



Tetrahedron Vol. 64, No. 41, 2008

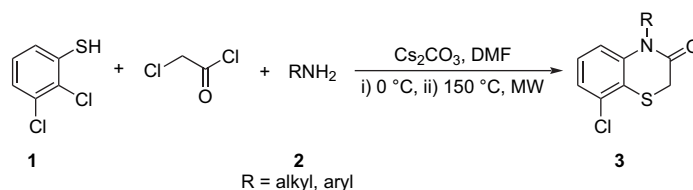
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Microwave-assisted one-pot synthesis of benzo[b][1,4]thiazin-3(4H)-ones via Smiles rearrangement

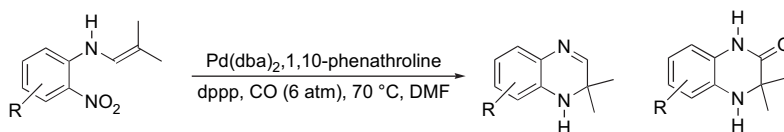
pp 9669–9674

Hua Zuo, Zhu-Bo Li, Fang-Kui Ren, J. R. Falck, Meng Lijuan, Chuljin Ahn, Dong-Soo Shin*

**Palladium-catalyzed synthesis of quinoxaline derivatives**

pp 9675–9684

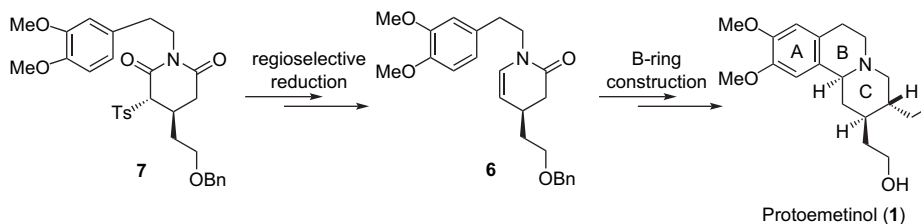
Jeffery M. Wallace, Björn C.G. Söderberg*, Joaquín Tamariz, Novruz, G. Akhmedov, Mathew T. Hurley



Total synthesis of (±)-protoemetinol

pp 9685–9688

Jung-Kai Chang, Bo-Rui Chang, Yu-Hsiu Chuang, Nein-Chen Chang*

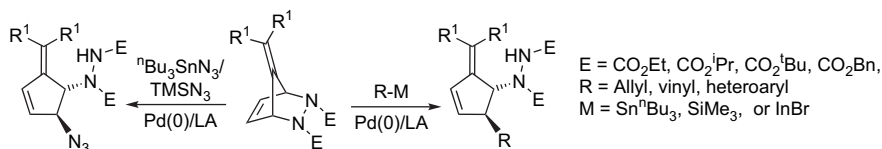


A new approach to the benzo[*a*]quinolizidine alkaloid was described. Total synthesis of (±)-protoemetinol (1) was reported.

Facile synthesis of alkylidene cyclopentenes via palladium catalyzed ring opening of fulvene derived bicyclic hydrazines

pp 9689–9697

S. Anas, V. S. Sajisha, Jubi John, Nayana Joseph, Sholly Clair George, K. V. Radhakrishnan*

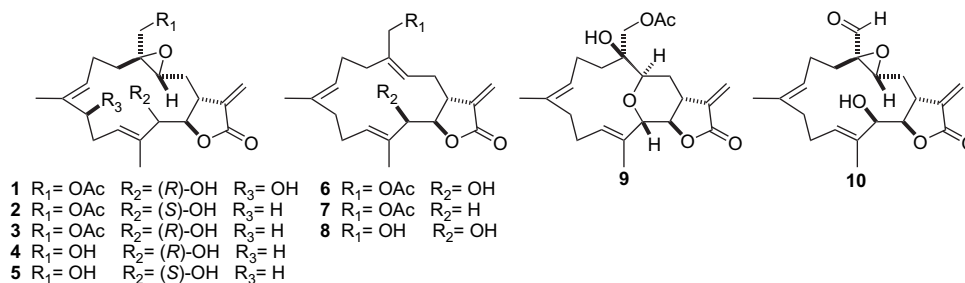


Palladium/Lewis acid catalyzed ring opening of fulvene derived bicyclic hydrazines with various organometallic reagents leading to the stereoselective synthesis of substituted alkylidene cyclopentenes is described.

