

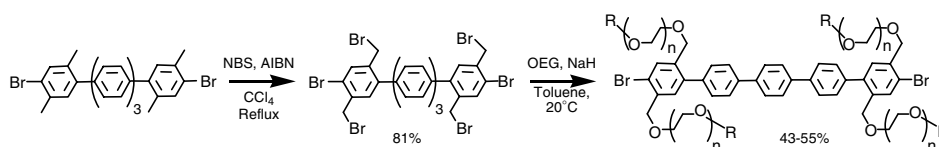
Contents

COMMUNICATIONS

Synthesis of penta-*p*-phenylenes with oligo(ethylene glycol) side chains

pp 6075–6079

J. Manuel López-Romero,* Rodrigo Rico, Rocío Martínez-Mallorquín, Jesús Hierrezuelo, Elena Guillén, Chengzhi Cai, J. Carlos Otero and Isabel López-Tocón

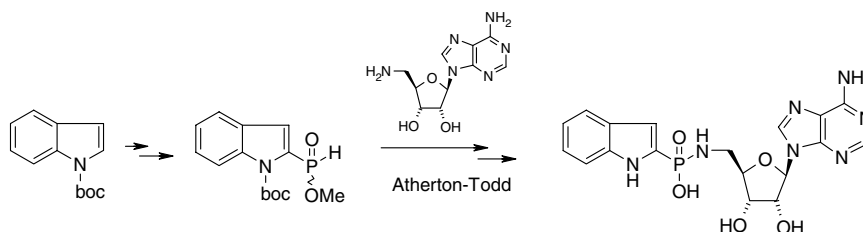


An efficient synthesis of a series of penta-*p*-phenylenes derivatives with four side chains of various lengths, including deca(ethylene glycol) groups, is reported. Side chains are introduced in the last step of the synthesis.

Synthesis of a 2-indolylphosphonamide derivative with inhibitory activity against yersiniabactin biosynthesis

pp 6080–6083

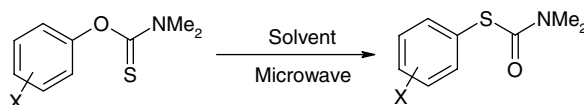
Philippe Bisseret,* Sabine Thielges, Stéphane Bourg, Marcus Miethke, Mohamed A. Marahiel and Jacques Eustache*



The importance of agitation and fill volume in small scale scientific microwave reactors

pp 6084–6087

Jonathan D. Moseley,* Philip Lenden, Anthony D. Thomson and John P. Gilday

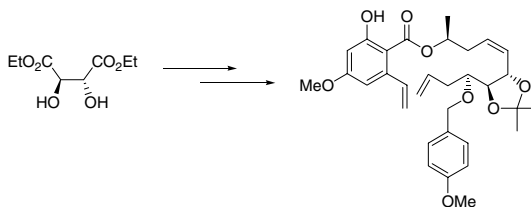


The effect of agitation and fill volume in small scale microwave reactors on the rate of homogenous reaction solutions is reported.

Fast and efficient synthesis of the complete LL-Z1640-2 framework

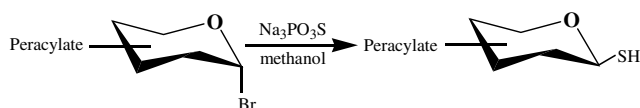
pp 6088–6091

Neil Henry, Murray N. Robertson and Rodolfo Marquez*

**A novel stereoselective synthesis of 1,2-*trans*-thioaldoses**

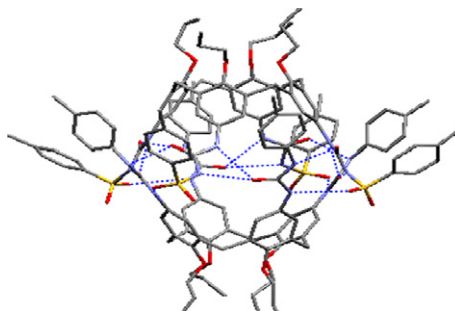
pp 6092–6095

Weihua Xue,* Xiaoyun Cheng, Jian Fan, Huajia Diao, Chunming Wang, Lei Dong, Yi Luo, Jiangning Chen and Junfeng Zhang

**Heterodimer of tetraaryl- and tetratosylurea calix[4]arenes: first single crystal X-ray analysis and guest encapsulation properties in CDCl₃**

