



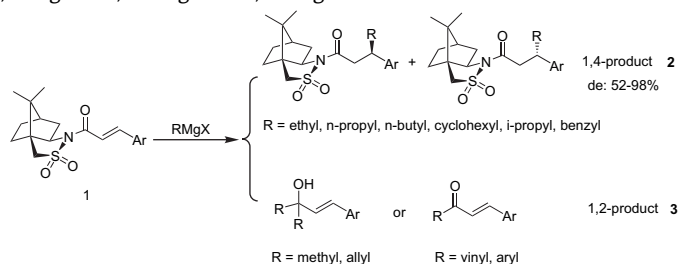
Tetrahedron Vol. 64, No. 24, 2008

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Regio- and diastereoselective conjugate addition of Grignard reagents to aryl substituted α,β -unsaturated carbonyl compounds derived from Oppolzer's sultam pp 5629–5636

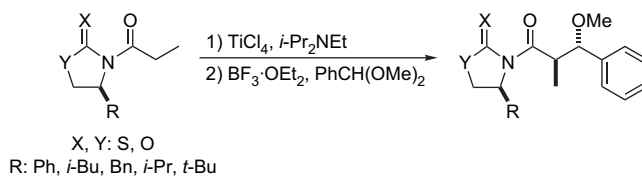
Xiufang Cao, Fang Liu, Wenchang Lu, Gang Chen, Guang-Ao Yu, Sheng Hua Liu*



An efficient asymmetric Michael addition of Grignard reagents to aryl substituted α,β -unsaturated carbonyl compounds (**1**) has been developed. The reaction exhibits high regioselectivity and diastereoselectivity (up to 99:1).

On the influence of chiral auxiliaries in the stereoselective cross-coupling reactions of titanium enolates and acetals pp 5637–5644

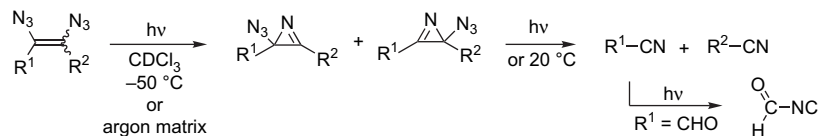
Jessica Baiget, Annabel Cosp, Erik Gálvez, Loreto Gómez-Pinal, Pedro Romea*, Fèlix Urpi*



Photolysis of open-chain 1,2-diazoalkenes: generation of 2-azido-2H-azirines, formyl cyanide, and formyl isocyanide

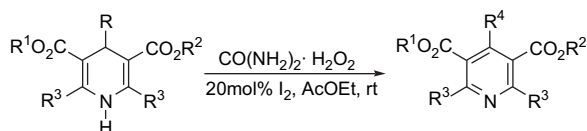
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Klaus Banert*, Joseph Rodolph Fotsing, Manfred Hagedorn, Hans Peter Reisenauer*, Günther Maier


An efficient, metal-free, room temperature aromatization of Hantzsch-1,4-dihydropyridines with urea-hydrogen peroxide adduct, catalyzed by molecular iodine

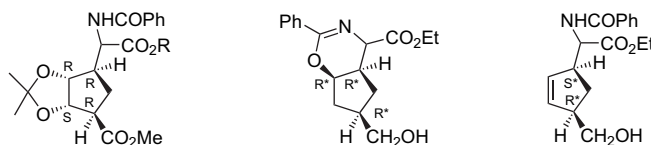
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Mirela Filipan-Litvić, Mladen Litvić*, Vladimir Vinković


 β -Hydroxynorbornane amino acid derivatives: valuable synthons for the diastereoselective preparation of substituted cyclopentylglycine derivatives

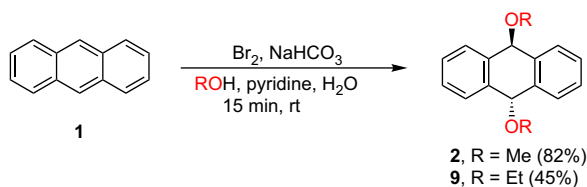
pp 5657–5665

Sara Pellegrino*, Francesca Clerici, Maria Luisa Gelmi


Electrophilic aromatic addition reaction (A_EAr) to anthracene

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Keun Sam Jang, Hee Young Shin, Dae Yoon Chi*



Sigmatropic shifts and cycloadditions on neutral, cationic, and anionic pentadienyl + butadiene potential energy surfaces