Durumolides A–E, anti-inflammatory and antibacterial cembranolides from the soft coral *Lobophytum durum*

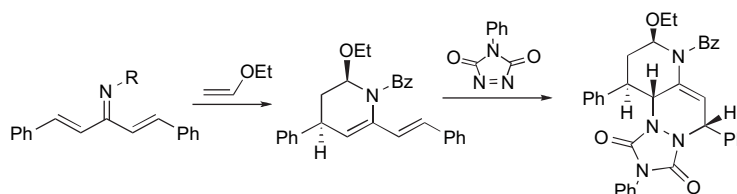
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Shi-Yie Cheng, Zhi-Hong Wen, Shu-Fen Chiou, Chi-Hsin Hsu, Shang-Kewi Wang, Chang-Feng Dai, Michael Y. Chiang, Chang-Yih Duh*

**A novel and facile stereocontrolled synthetic method for polyhydro-quinolines and pyridopyridazines via a diene-transmissive Diels–Alder reaction involving inverse electron-demand hetero Diels–Alder cycloaddition of cross-conjugated azatrienes**

pp 9705–9716

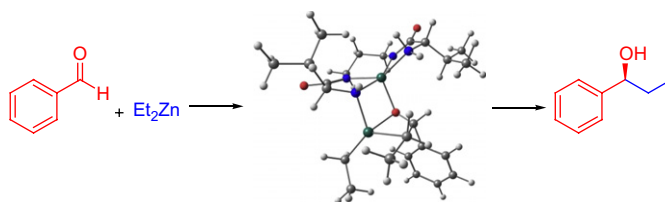
Satoru Kobayashi, Tomoki Furuya, Takashi Otani, Takao Saito*



New chiral tetraaza ligands for the efficient enantioselective addition of dialkylzinc to aromatic aldehydes

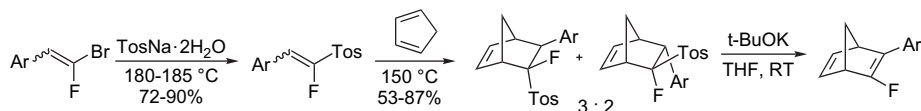
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M. Isabel Burguete*, Jorge Escorihuela, Santiago V. Luis*, Agustí Lledós*, Gregori Ujaque

**New synthetic approach to α -fluoro- β -arylvinyl sulfones and their application in Diels–Alder reactions**

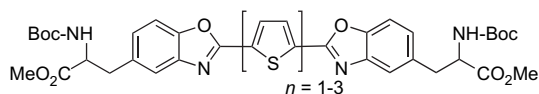
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Aleksy V. Shastin, Valentine G. Nenajdenko, Vasily M. Muzalevskiy, Elizabeth S. Balenkova, Roland Fröhlich, Günter Haufe*

**Synthesis and photophysical characterization of new fluorescent bis-amino acids bearing a heterocyclic bridge containing benzoxazole and thiophene**

pp 9733–9737

Susana P.G. Costa*, Rosa M.F. Batista, M. Manuela M. Raposo

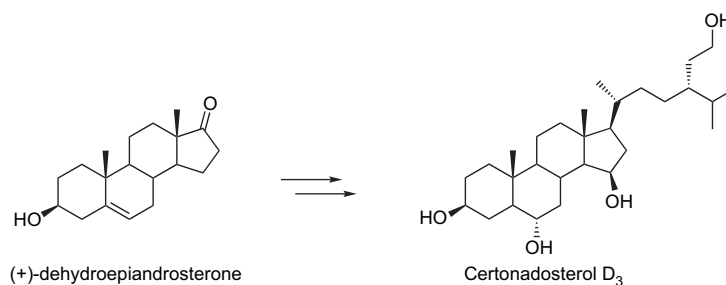


New highly fluorescent bis-amino acids based on alanine bearing (oligo)thiophene and benzoxazole units as the heterocyclic bridge were synthesized in moderate to good yields. Evaluation of the photophysical properties of the synthesized bis-amino acids revealed that they display exceptionally high fluorescence quantum yields, making them good candidates for application as fluorescent probes when incorporated into peptides, as well as peptide conformation-restricting and cross-linking elements.

Stereoselective synthesis of Certonardolsterol D₃

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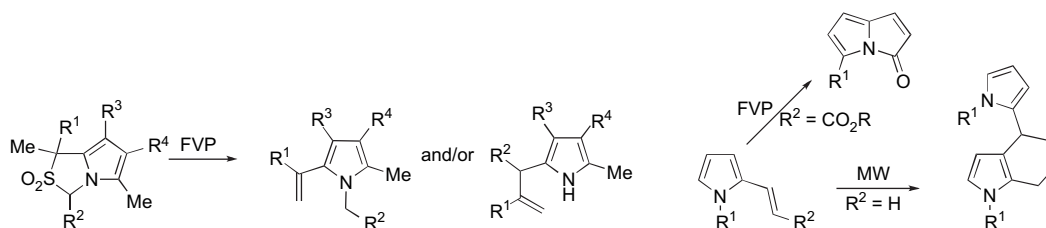
Biao Jiang*, He-ping Shi, Min Xu, Wan-jun Wang, Wei-shan Zhou



