



Tetrahedron Vol. 66, Issue 35, 2010

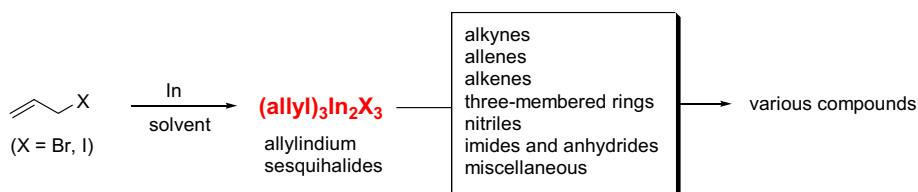
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REPORT

Recent advances in allylindium reagents in organic synthesis

pp 7065–7076

Sung Hwan Kim, Hyun Seung Lee, Ko Hoon Kim, Se Hee Kim, Jae Nyoung Kim*

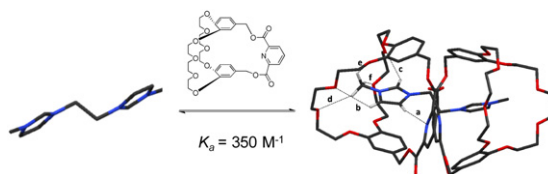


ARTICLES

1,2-Bis[*N*-(*N*-alkylimidazolium)]ethane salts as new guests for crown ethers and cryptands

pp 7077–7082

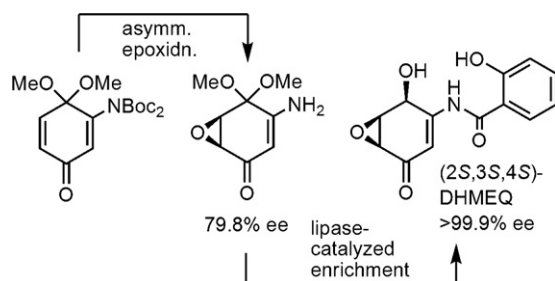
Minjae Lee, Zhenbin Niu, Daniel V. Schoonover, Carla Slebodnick, Harry W. Gibson*



Chemoenzymatic synthesis of (2S,3S,4S)-form, the physiologically active stereoisomer of dehydroxymethylepoxyquinomicin (DHMEQ), a potent inhibitor on NF- κ B

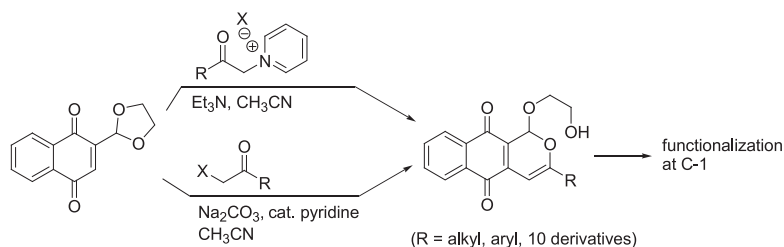
pp 7083–7087

Manabu Hamada, Yukihiko Niitsu, Chihiro Hiraoka, Ikuko Kozawa, Toshinori Higashi, Mitsuru Shoji, Kazuo Umezawa*, Takeshi Sugai*


Short synthesis of functionalized pentalongin derivatives using pyridinium ylid chemistry

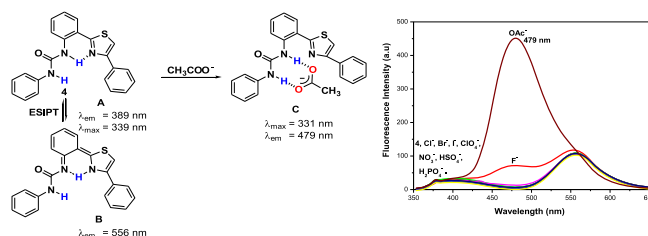
pp 7088–7096

Pieter Claes, Jan Jacobs, Sven Claessens, Norbert De Kimpe*


Thiazole-based chemosensor III: synthesis and fluorescence sensing of CH_3CO_2^- based on inhibition of ESIPT

