is developed leading to unsymmetric 1,3-conjugated diynes under mild conditions. This method provides a novel decarboxylative cross-coupling for sp–sp bond formation. Compared to organic halides, only carbon dioxide is produced as by-products in this approach.

**Tetramidocavitand: strong anion receptor by well-organized four $-(C=O)N-H \cdots X^-$ interactions**

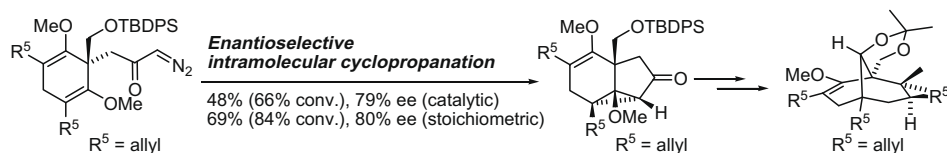
pp 1291–1293

Nak Shin Jung, Jaeok Lee, Sang Beom Choi, Jaheon Kim, Kyungsoo Paek^{*}**The reaction of 1-silylcyclopropyl anions with dichloromethyl methyl ether: the efficient synthesis of cyclopropyl silyl ketones via cyclopropylidene derivatives**

pp 1294–1297

Toshiaki Nishizawa, Kenta Nakae, Mitsunori Honda^{*}, Ko-Ki Kunimoto, Masahito Segi^{*}**Synthetic studies on nemorosone via enantioselective intramolecular cyclopropanation**

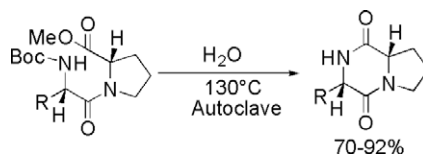
pp 1298–1302

Masahito Abe, Aya Saito, Masahisa Nakada^{*}

An efficient green synthesis of proline-based cyclic dipeptides under water-mediated catalyst-free conditions

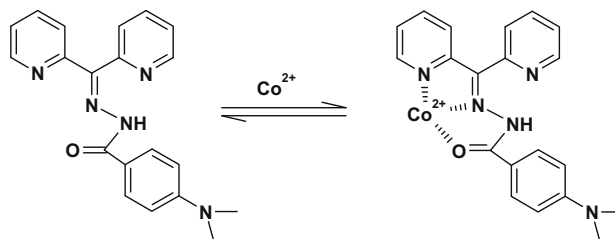
pp 1303–1305

Habeebullah Thajudeen, Kyungseok Park, Surk-Sik Moon, In Seok Hong*

**A simple internal charge transfer probe offering dual optical detection of Co (II) via color and fluorescence modulations**

pp 1306–1308

Sabir H. Mashraqui*, Mukesh Chandiramani, Rupesh Betkar, Kiran Poonia

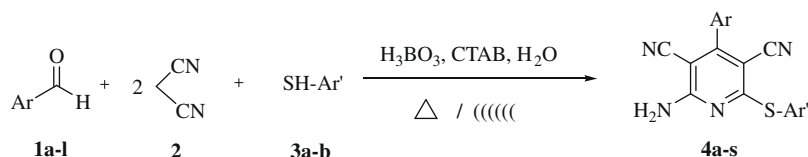


The reported probe selectively targets Co^{2+} via color modulation and high fluorescence intensity enhancement under the buffer condition. From the photophysical studies, the binding interactions follow the order, $\text{Co}^{2+} > \text{Cu}^{2+} > \text{Zn}^{2+} > \text{Cd}^{2+} \gg \text{Ba}^{2+} \approx \text{Ca}^{2+} \approx \text{Mg}^{2+} \approx \text{K}^+ \approx \text{Na}^+ \approx \text{Li}^+$.

