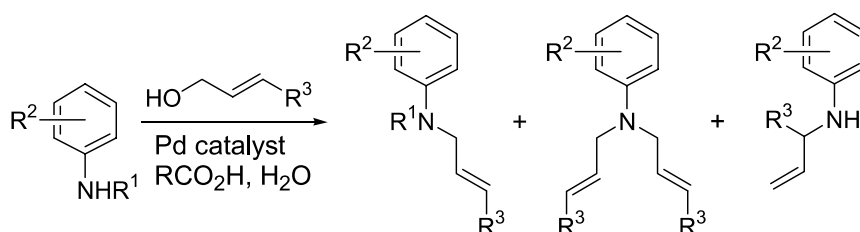


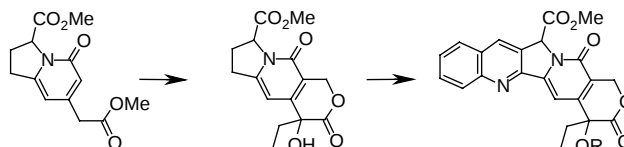
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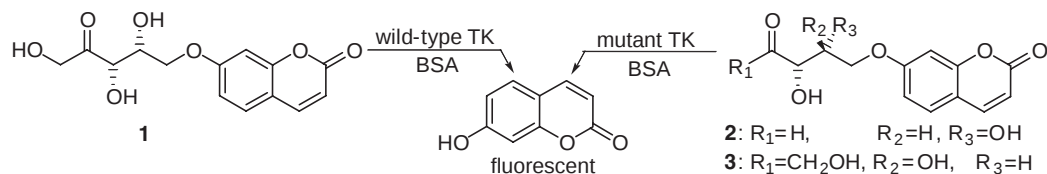


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Thierry Brunin, Laurent Legentil, Jean-Pierre Hénichart and Benoît Rigo*



The synthesis of two camptothecin analogs substituted by a carbonyl function on position 5 of cycle C was realized.

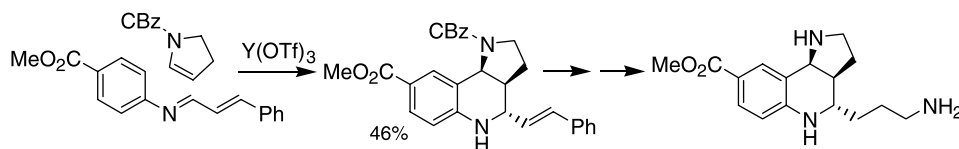
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Mark Hadden, Mark Nieuwenhuyzen, Daire Osborne, Paul J. Stevenson,* Norris Thompson and Andrew D. Walker

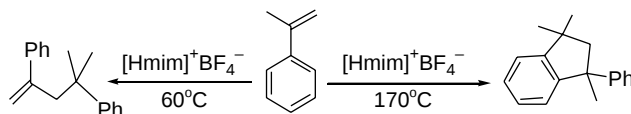


Povarov reaction of an aromatic imine derived from cinnamaldehyde with a cyclic enamide gave a key intermediate for the synthesis of martinellie acid in 46% isolated yield with complete regiocontrol. This intermediate was converted to the titled compound in five additional steps.

Temperature-controlled highly selective dimerization of α -methylstyrene catalyzed by Brønsted acidic ionic liquid under solvent-free conditions

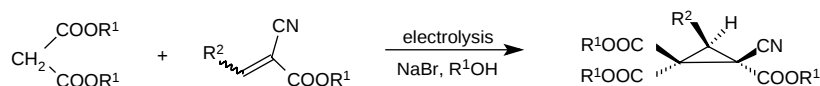
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**Stereoselective electrocatalytic transformation of malonate and alkylidenecyanoacetates into (*E*)-3-substituted 2-cyanocyclopropane-1,1,2-tricarboxylates**

