

Tetrahedron Letters Vol. 51, No. 44, 2010

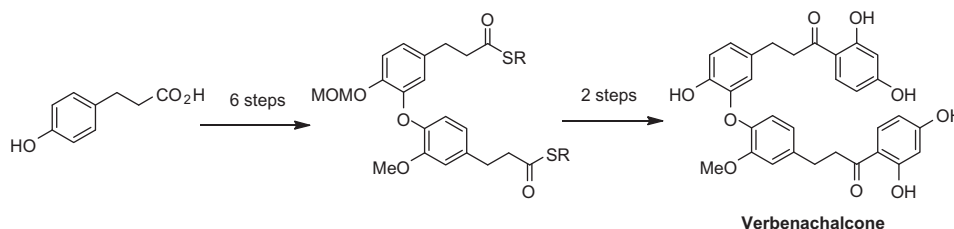
Contents

COMMUNICATIONS

Liebeskind–Srogl cross coupling mediated synthesis of verbenachalcone

pp 5753–5756

Srinivasa Reddy Dandepally, Alfred L. Williams*



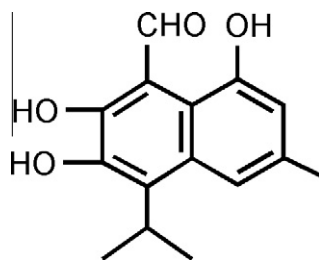
A flexible and scalable total synthesis of verbenachalcone is achieved in eight linear steps from commercially cheap available starting material, 3-(4-hydroxyphenyl)propanoic acid.



Synthesis of hemigossypol and its derivatives

pp 5757–5760

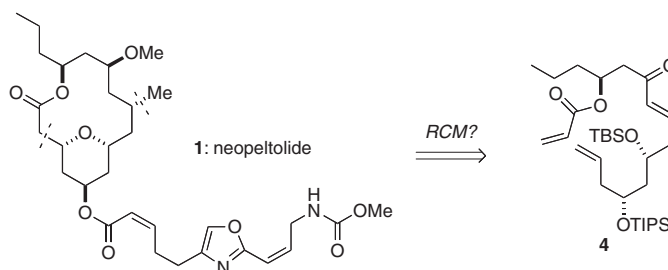
Jun Wei, David L. Vander Jagt, Robert E. Royer, Lorraine M. Deck*



Studies towards the synthesis of neopeltolide: synthesis of a ring-closing metathesis macrocyclization precursor

pp 5761–5763

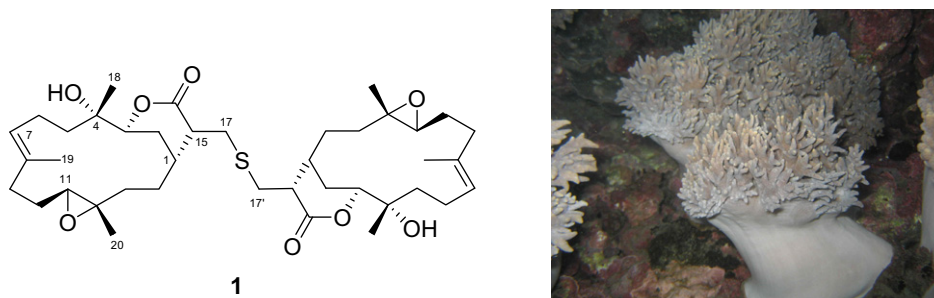
Gordon J. Florence*, Romain F. Cadou



A novel symmetric sulfur-containing biscembranoid from the Formosan soft coral *Sinularia flexibilis*

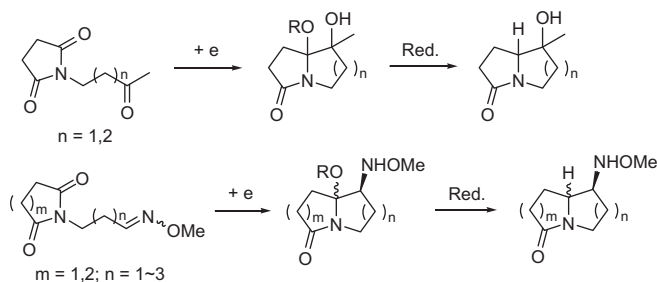
pp 5764–5766

Bo-Wei Chen, Chih-Hua Chao, Jui-Hsin Su, Chiung-Yao Huang, Chang-Feng Dai, Zhi-Hong Wen, Jyh-Horng Sheu*