**Boric acid catalyzed convenient synthesis of 2-amino-3,5-dicarbonitrile-6-thio-pyridines in aqueous media**

pp 1309–1312

Pravin V. Shinde, Swapnil S. Sonar, Bapurao B. Shingate, Murlidhar S. Shingare*

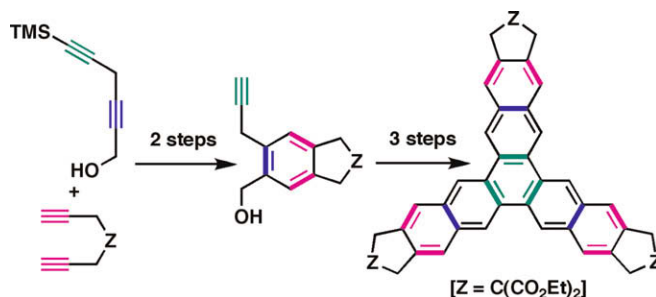


A one-pot three-component condensation of an aldehyde, malononitrile, and thiophenol has been achieved by conventional and ultrasound method. The reaction was catalyzed by boric acid in aqueous medium. This protocol afforded corresponding 2-amino-3,5-dicarbonitrile-6-thio-pyridines in shorter reaction times and high yields with the green aspects by avoiding toxic catalysts and solvents.

Synthesis of substituted anthracenes, pentaphenes and trinaphthylenes via alkyne-cyclotrimerization reaction

pp 1313–1316

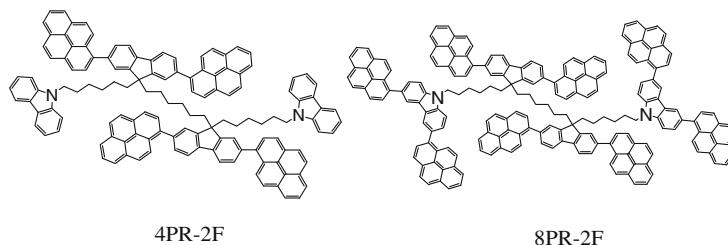
Naoko Saino, Tsuyoshi Kawaji, Taichi Ito, Yuko Matsushita, Sentaro Okamoto*



Novel substituted anthracene derivatives including annulated pentaphenes and trinaphthylenes were synthesized through alkyne [2+2+2] cycloaddition as a key reaction.

Highly fluorescent intramolecular *dimers* of two pyrenyl-substituted fluorenes bridged by 1,6-hexan-2-yl: synthesis, spectroscopic, and self-organized properties

pp 1317–1321

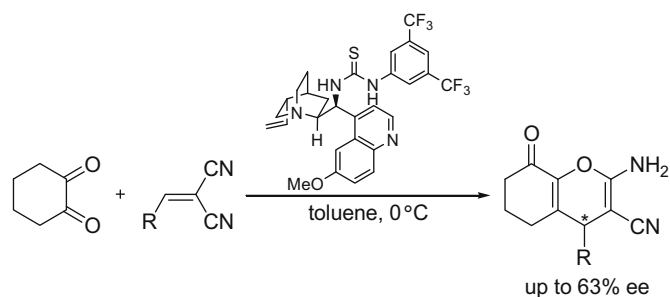
Chao He, Qingguo He^{*}, Qing Chen, Liqi Shi, Huimin Cao, Jiangong Cheng^{*}, Changmin Deng, Tong Lin

Two intramolecular fluorene *dimers* (structure as illustrated) have been synthesized, and they both have shown very high fluorescent efficiency, can self-organize into spherical particles from solutions due to evaporation of the solvent.



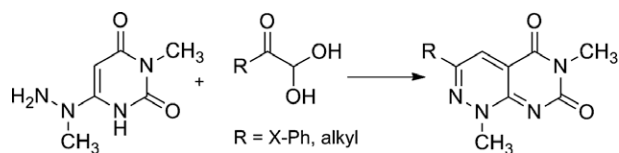
Organocatalyzed synthesis of 2-amino-8-oxo-5,6,7,8-tetrahydro-4*H*-chromene-3-carbonitriles

pp 1322–1325

Derong Ding, Cong-Gui Zhao^{*}

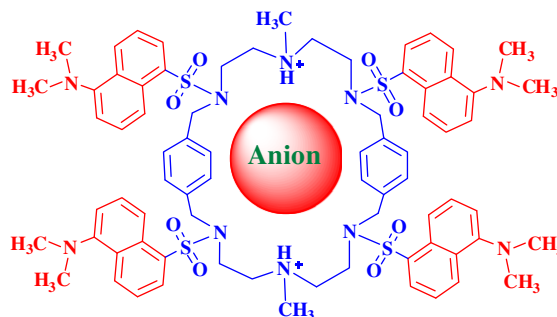
A novel synthesis of 3-(substituted)pyrimido[4,5-*c*]pyridazine-5,7(1*H*,6*H*)-diones