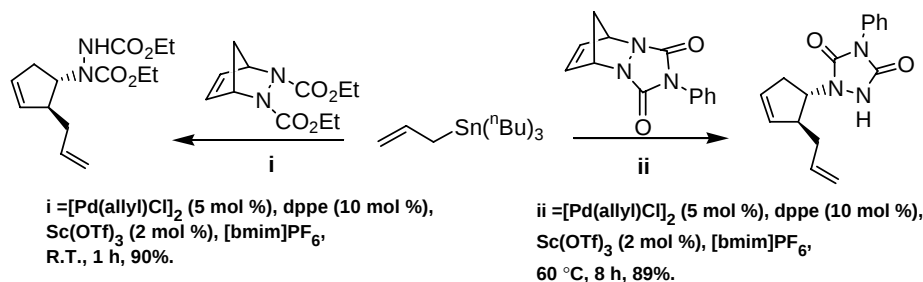
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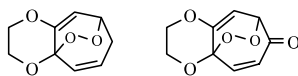
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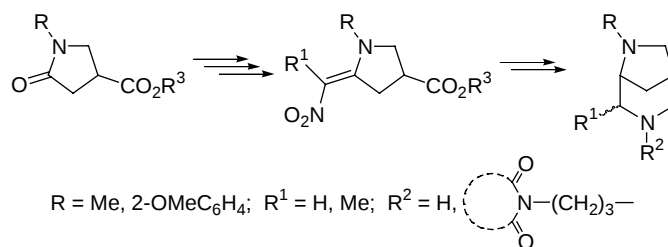


Arif Daştan* and Metin Balci*



A general and efficient synthesis of 3,6-diazabicyclo[3.2.1]octanes

Rakesh K. Singh, Sanjay Jain,* Neelima Sinha, Anita Mehta, Fehmida Naqvi and Nitya Anand*



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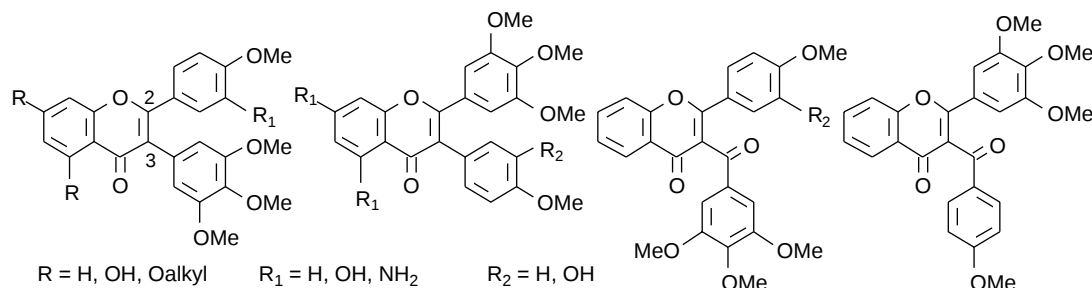
(i) In , $\text{R}^3\text{-CH=CHCH}_2\text{Br}$, $\text{THF} : \text{H}_2\text{O}$ (2:1); (ii) I_2 , NaHCO_3 , $\text{CH}_3\text{CN} / \text{DMF}$

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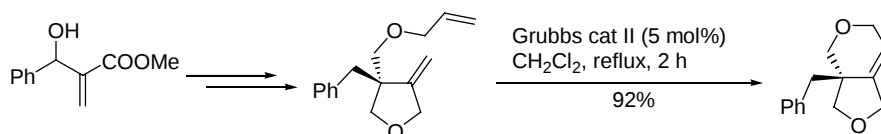
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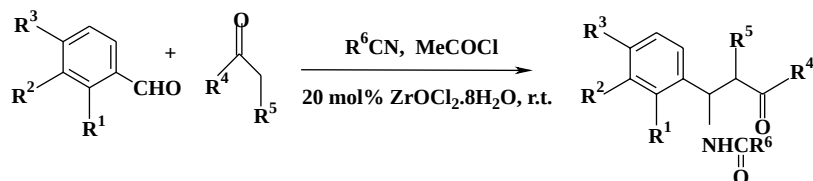
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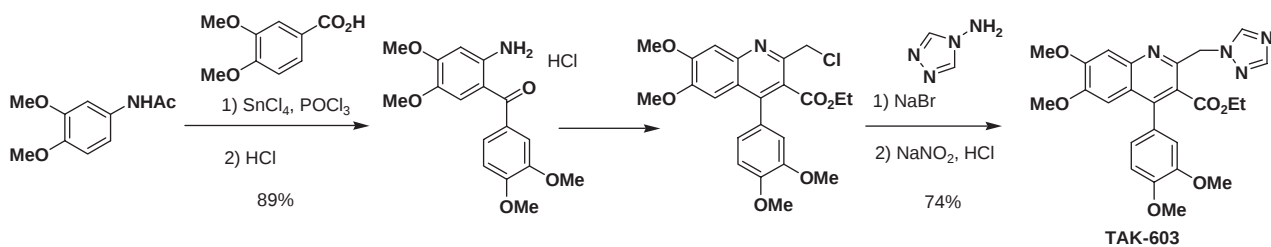
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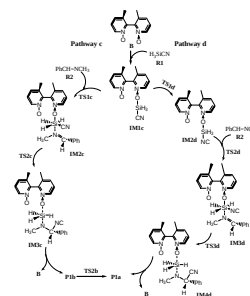