pp 7097–7103

Aasif Helal, Hong-Seok Kim*

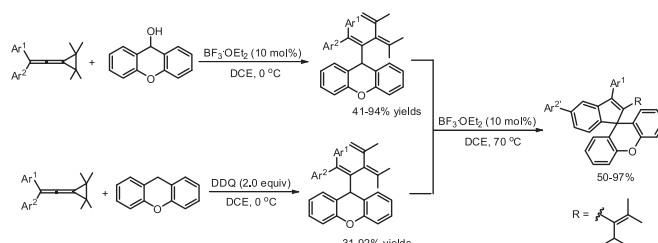


Novel fluorogenic sensors based on urea derivative of 2-(2'-aminophenyl)-4-phenylthiazole were prepared and used for recognition of anions with similar basicity and surface charge density. Chemosensor **4** was found to be highly selective to acetate ion over other anions. The mechanism of fluorescence was based on the anion-induced inhibition of excited-state intramolecular proton transfer (ESIPT).


Reactions of vinylidenecyclopropanes with xanthydrol and xanthene

pp 7104–7111

Wei Yuan, Min Shi*



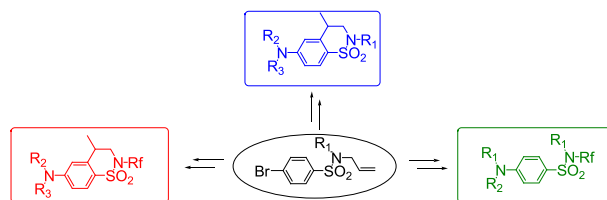
Vinylidenecyclopropanes undergo ring-opening reactions with xanthydrol in the presence of $\text{BF}_3 \cdot \text{OEt}_2$ or with xanthene in the presence of DDQ at 0 °C in 1,2-dichloroethane to give the corresponding conjugate triene derivatives in moderate to good yields and the further transformation of these trienes have been disclosed at the same time.



Supercritical mediated reactions applied to 4-aminobenzofused sultams and fluorinated 4-aminobenzene sulfonamides synthesis

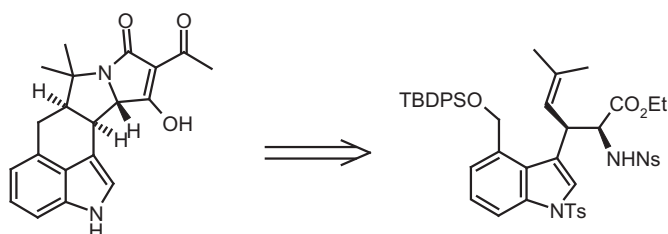
pp 7112–7118

Fei Liu, Neil Y. Musadji, Frédéric Lecornué, Marie-Paule Jouannetaud, Sébastien Thibaudeau*

