



Tetrahedron Vol. 65, Issue 51, 2009

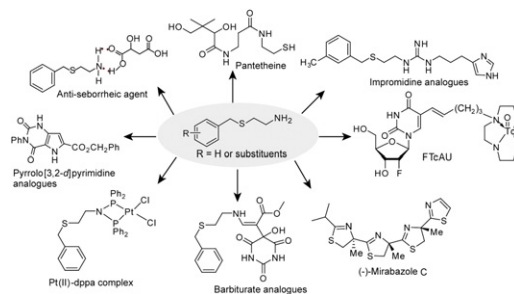
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REPORT

The syntheses and applications of β -benzylmercaptoethylamine derivatives

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Gregory P. Tochtrop, Sushabhan Sadhukhan, Rik Rani Koner, Subrata Ghosh*

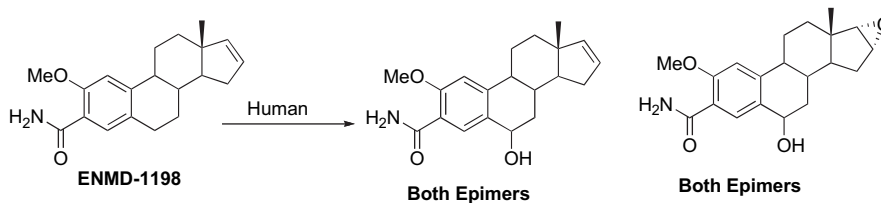


ARTICLES

Structure elucidation by synthesis of four metabolites of the antitumor drug ENMD-1198 detected in human plasma samples

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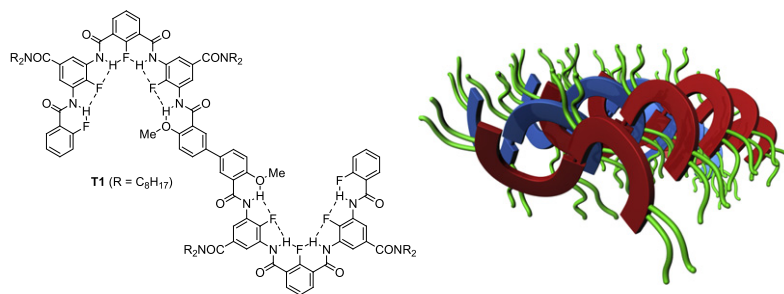
Zhenglai Fang, Gregory E. Agoston, Gaetan Ladouceur, Anthony M. Treston, LiQuan Wang, Mark Cushman*



Self-assembly of vesicles from the stacking of a dipodal F...H-N hydrogen bonded arylamide foldamer

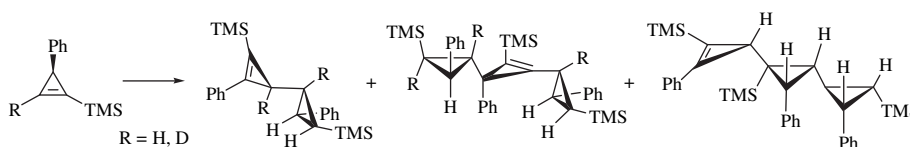
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Lu Wang, Ze-Yun Xiao, Jun-Li Hou, Gui-Tao Wang, Xi-Kui Jiang, Zhan-Ting Li*

**Stereo- and regiocontrol in ene-dimerisation and trimerisation of 1-trimethylsilyl-3-phenylcyclopropene**

pp 10552–10564

Andrey E. Sheshenev, Mark S. Baird*, Ivan G. Bolesov, Alexandre S. Shashkov

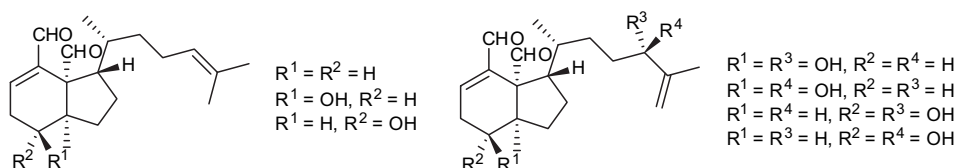


1-Trimethylsilyl-2-H(D)-3-phenylcyclopropene undergoes a highly stereocontrolled ene-reaction to give a single dimer and further reaction leads to one or more trimers derived through two ene-reactions.