Flash vacuum pyrolysis of 2,2-dioxo-1*H*,3*H*-pyrrolo[1,2-*c*]thiazoles and 2-vinyl-1*H*-pyrroles

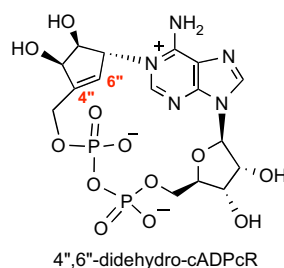
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Maria I. L. Soares, Susana M. M. Lopes, Pedro F. Cruz, Rui M. M. Brito, Teresa M. V. D. Pinho e Melo*

**Design and synthesis of 4'',6''-unsaturated cyclic ADP-carbocyclic-ribose, a Ca²⁺-mobilizing agent selectively active in T cells**

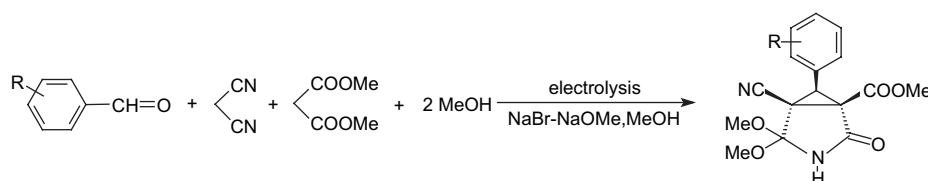
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**Electrocatalytic cascade multicomponent assembling: stereoselective one-pot synthesis of the substituted 3-azabicyclo[3.1.0]hexane-1-carboxylate system from aldehyde, malononitrile, malonate and methanol**

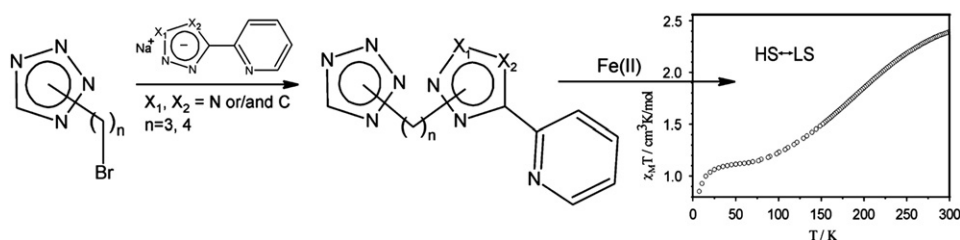
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Anatolii N. Vereshchagin*, Michail N. Elinson*, Tatiana A. Zaimovskaya, Gennady I. Nikishin

**Application of *N*-(ω -bromoalkyl)tetrazoles for the preparation of bitopic ligands containing pyridylazole chelators or azole rings as building blocks for iron(II) spin crossover polymeric materials**

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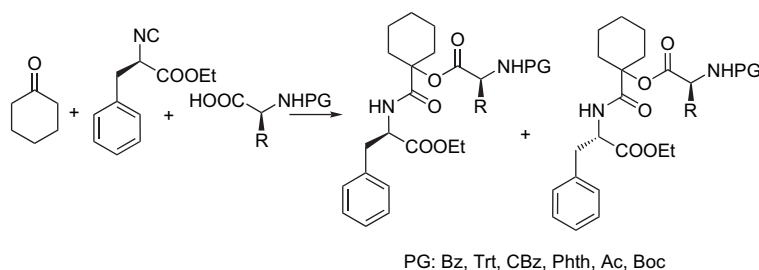
Agata Białońska, Robert Bronisz*



α -Amino acids as acid components in the Passerini reaction: influence of N-protection on the yield and stereoselectivity

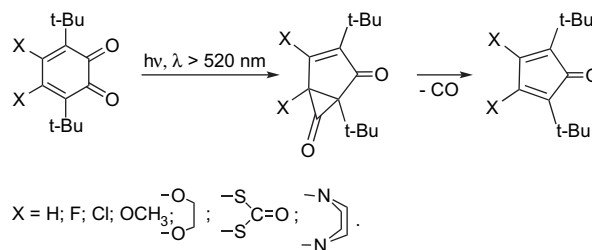
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Stanisław Berłożecki, Wiktor Szymanski, Ryszard Ostaszewski*

**Photolytic decarbonylation of *o*-benzoquinones**

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M.P. Shurygina*, Yu. A. Kurskii, N.O. Druzhkov, S.A. Chesnokov, L.G. Abakumova, G.K. Fukin, G.A. Abakumov

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ISSN 0040-4020