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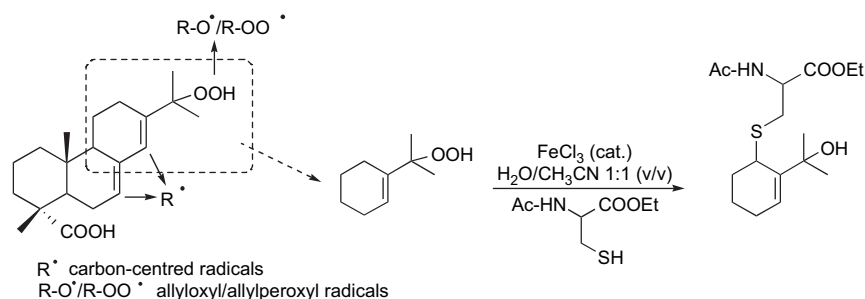
Dustin H. Nouri, Dean J. Tantillo*



Identification of radical species derived from allergenic 15-hydroperoxyabietic acid and insights into the behaviour of cyclic tertiary allylic hydroperoxides in Fe(II)/Fe(III) systems

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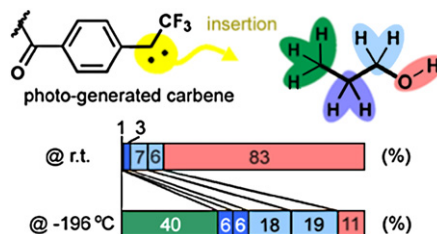
Elena Giménez-Arnau*, Laure Haberkorn, Loris Grossi, Jean-Pierre Lepoittevin



Distribution of photo-cross-linked products from 3-aryl-3-trifluoromethyldiazirines and alcohols

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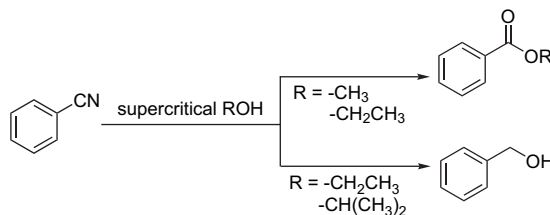
Naoki Kanoh*, Takemichi Nakamura*, Kaori Honda, Hiroyuki Yamakoshi, Yoshiharu Iwabuchi, Hiroyuki Osada



Transformation of benzonitrile into benzyl alcohol and benzoate esters in supercritical alcohols

pp 5699–5702

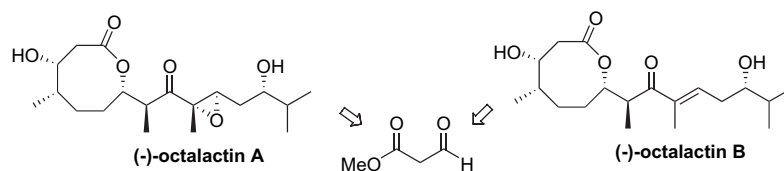
Takashi Kamitanaka*, Kenji Yamamoto, Tomoko Matsuda, Tadao Harada*



Synthetic efforts toward the synthesis of octalactins

Minh-Thu Dinh, Samir Bouzbouz*, Jean-Louis Pégliion, Janine Cossy*

pp 5703–5710

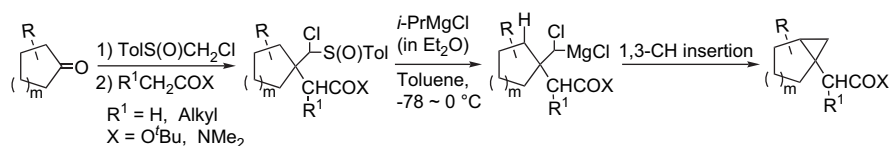


The key steps in the synthesis of octalactins are enantioselective allyltitanations and a cross-metathesis.

A synthesis of bicyclo[*n*.1.0]alkanes having *tert*-butyl carboxylate or acetamide moiety via the intramolecular 1,3-CH insertion of magnesium carbenoids

Shingo Ogata, Hideki Saitoh, Daisuke Wakasugi, Tsuyoshi Satoh*

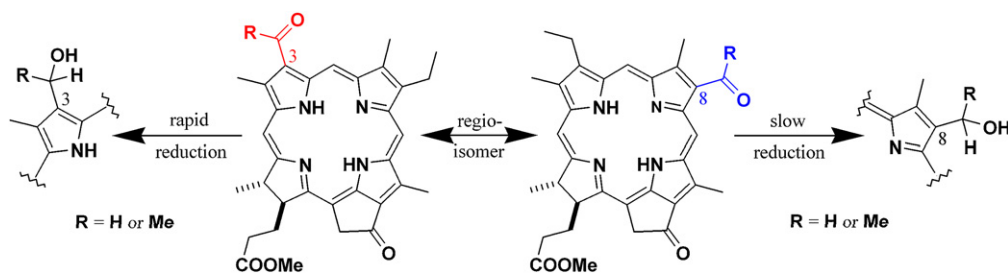
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Synthesis of 3/8-carbonylated chlorophyll derivatives and regiodependent reductivity of their carbonyl substituents