2,6-Cyclo-xenicanes from the brown algae *Dilophus fasciola* and *Dilophus spiralis*

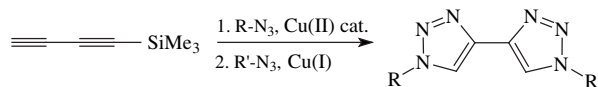
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Efsthathia Ioannou, Maria Zervou, Amel Ismail, Leila Ktari, Constantinos Vagias, Vassilios Roussis*

**An easy access to unsymmetrically substituted 4,4'-bi-1,2,3-triazoles**

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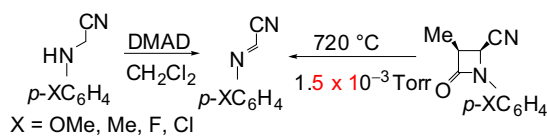
Vito Fiandanese*, Daniela Bottalico, Giuseppe Marchese, Angela Punzi, Francesca Capuzzolo



Synthesis of aryliminoacetonitriles under FVT conditions or by dehydrogenation of arylaminoacetonitriles: an NMR and UV-photoelectron spectroscopy study

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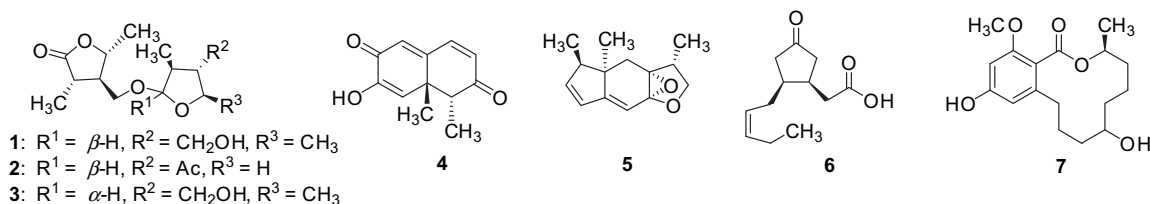
Stanisław Leśniak*, Anna Chrostowska, Dawid Kuc, Małgorzata Maciejczyk, Saïd Khayar, Ryszard B. Nazarski, Łukasz Urbaniak



Metabolites from the endophytic fungi *Botryosphaeria rhodina* PSU-M35 and PSU-M114

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Vatcharin Rukachaisirikul*, Jiraporn Arunpanichlert, Yaowapa Sukpondma, Souwalak Phongpaichit, Jariya Sakayaroj

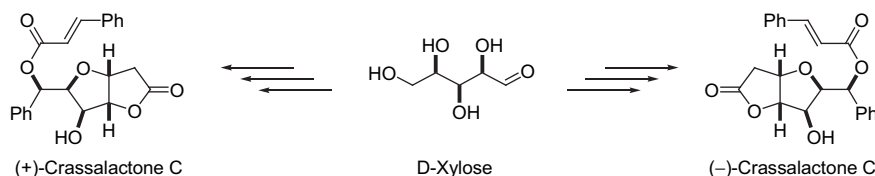


Three dimeric γ -lactones (**1-3**), one dihydronaphthalene-2,6-dione (**4**), one hexahydroindenofuran (**5**), one cyclopentanone (**6**), and one lasiodiplodin (**7**) were isolated from the endophytic fungi *B. rhodina* PSU-M35 and PSU-M114 along with twelve known metabolites. Their antibacterial activity against *Staphylococcus aureus*, both standard and methicillin-resistant strains, was evaluated.