**The Knight route to cyclopiiazonic acid: enantioselective synthesis of a key intermediate**

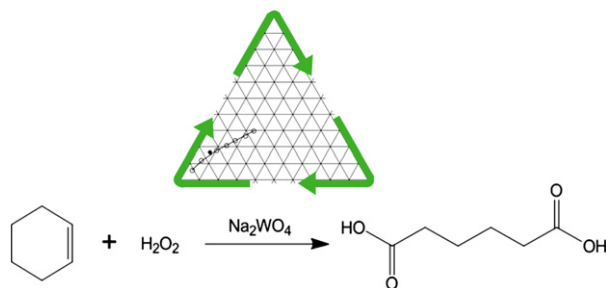
pp 7119–7123

Christian Beyer, Jürgen Scherkenbeck*, Frank Sondermann, Axel Figge

**Recyclable process for sustainable adipic acid production in microemulsions**

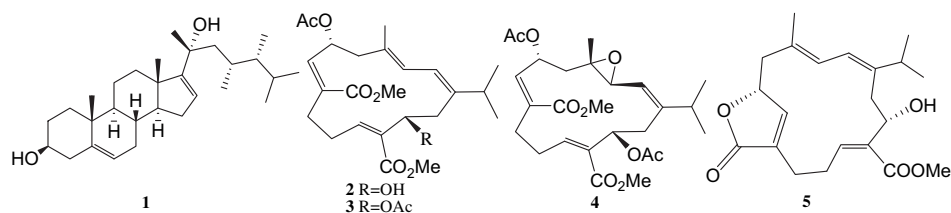
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Philippe Blach, Zebastian Böstrom, Sophie Franceschi-Messant, Armand Lattes, Emile Perez*, Isabelle Rico-Lattes

**Steroid and cembranoids from the Dongsha atoll soft coral *Lobophytum sarcophytoides***

pp 7129–7135

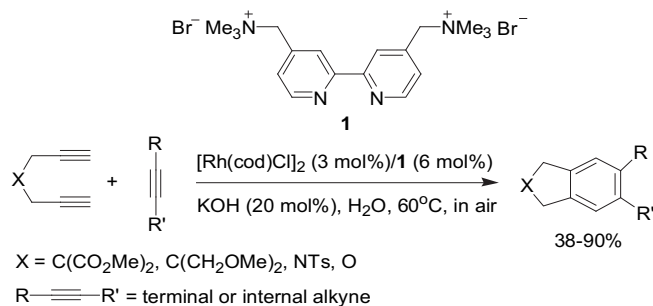
Yi Lu, You-Cheng Lin, Zhi-Hong Wen, Jui-Hsin Su, Ping-Jyun Sung, Chi-Hsin Hsu, Yao-Haur Kuo, Michael Y. Chiang, Chang-Feng Dai, Jyh-Horng Sheu*



Rhodium(I)/cationic 2,2'-bipyridyl-catalyzed [2+2+2] cycloaddition of α,ω -diynes with alkynes in water under air

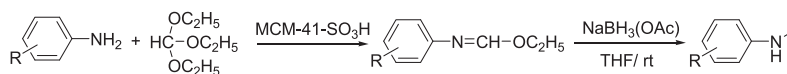
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Yun-Hua Wang, Shao-Hsien Huang, Tze-Chiao Lin, Fu-Yu Tsai*


A facile protocol for the synthesis of mono-*N*-methyl anilines via formimidate intermediates

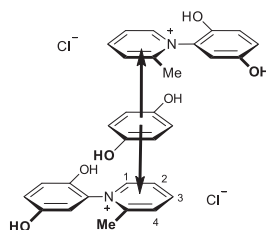
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Nan Sun, Shuai Wang, Weimin Mo*, Baoxiang Hu, Zhenlu Shen, Xinquan Hu*


Intermolecular interactions of punicin derivatives

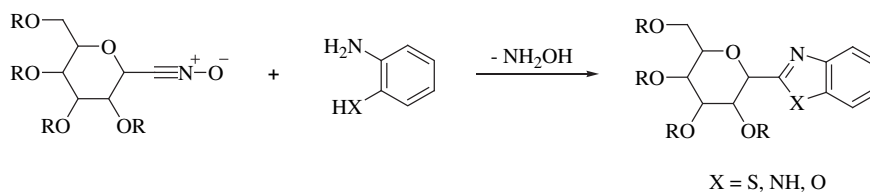
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Marcel Albrecht, Mimoza Gjokaj, Andreas Schmidt*