pp 1326–1328

Anjanette J. Turbiak, Jeff W. Kampf, H. D. Hollis Showalter^{*}

Rational design of a macrocycle-based chemosensor for anions

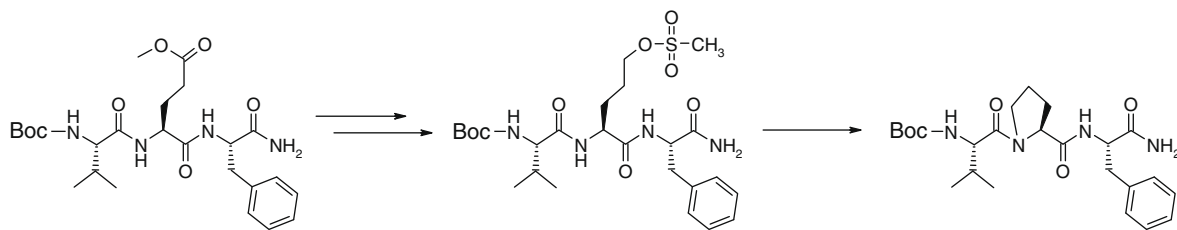
pp 1329–1332

Kalpana R. Dey, Bryan M. Wong, Md. Alamgir Hossain^{*}

Facile transformation of glutamic acid into proline residue inside a tripeptide backbone

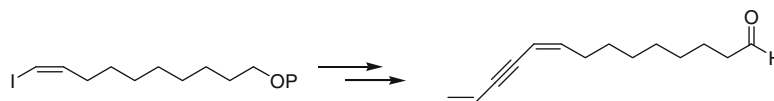
pp 1333–1335

Adriano Mollica, Azzurra Stefanucci, Federica Feliciani, Domenica Torino, Ivana Cacciatore, Francesco Pinnen, Gino Lucente*

**Improved synthesis of (9Z)-9,13-tetradecadien-11-ynal, the sex pheromone of the avocado seed moth, *Stenoma catenifer***

pp 1336–1337

Yunfan Zou, Jocelyn G. Millar*

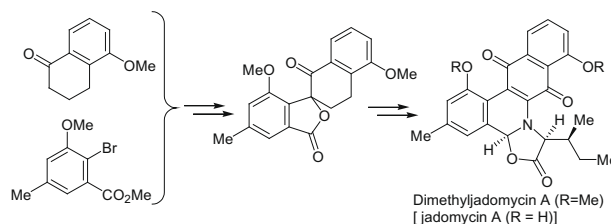


The terminal dienyne of the title compound was constructed efficiently by Sonogashira coupling of a vinyl iodide precursor with vinyl acetylene.

Synthetic studies on jadomycins: synthesis of dimethyljadomycin A

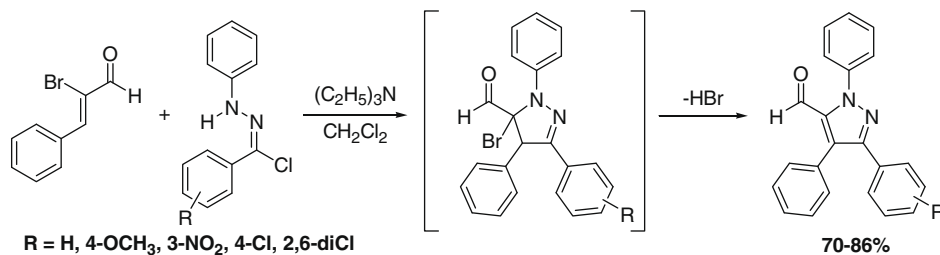
pp 1338–1340

Yuhsuke Akagi, Shin-ichiro Yamada, Natsuno Etomi, Takuya Kumamoto, Waka Nakanishi, Tsutomu Ishikawa*


Dimethyljadomycin A was synthesized as the first example for the construction of 8*H*-benzo[*b*]oxazolo[3,2-*f*]phenanthridine skeleton.**Synthesis of novel pyrazoles via [2+3]-dipolar cycloaddition using alkyne surrogates**

pp 1341–1343

Sureshbabu Dadiboyena, Edward J. Valente, Ashton T. Hamme II*



*Corresponding author

 Supplementary data available via ScienceDirect

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