A quantum chemical study on the mechanism of chiral *N*-oxides-catalyzed Strecker reaction

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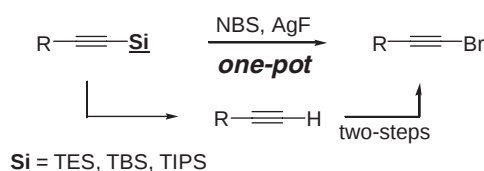
Zhishan Su, Changwei Hu,* Song Qin and Xiaoming Feng*

The mechanism for the Strecker reaction of silyl cyanide (H_3SiCN) and benzaldehyde *N*-methylimine ($\text{PhCH}=\text{NCH}_3$) catalyzed by chiral 3,3'-dimethyl-2,2'-bipyridine *N,N'*-dioxide (**B**) was investigated using the density functional theory (DFT) at the B3LYP/6-31G* level. The calculations showed that chiral *N*-oxide could be used as a good catalyst for the Strecker reaction, which was in agreement with the experimental observations.

**Facile one-pot syntheses of bromoacetylenes from bulky trialkylsilyl acetylenes**

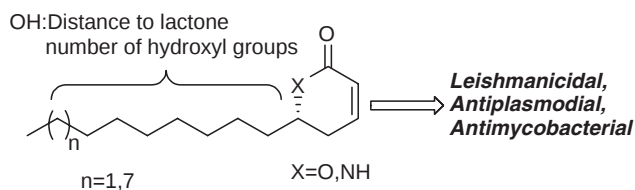
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Taeho Lee, Hee Ryong Kang, Shinae Kim and Sanghee Kim*

**Antiparasite and antimycobacterial activity of passifloricin analogues**

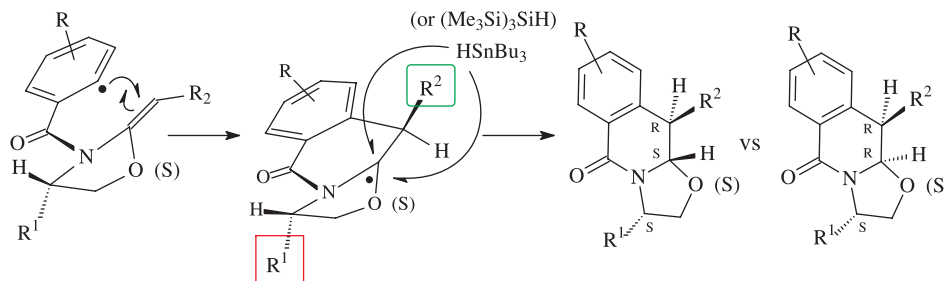
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Wilson Cardona, Winston Quiñones, Sara Robledo, Ivan Darío Vélez, Juan Murga, Jorge García-Fortanet, Miguel Carda, Diana Cardona and Fernando Echeverri*

**Stereoselective radical cyclizations of *N*-(2-halobenzoyl)-cyclic ketene-*N*,*X* (*X* = O, S)-acetals**

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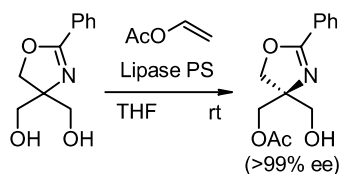
Aihua Zhou,* Moses N. Njogu and Charles U. Pittman, Jr.*



(*R*)-4-Hydroxymethyl-2-phenyl-4,5-dihydrooxazol-4-ylmethyl acetate: chiral building block for the synthesis of optically active α -substituted α -amino acid derivatives

pp 4103–4109

Hiroaki Miyaoka,* Makoto Yamanishi, Ayako Hoshino and Atsushi Kinbara

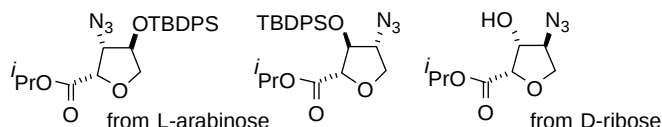


(*R*)-4-Hydroxymethyl-2-phenyl-4,5-dihydrooxazol-4-ylmethyl acetate was efficiently obtained by lipase-catalyzed asymmetrization of the prochiral diol.