Hitoshi Tamiaki*, Kazunori Hamada, Michio Kunieda

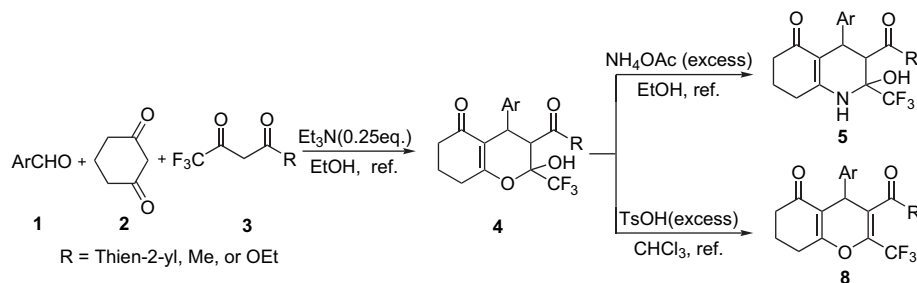
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A convenient one-pot synthesis of 2-(trifluoromethyl)-3,4,7,8-tetrahydro-2H-chromen-5(6H)-one derivatives and their further transformations

Shaodi Song, Liping Song*, Baifan Dai, Hai Yi, Guifang Jin, Shizheng Zhu*, Min Shao

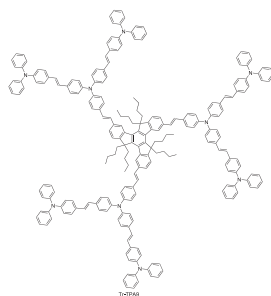
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A facile convergent procedure for the preparation of triphenylamine-based dendrimers with truxene cores

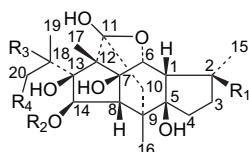
pp 5736–5742

Haijian Xia, Jiating He, Bin Xu, Shanpeng Wen, Yaowen Li, Wenjing Tian*

**Six insecticidal isoryanodane diterpenoids from the bark and twigs of *Itoa orientalis***

pp 5743–5747

Xing-Yun Chai, Chang-Cai Bai, Hai-Ming Shi, Zheng-Ren Xu, Hong-Yan Ren, Fei-Fei Li, Ya-Nan Lu, Yue-Lin Song, Peng-Fei Tu*

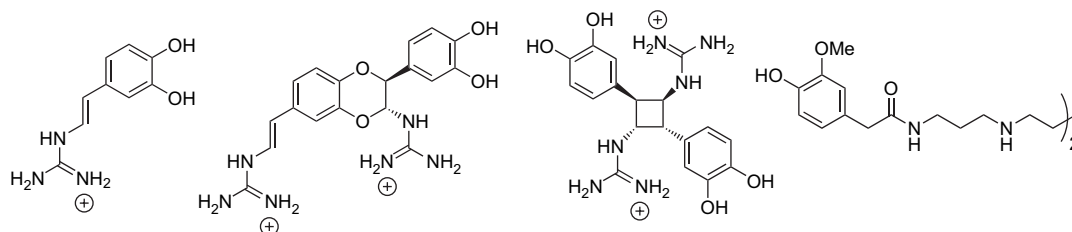


	R ₁	R ₂	R ₃	R ₄
1	H	H	H	H
2	H	H	H	OH
3	OH	H	H	H
4	H	H	OH	H
5	H	β-D-glc	H	H
6	H	H	H	O-β-D-glc

**Orthidines A–E, tubastrine, 3,4-dimethoxyphenethyl-β-guanidine, and 1,14-sperminedihomovanillamide: potential anti-inflammatory alkaloids isolated from the New Zealand ascidian *Aplidium orthium* that act as inhibitors of neutrophil respiratory burst**

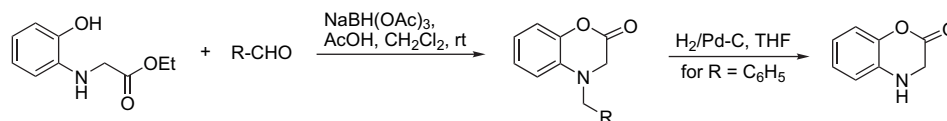
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A. Norrie Pearce, Elizabeth W. Chia, Michael V. Berridge, Elizabeth W. Maas, Michael J. Page, Jacquie L. Harper, Victoria L. Webb, Brent R. Copp*