Synthesis of 2-pyranosyl benzothiazoles, benzimidazoles and benzoxazoles via nucleophilic addition reactions of pyranosyl nitrile oxides

pp 7155–7160

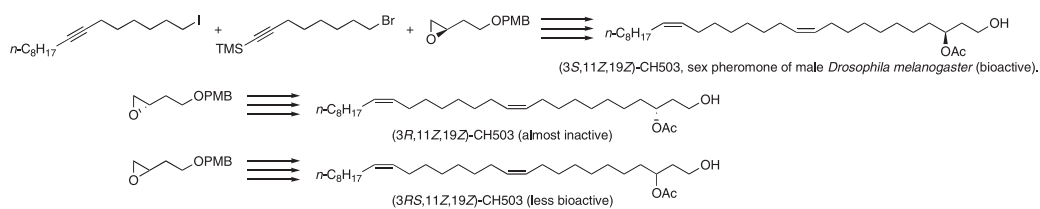
Iain A.S. Smellie, Andreas Fromm, Francesca Fabbiani, Iain D.H. Oswald, Fraser J. White, R. Michael Paton*



Pheromone synthesis. Part 244: Synthesis of the racemate and enantiomers of (11Z,19Z)-CH503 (3-acetoxy-11,19-octacosadien-1-ol), a new sex pheromone of male *Drosophila melanogaster* to show its (S)-isomer and racemate as bioactive

pp 7161–7168

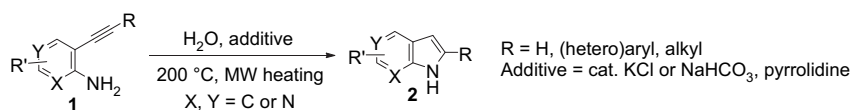
Kenji Mori*, Yasumasa Shikichi, Shruti Shankar, Joanne Y. Yew*



Microwave-assisted synthesis of indole- and azaindole-derivatives in water via cycloisomerization of 2-alkynylanilines and alkynylpyridinamines promoted by amines or catalytic amounts of neutral or basic salts

pp 7169–7178

Adriano Carpita, Arianna Ribecai*, Paolo Stabile



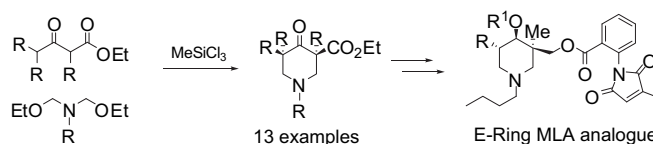
An efficient methodology is described for the preparation of differently substituted 1*H*-indoles and 1*H*-azaindoles via microwave-assisted cycloisomerization in water of 2-alkynylanilines and alkynylpyridinamines, promoted by catalytic amounts of neutral or basic salts or by weak organic bases.



A double Mannich approach to the synthesis of substituted piperidones—application to the synthesis of substituted E-ring analogues of methylcaconitine

pp 7179–7191

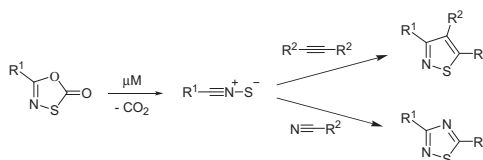
Yinman Chan, Jared Balle, J. Kevin Sparrow, Peter D.W. Boyd, Margaret A. Brimble, David Barker*



Microwave-induced generation and reactions of nitrile sulfides: an improved method for the synthesis of isothiazoles and 1,2,4-thiadiazoles

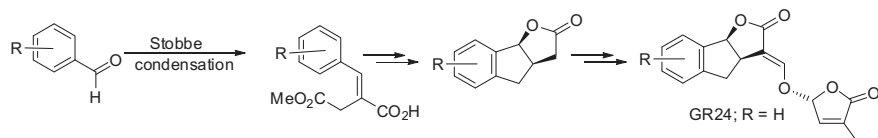
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Euan A.F. Fordyce, Angus J. Morrison, Robert D. Sharp, R. Michael Paton*