**Electroreductive intramolecular coupling of aliphatic cyclic imides with ketones and *O*-methyloximes**

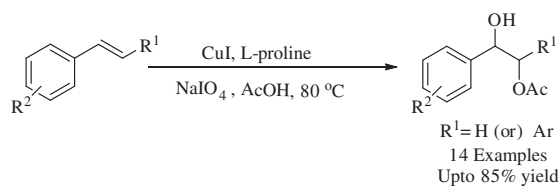
pp 5767–5770

Naoki Kise*, Kazuaki Fukazawa, Toshihiko Sakurai

**CuI/*L*-proline-catalyzed selective one-step mono-acylation of styrenes and stilbenes**

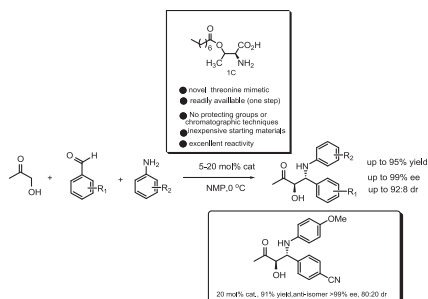
pp 5771–5774

P. Sai Prathima, C. Uma Maheswari, K. Srinivas, M. Mohan Rao*

**Threonine-surfactant organocatalysts for the highly diastereo- and enantioselective direct *anti*-Mannich reactions of hydroxyacetone**

pp 5775–5777

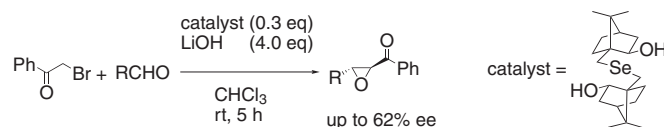
Chuanlong Wu, Xiangkai Fu*, Xuebing Ma, Shi Li, Chao Li



Enantioselective Darzens reaction using organoselenide–lithium hydroxide complexes

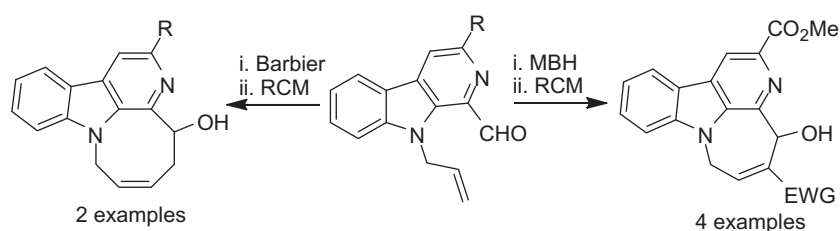
pp 5778–5780

Shin-ichi Watanabe*, Risa Hasebe, Jun Ouchi, Hideko Nagasawa, Tadashi Kataoka

**RCM-based approach to seven- and eight-member ring-fused β -carbolines**

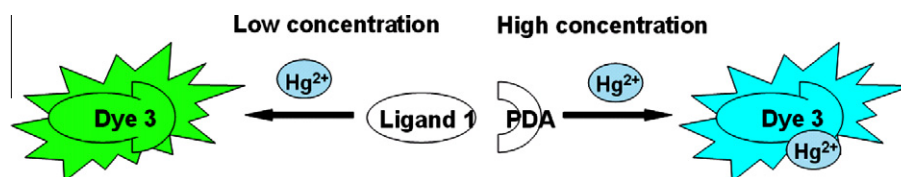
pp 5781–5783

Samiran Hutait, Sanjay Batra*

**A new fluorogenic chemodosimetric system for mercury ion recognition**

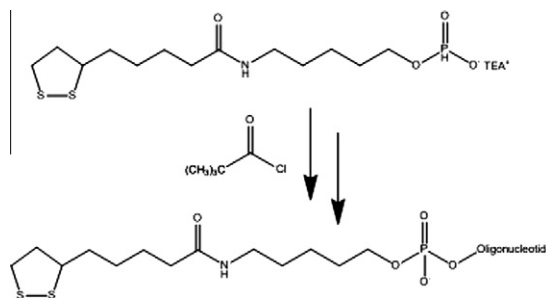
pp 5784–5786

Wen Xiu Ren, Sankarprasad Bhuniya, Jun Feng Zhang, Young Hoon Lee, Suk Joong Lee, Jong Seung Kim*

**Thioctic acid modification of oligonucleotides using an H-phosphonate**

pp 5787–5790

Jennifer A. Dougan, Andrew. K. Reid, Duncan Graham*



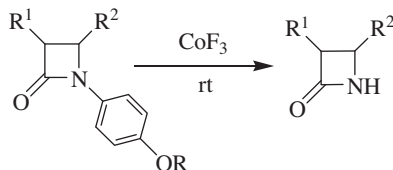
A convenient route for 5'-modification of an oligonucleotide with a cyclic disulfide, thioctic acid, is reported using the H-phosphonate method.