**A convenient synthesis of 3,4-dihydro-1,4-benzoxazin-2-ones**

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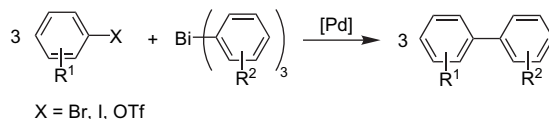
Nace Zidar, Danijel Kikelj*



A new palladium catalyzed protocol for atom-efficient cross-coupling reactions of triarylbismuths with aryl halides and triflates

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Maddali L. N. Rao*, Deepak N. Jadhav, Debasis Banerjee

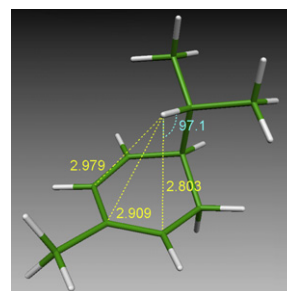


Origin of the axial-alkyl preference of (*R*)- α -phellandrene and related compounds investigated by high-level ab initio MO calculations. Importance of the CH/ π hydrogen bond

pp 5773–5778

Osamu Takahashi*, Katsuyoshi Yamasaki, Yuji Kohno*, Kazuyoshi Ueda, Hiroko Suezawa, Motohiro Nishio*

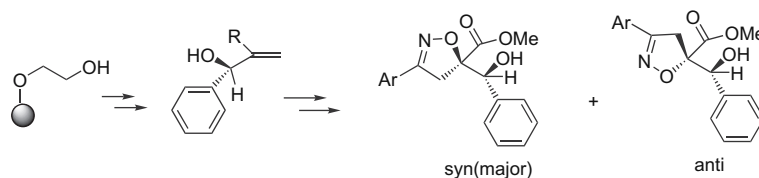
Ab initio MO calculations were carried out to investigate the Gibbs energy of conformational isomers of (*R*)- α -phellandrene and related 5-alkyl-2-methyl-1,3-cyclohexadienes. It has been found that the conformer bearing the 5-alkyl group in the axial orientation is more stable than the equatorial congener. The stability of the folded conformation has been attributed to the CH/ π hydrogen bond.



Diastereoselective cycloadditions of a soluble polymer-supported substituted allyl alcohol derived from Baylis–Hillman reaction with nitrile oxides

pp 5779–5783

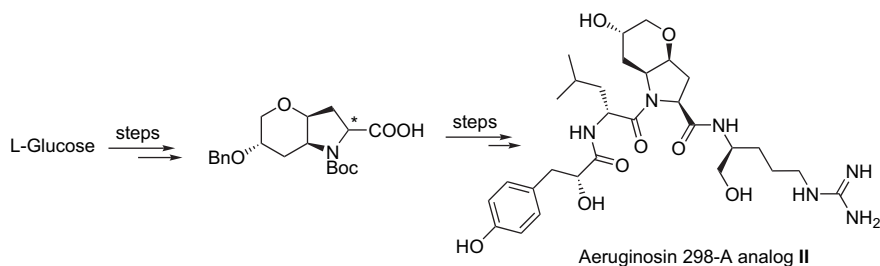
Yongjia Shang*, Zhijun Feng, Lili Yuan, Shaowu Wang



Total synthesis of aeruginosin 298-A analogs containing ring oxygenated variants of 2-carboxy-6-hydroxyoctahydroindole

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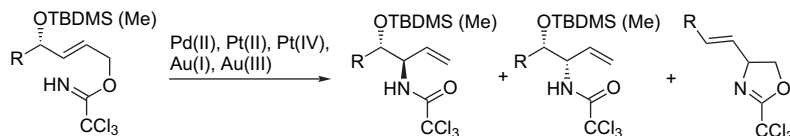
Xiaoping Nie, Guijun Wang*



Ether-directed diastereoselectivity in catalysed Overman rearrangement: comparative studies of metal catalysts

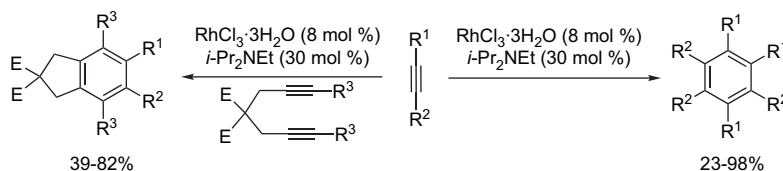
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Ieva Jaunzeme, Aigars Jirgensons*

**RhCl₃/amine-catalyzed [2+2+2] cyclization of alkynes**

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Kenta Yoshida, Ichiro Morimoto, Koichi Mitsudo*, Hideo Tanaka*

**OTHER CONTENT****Corrigendum**

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*Corresponding author

Supplementary data available via ScienceDirect



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