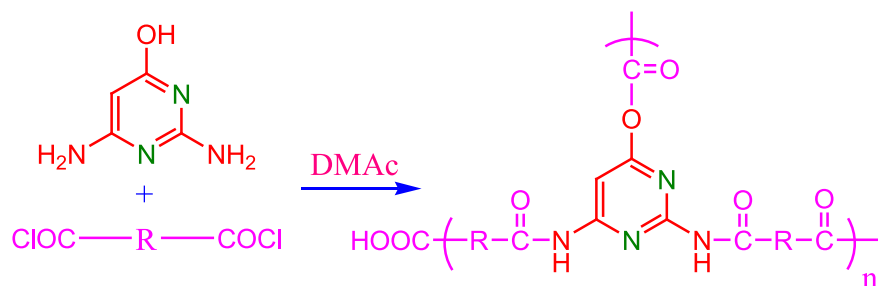
A new efficient synthesis of GR24 and dimethyl A-ring analogues, germinating agents for seeds of the parasitic weeds *Striga* and *Orobancha* spp. pp 7198–7203

Heetika Malik, Floris P.J.T. Rutjes*, Binne Zwanenburg*



Pyrimidine based carboxylic acid terminated aromatic and semiaromatic hyperbranched polyamide-esters: synthesis and characterization pp 7204–7212

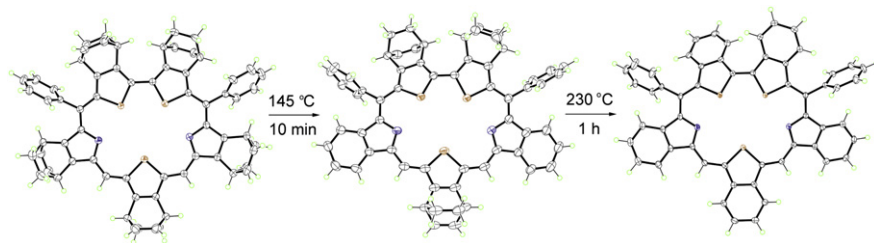
Saima Shabbir, Sonia Zulfiqar, Zahoor Ahmad, Muhammad Ilyas Sarwar*



Synthesis and properties of BCOD-fused trithiasapphyrin and trithiabenzosapphyrins

Tetsuo Okujima*, Tasuku Kikkawa, Saori Kawakami, Yusuke Shimizu, Hiroko Yamada, Noboru Ono, Hidemitsu Uno*

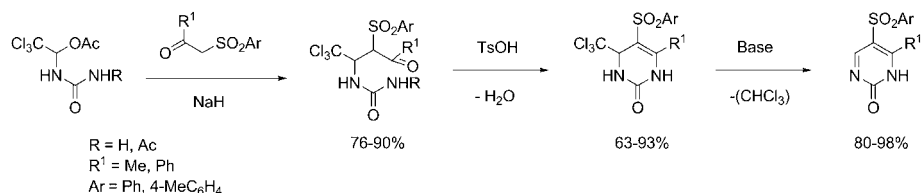
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New approach to 5-arylsulfonyl-substituted 1,2-dihydropyrimidin-2-ones via base-induced chloroform elimination from 4-trichloromethyl-1,2,3,4-tetrahydropyrimidin-2-ones

Anastasia A. Fesenko, Anatoly D. Shutalev*

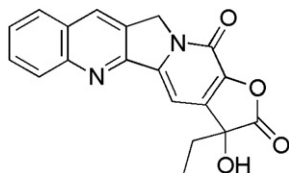
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Total synthesis of (±)-17-norcamptothecin, a novel E-ring modified camptothecin

pp 7227–7231

Marie Devert, Cyrille Sabot, Pascale Giboreau, Jean-François Constant, Andrew E. Greene, Alice Kanazawa*



*Corresponding author

Supplementary data available via ScienceDirect

COVER

The cover figure shows an original recyclable process for sustainable synthesis of pure adipic acid by hydrogen peroxide oxidation of cyclohexene in microemulsions. These organized nano-structured media have been formulated in using the molecular economy principle, in the perspective of an industrial development.

Details can be found in Tetrahedron, **2010**, 66, 7124–7128.

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