Synthesis of N-unsubstituted β -lactams from N-alkoxyphenyl- β -lactams with cobalt(III) fluoride

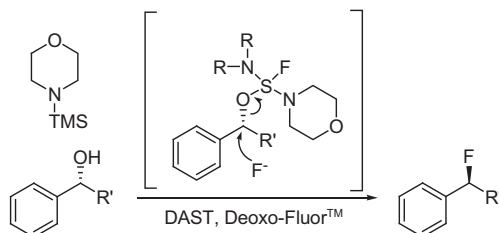
pp 5791–5794

Maarouf Zarei, Aliasghar Jarrahpour*

**Stereospecific benzylic dehydroxyfluorination reactions using Bio's TMS-amine additive approach with challenging substrates**

pp 5795–5797

Stefano Bresciani, David O'Hagan*

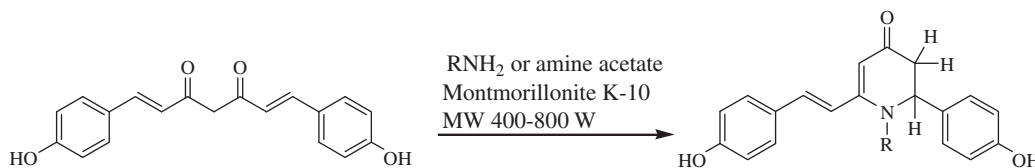


Stereospecific benzylic fluorinations are carried out on particularly challenging substrates.

**Synthesis of novel 2,3-dihydro-4-pyridinones from bisdemethoxycurcumin under microwave irradiation**

pp 5798–5800

Bahjat A. Saeed*, Wisam A. Radhi, Rita S. Elias

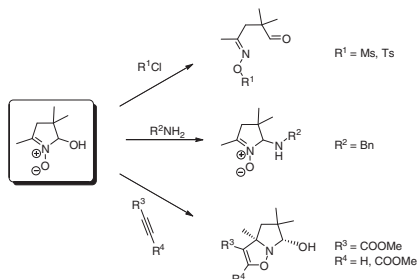


A novel synthesis of 2,3-dihydro-4-pyridinones via the reaction of bisdemethoxycurcumin and primary amines or amine acetates is demonstrated.

Diverse chemical behaviour of 2-hydroxy-functionalized pyrroline-1-oxide

pp 5801–5803

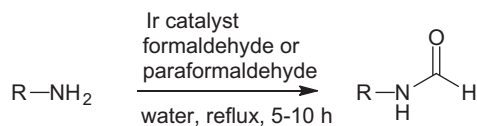
Marian Buchlovič, Stanislav Man, Milan Potáček*



Iridium-catalyzed formylation of amines with paraformaldehyde

pp 5804–5806

Ourida Saidi, Mark J. Bamford, A. John Blacker, James Lynch, Stephen P. Marsden, Pawel Plucinski, Robert J. Watson, Jonathan M. J. Williams*

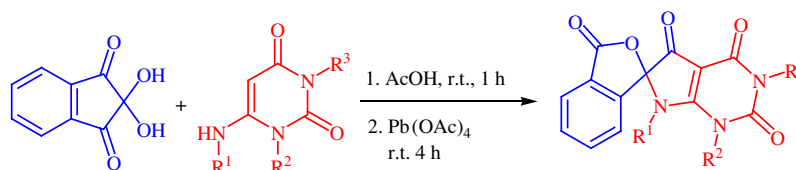


The reaction of amines with either formaldehyde or paraformaldehyde in water in the presence of $[\text{Cp}^*\text{Ir}]_2$ affords the corresponding formamides in good yields.