Enantiodivergent synthesis of cytotoxic styryl lactones from D-xylose. The first total synthesis of (+) and (–)-crassalactone C

pp 10596–10607

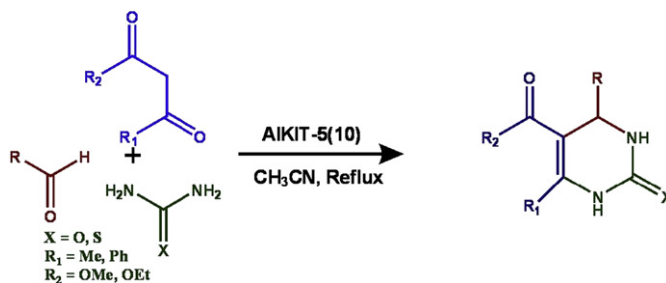
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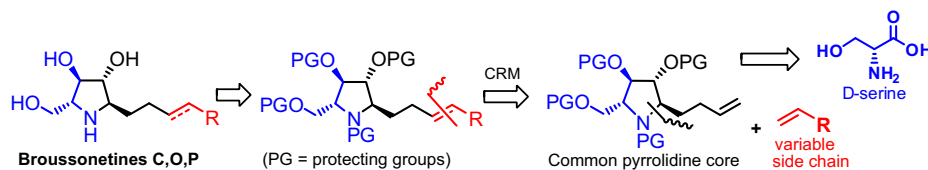
D. Shobha, M.A. Chari, A. Mano, S.T. Selvan, K. Mukkanti, A. Vinu*



Convergent, stereoselective syntheses of the glycosidase inhibitors broussonetines C, O and P

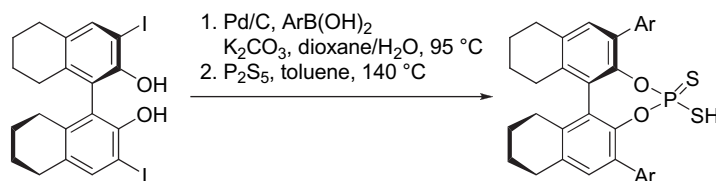
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Celia Ribes, Eva Falomir*, Juan Murga, Miguel Carda, J. Alberto Marco*

**Synthesis of BINOL derived phosphorodithioic acids as new chiral Brønsted acids and an improved synthesis of 3,3'-disubstituted H₈-BINOL derivatives**

pp 10617–10622

Guillaume Pousse, Alice Devineau, Vincent Dalla, Luke Humphreys, Marie-Claire Lasne, Jacques Rouden, Jérôme Blanchet*

**Hydrogenolysis of the cyclopropyl group into an isopropyl group in the presence of a platinum catalyst and hydrobromic acid**

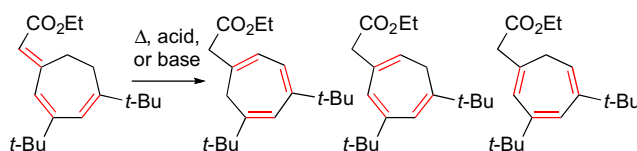
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Hideaki Fujii, Kayoko Okada, Marina Ishihara, Shinichi Hanamura, Yumiko Osa, Toru Nemoto, Hiroshi Nagase*

**Thermal and catalytic isomerization of exomethylenecycloheptadienes. Experimental and theoretical studies**

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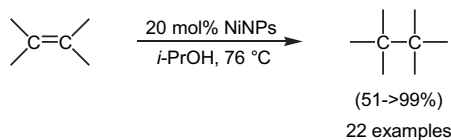
Yukiko Fukusaki, Jun Miyazaki, Isao Azumaya, Kosuke Katagiri, Shinsuke Komagawa, Ryu Yamasaki, Shinichi Saito*



Transfer hydrogenation of olefins catalysed by nickel nanoparticles

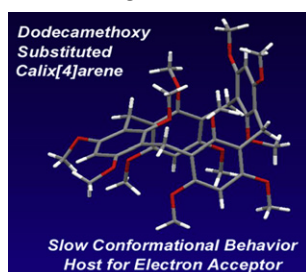
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Francisco Alonso*, Paola Riente, Miguel Yus*