Synthesis of 4-aminomethyl-tetrahydrofuran-2-carboxylates with 2,4-*cis* and 2,4-*trans* relationships

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Alison A. Edwards,* Gangadharar J. Sanjayan, Shuji Hachisu, Raquel Soengas, Alistair Stewart, George E. Tranter and George W. J. Fleet

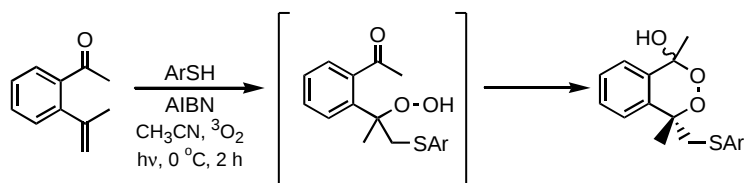


The efficient synthesis of cyclically rigidified β - and γ -amino acids from carbohydrate starting materials.

Ground state oxygen in synthesis of cyclic peroxides. Part 1: Benzo fused ketals

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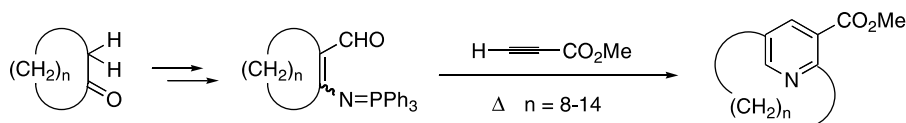
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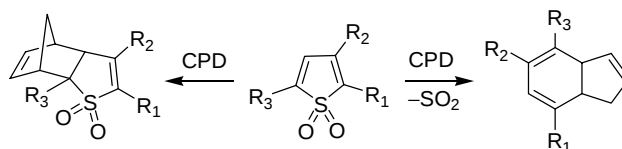
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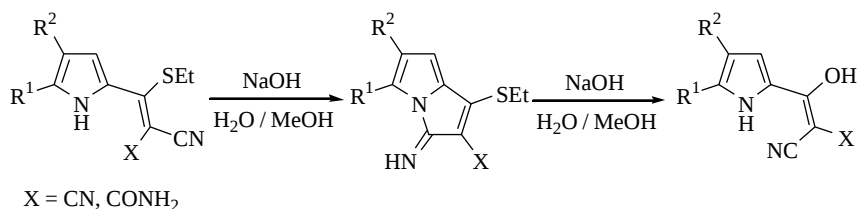
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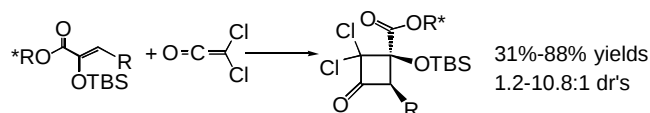
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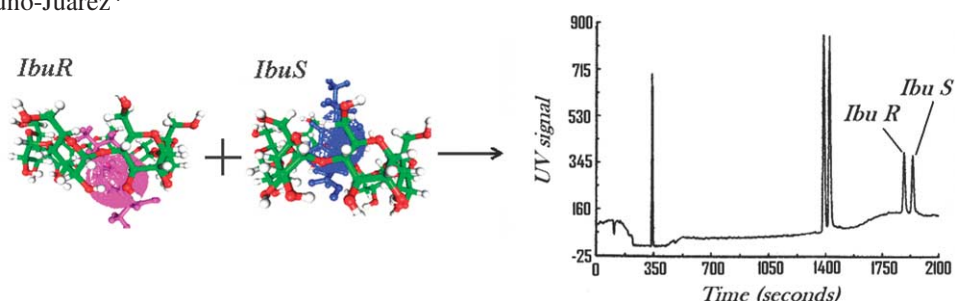
David I. MaGee,* Tammy C. Mallais, Peter D. M. Mayo and George M. Strunz



Chiral discrimination of ibuprofen isomers in β-cyclodextrin inclusion complexes: experimental (NMR) and theoretical (MD, MM/GBSA) studies