**A novel one-pot and efficient procedure for the synthesis of 3H-spiro[isobenzofuran-1,6'-pyrrolo[2,3-d]pyrimidine]-2',3,4',5'-tetraones**

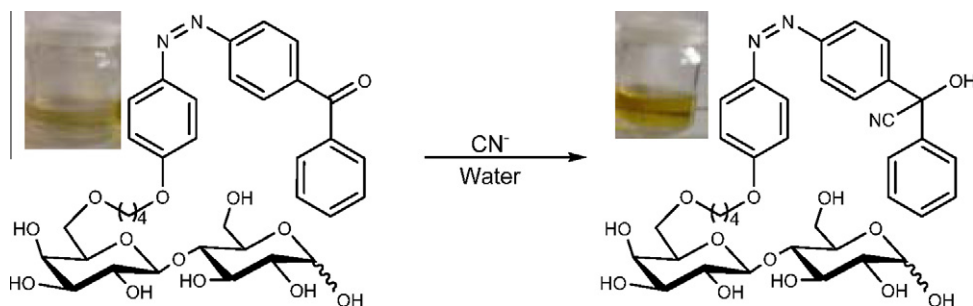
pp 5807–5809

Mohammad Reza Mohammadzadeh*, Mojtaba Bahramzadeh, S. Zainabkhatoon Taghavi

**New color chemosensors for cyanide based on water soluble azo dyes**

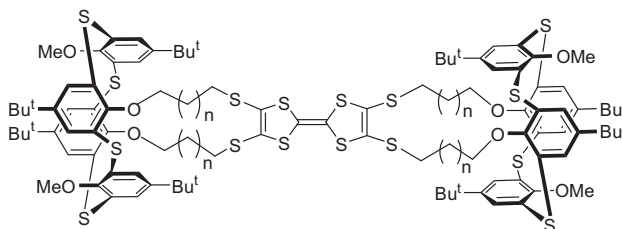
pp 5810–5814

Jalal Isaad*, Anne Perwuelz

**Synthesis and electrochemical behavior of a model redox-active thiocalix[4]arene-tetrathiafulvalene assembly**

pp 5815–5818

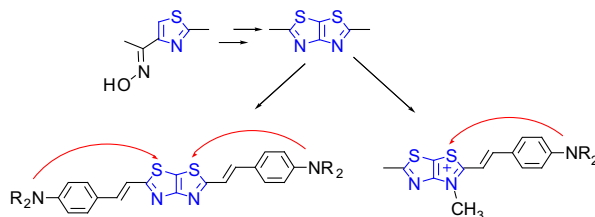
Bang-Tun Zhao*, Zhen Zhou, Zhen-Ning Yan, Esmah Belhadj, Franck Le Derf, Marc Sallé*



Thiazolo[4,5-d]thiazole—a new domain for potential optoelectronic application

pp 5819–5821

Peter Zahradník, Peter Magdolen*, Pavol Zahradník

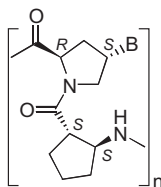


A new route to 2,5-dimethylthiazolo[4,5-d]thiazole has been developed. The condensation products of this compound represent dipolar D- π -A or quadrupolar D- π -A- π -D structures with intramolecular charge transferability.

DNA-, RNA- and self-pairing properties of a pyrrolidinyl peptide nucleic acid with a (2'R,4'S)-2-aminocyclopentanecarboxylic acid backbone

pp 5822–5826

Jarů Taechalertpaisarn, Pitchanun Sriwarom, Chalotorn Boonlua, Nattawut Yotapan, Chotima Vilaivan, Tirayut Vilaivan*

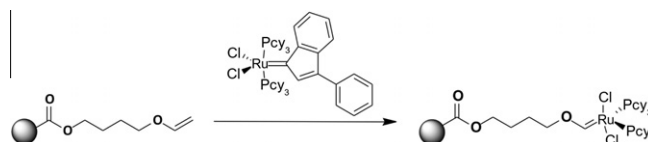


A pyrrolidinyl peptide nucleic acid (PNA) with an alternating nucleobase-modified proline at the 4' position with (2'R,4'S) configuration and a (1S,2S)-2-aminocyclopentane-carboxylic acid backbone was synthesized and its DNA-, RNA- and self-pairing properties evaluated.

**Removal of an olefin metathesis catalyst using 4-nitrophenyl acrylate based polymer supports**

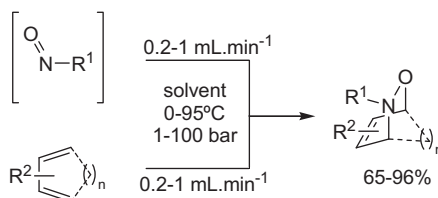
pp 5827–5829

Irena Pulko, Martina Sandholzer, Mitja Kolar, Christian Slugovc*, Peter Krajnc*

**Straightforward hetero Diels–Alder reactions of nitroso dienophiles by microreactor technology**

pp 5830–5833

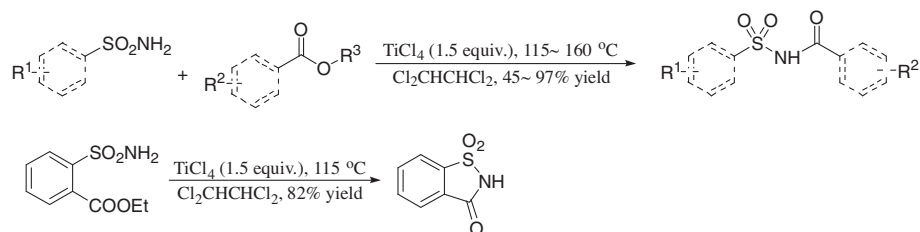
Jean-Christophe M. R. Monbaliu, Ana Cukalovic, Jacqueline Marchand-Brynaert, Christian V. Stevens*