**Lewis acid-catalyzed synthesis of dodecamethoxycalix[4]arene from 1,3,5-trimethoxybenzene and its conformational behavior and host-guest property**

pp 10644–10649

Tomoki Ogoshi*, Keisuke Kitajima, Kenji Umeda, Sachi Hiramitsu, Suguru Kanai, Shuhei Fujinami, Tada-aki Yamagishi, Yoshiaki Nakamoto*

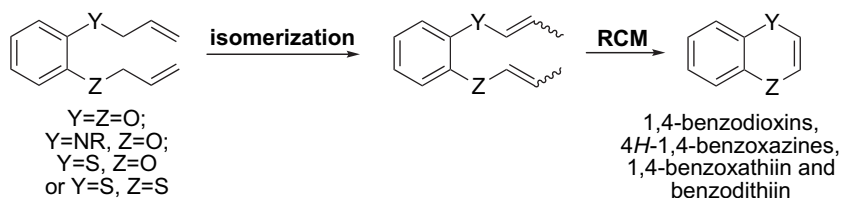


Lewis acid-catalyzed condensation of 1,3,5-trimethoxybenzene with paraformaldehyde gave new dodecamethoxy-substituted calix[4]arene. It showed slow bimodal conformational exchanges on the NMR time scale and formed host-guest complexes with the electron acceptor.

**Synthesis of unsaturated 1,4-heteroatom-containing benzo-fused heterocycles using a sequential isomerization-ring-closing metathesis strategy**

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Garreth L. Morgans, E. Lindani Ngidi, Lee G. Madeley, Setshaba D. Khanye, Joseph P. Michael, Charles B. de Koning, Willem A.L. van Otterlo*

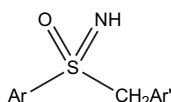


A small library of 1,4-benzodioxins and 4*H*-1,4-benzoxazines was synthesized from the corresponding bis-allyloxy precursors by way of an initial isomerization to the bis-vinyloxy compounds, followed by a ring-closing metathesis using the second generation Grubbs' catalyst (G2). A related strategy, starting from benzene-1,2-dithiol and 2-mercaptophenol, afforded benzodithiin and 1,4-benzoxathiin, respectively.

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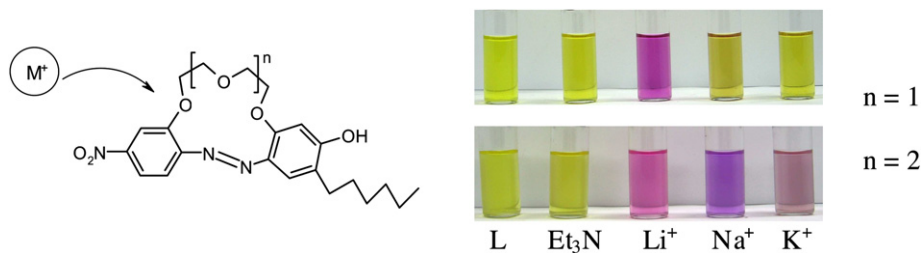
Nicola Barry, Nicolas Brondel, Simon E. Lawrence, Anita R. Maguire*