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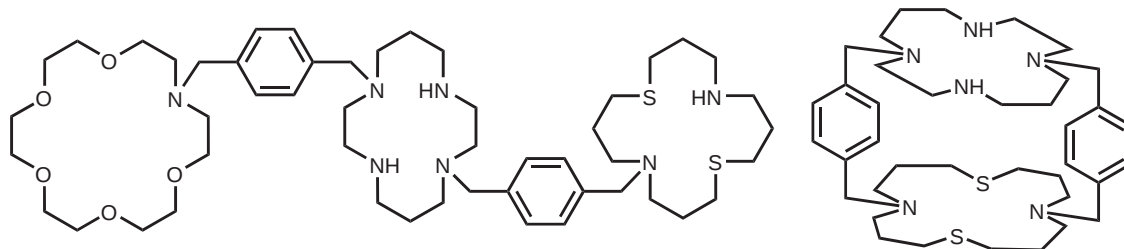
Carlos-Javier Núñez-Agüero, Carolina-Marta Escobar-Llanos, David Díaz, Carlos Jaime and Ramón Garduño-Juárez*



New heterotopic, linked macrocyclic systems derived from selectively protected macrocycles

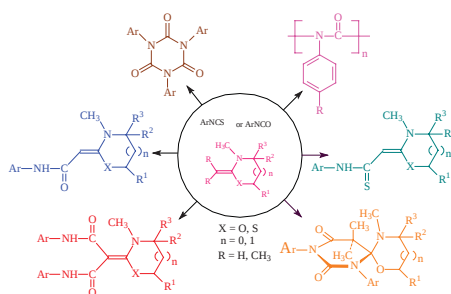
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Jy D. Chartres, Leonard F. Lindoy and George V. Meehan*

**‘Push–Pull’ and spirobicyclic structures by reacting *N*-methyl cyclic ketene-*N*,*X* (*X* = S, O)-acetals with isocyanates and isothiocyanates**

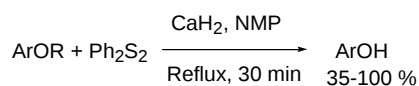
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Aihua Zhou,* Liwei Cao, Haiqing Li, Zhuqing Liu, Hosouk Cho, William P. Henry and Charles U. Pittman, Jr.*

**Ph₂S₂–CaH₂ in *N*-methyl-2-pyrrolidone as an efficient protocol for chemoselective cleavage of aryl alkyl ethers**

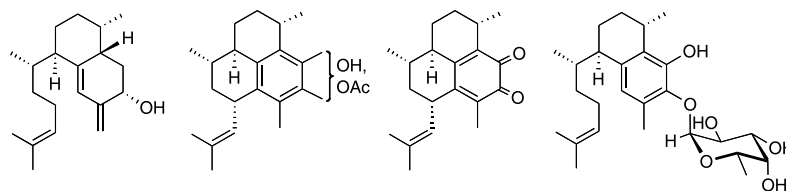
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Navnath S. Gavande, Sonia Kundu, Naresh S. Badgajar, Gurmeet Kaur and Asit K. Chakraborti*

**Further studies on the constituents of the gorgonian octocoral *Pseudopterogorgia elisabethae* collected in San Andrés and Providencia islands, Colombian Caribbean: isolation of a putative biosynthetic intermediate leading to erogorgiaene**

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Carmenza Duque,* Mónica Puyana, Leonardo Castellanos, Andrea Arias, Hebelin Correa, Oscar Osorno, Teigo Asai, Noriyuki Hara and Yoshinori Fujimoto*

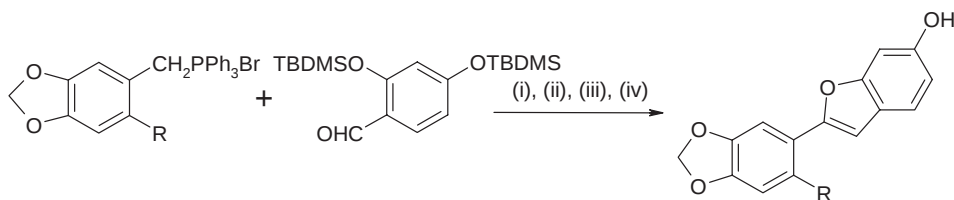


Four new diterpenes have been isolated and characterized from the gorgonian octocoral, *Pseudopterogorgia elisabethae*, collected in San Andrés and Providencia islands, Colombian Caribbean.