TiCl₄-promoted direct N-acylation of sulfonamide with carboxylic ester

pp 5834–5837

Shaomin Fu, Xiaoyan Lian, Tongmei Ma, Wenhua Chen, Meifang Zheng, Wei Zeng*

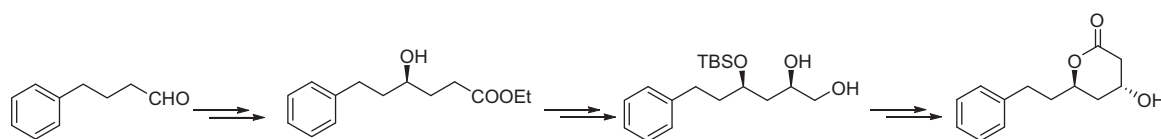


Several Lewis acids were investigated as promoters in the intermolecular or intramolecular direct N-acylation reaction of sulfonamides using carboxylic ester as an acylating agent. TiCl₄ was found to possess the highest activity and enhanced efficiently sulfonamide to form N-acylsulfonamides under optimized conditions. This method provides a novel approach to make N-acylsulfonamides from ester via an easy work-up procedure.

**An organocatalytic route to the synthesis of lactone moiety of compactin and mevinolin**

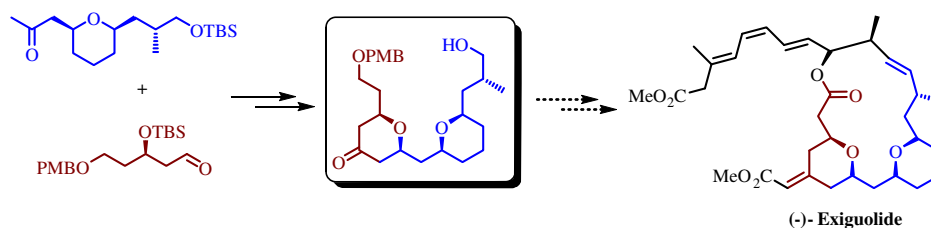
pp 5838–5839

Pradeep Kumar*, Menaka Pandey, Priti Gupta, Dilip D. Dhavale

**Synthesis of the methylene bis-tetrahydropyran motif of (-)-exiguolide**

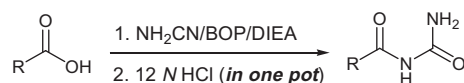
pp 5840–5842

Ch. Raji Reddy*, N. Narsimha Rao

**Novel two-step, one-pot synthesis of primary acylureas**

pp 5843–5844

Zili Xiao, Michael G. Yang*, Andrew J. Tebben, Michael A. Galella, David S. Weinstein

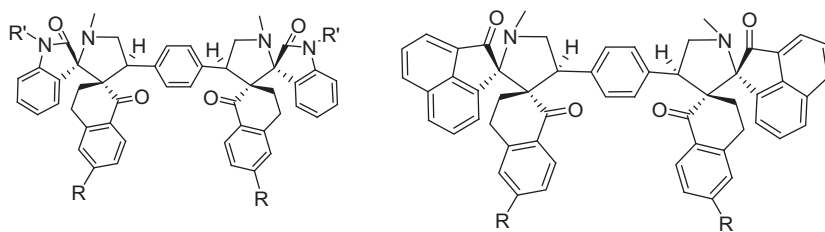


A new procedure for the synthesis of primary acylureas from cyanamide and a variety of carboxylic acids is described. Under mild reaction conditions, the products were obtained in good yield from commercially available starting materials.

Regio- and stereoselective synthesis of novel tetraspiro-bispyrrolidine and bisoxindolopyrrolidine derivatives through 1,3-dipolar cycloaddition reaction

pp 5845–5848

R. Rajesh, R. Raghunathan*

**OTHER CONTENT****Corrigendum**

p 5849

*Corresponding author

Supplementary data available via ScienceDirect

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