4-Hexylresorcinol-derived hydroxyazobenzocrown ethers as chromoionophores

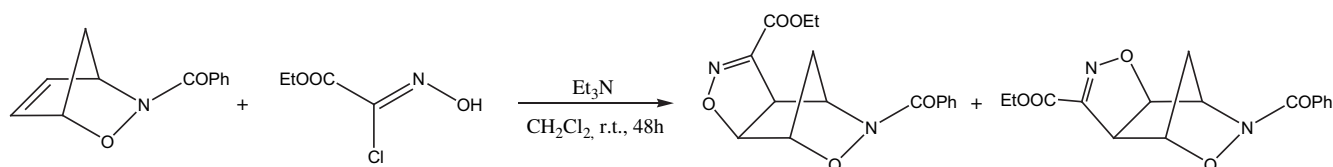
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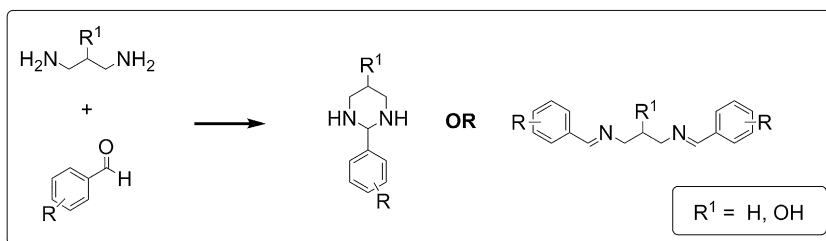
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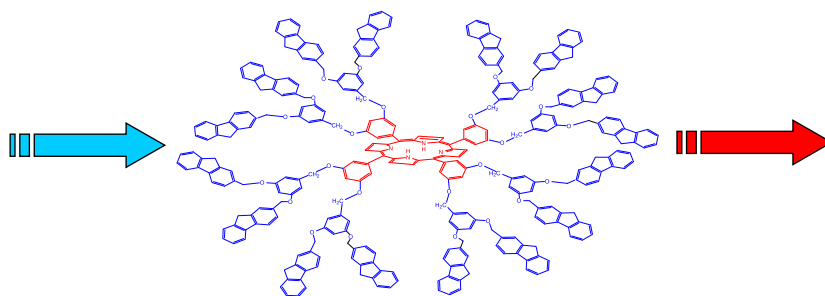
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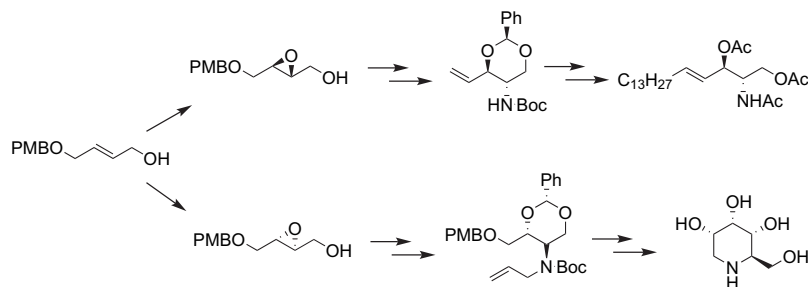
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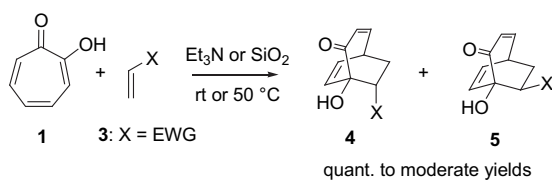
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R. Sridhar, B. Srinivas, K. Rama Rao*

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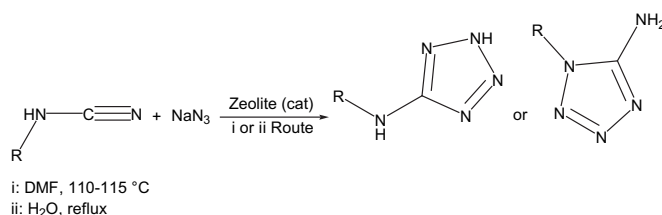
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Hiroaki Okamura*, Hiroki Iiji, Toshiyuki Hamada, Tetsuo Iwagawa, Hiroshi Furuno

**A general synthetic method for the formation of arylaminotetrazoles using natural natrolite zeolite as a new and reusable heterogeneous catalyst**

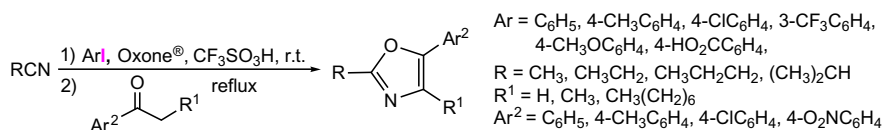
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Mahmoud Nasrollahzadeh*, Davood Habibi, Zahra Shahkarami, Yadollah Bayat

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Yoshihide Ishiwata, Hideo Togo*



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*Corresponding author

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ISSN 0040-4020