Synthesis of cicerfuran, an antifungal benzofuran, and some related analogues

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Shazia N. Aslam, Philip C. Stevenson,* Sara J. Phythian, Nigel C. Veitch and David R. Hall

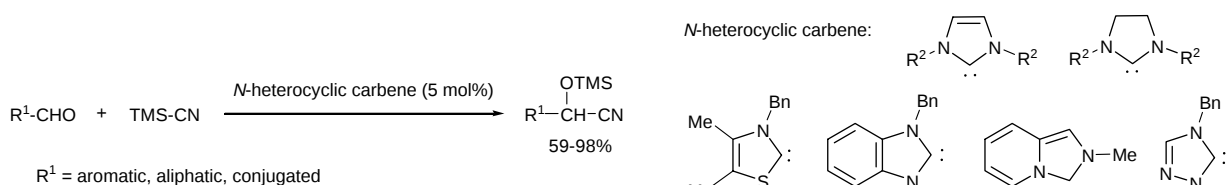
(i) NaHMDS, THF; (ii) 3-CPBA, DCM; (iii) CuCl₂, acetone, water; (iv) pTSA, CHCl₃

A novel method is described for the synthesis of oxygenated benzofurans by epoxidation and cyclisation of 2'-hydroxystilbenes

Cyanosilylation of aldehydes catalyzed by *N*-heterocyclic carbenes

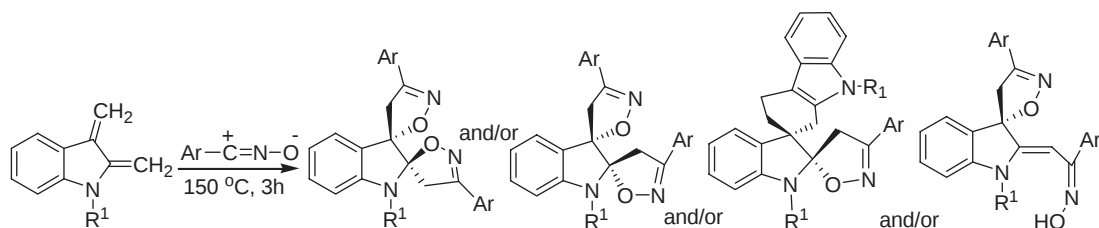
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Yumiko Suzuki,* Abu Bakar, M.D., Kazuyuki Muramatsu and Masayuki Sato*

R¹ = aromatic, aliphatic, conjugated**Reactivity and regioselectivity in the synthesis of spiroindoles via indole *o*-quinodimethanes. An experimental and computational study**

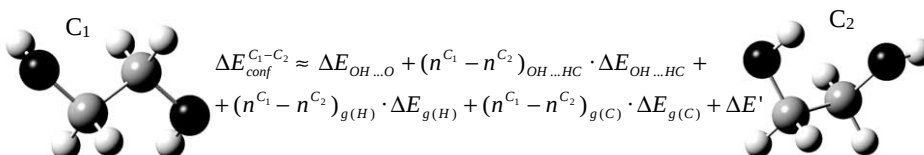
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Constantinos A. Tsoleridis,* John Dimtsas, Dimitra Hatzimimikou and Julia Stephanidou-Stephanatou

**A scheme estimating the energy of intramolecular hydrogen bonds in diols**

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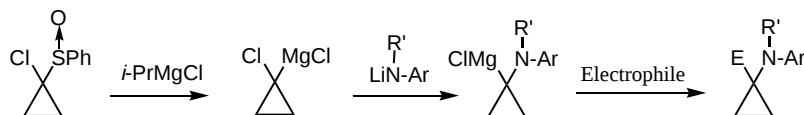
Marcos Mandado, Ricardo A. Mosquera* and Christian Van Alsenoy



Reaction of magnesium cyclopropylidene with *N*-lithio arylamines: a method for generation of α -amino-substituted cyclopropylmagnesiums and a study for their reactivity with electrophiles

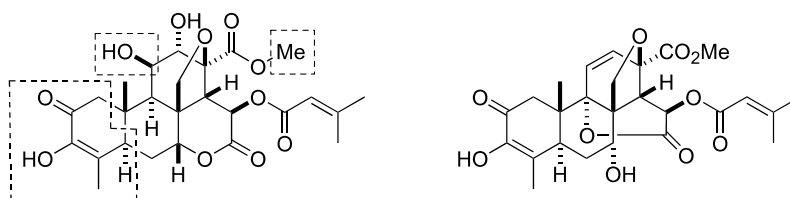
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Tsuyoshi Satoh,* Mariko Miura, Ken Sakai and Yoshimi Yokoyama

**A structure–activity relationship study of brusatol, an antitumor quassinoid**

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Yukio Hitotsuyanagi, Ik Hwi Kim, Tomoyo Hasuda, Yuka Yamauchi and Koichi Takeya*

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*Corresponding author

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