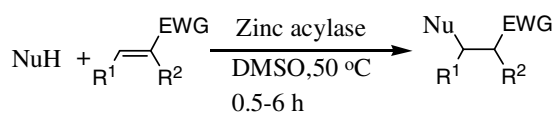
pp 6096–6099

Guang-Ke Li, Yong Yang, Chuan-Feng Chen* and Zhi-Tang Huang*

**Promiscuous acylase-catalyzed aza-Michael additions of aromatic N-heterocycles in organic solvent**

pp 6100–6104

Chao Qian, Jian-Ming Xu, Qi Wu, De-Shui Lv and Xian-Fu Lin*



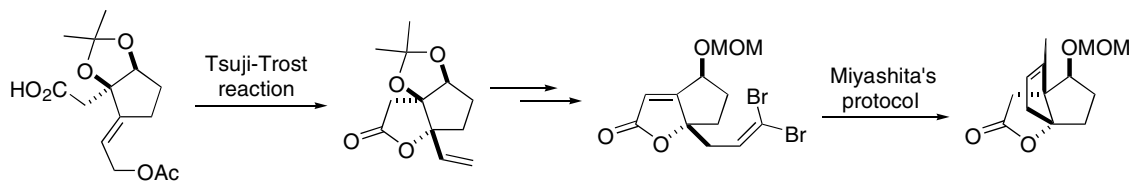
NuH=aromatic N-heterocycles; R¹, R²=H, CH₃;
EWG=COOMe, COOEt, COOBu, COOCH=CH₂, CN.

An efficient protocol for aza-Michael addition of aromatic N-heterocycles to α,β -unsaturated compounds has been described. The reaction was catalyzed by promiscuous zinc-active-site acylase in organic solvent at 50 °C and most of the procedures could provide products in good yields in several hours (0.5–6 h).

An efficient synthesis of the CD rings model for merrilactone A

pp 6105–6108

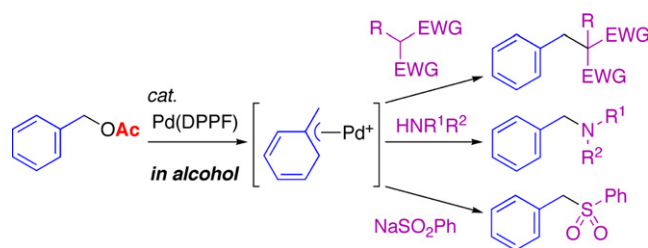
Kenichi Harada, Hitoshi Ito, Hideaki Hioki and Yoshiyasu Fukuyama*



Use of acetate as a leaving group in palladium-catalyzed nucleophilic substitution of benzylic esters

pp 6109–6112

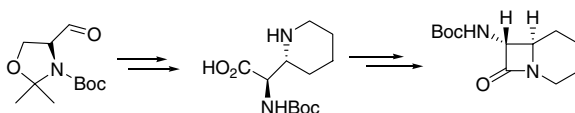
Masashi Yokogi and Ryoichi Kuwano*



A stereodivergent route to epimeric 2-piperidinyglycines: application to the synthesis of carbocyclic β -lactam derivatives

pp 6113–6116

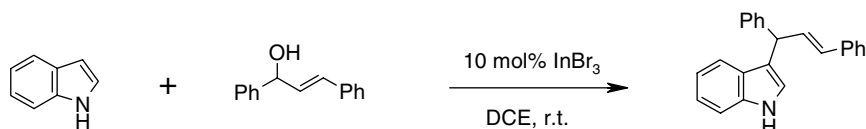
Shital K. Chattopadhyay,* Kaushik Sarkar, Latibuddin Thander and Shankar P. Roy



InBr₃ as a versatile and highly efficient catalyst for the synthesis of 3-allyl- and 3-benzylindoles

pp 6117–6120

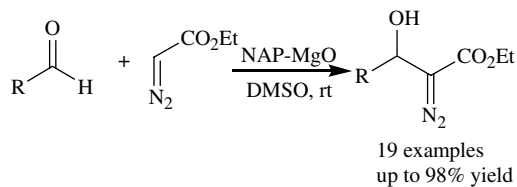
J. S. Yadav,* B. V. Subba Reddy, S. Aravind, G. G. K. S. Narayana Kumar and A. Srinivas Reddy



Synthesis of α -diazo- β -hydroxy esters using nanocrystalline MgO

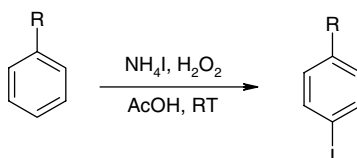
pp 6121–6123

M. Lakshmi Kantam,* L. Chakrapani and T. Ramani

**Eco-friendly oxyiodination of aromatic compounds using ammonium iodide and hydrogen peroxide**

pp 6124–6128

N. Narender,* K. Suresh Kumar Reddy, K. V. V. Krishna Mohan and S. J. Kulkarni

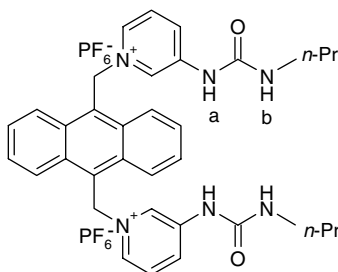


An eco-friendly procedure for the oxyiodination of aromatic compounds with NH_4I as an iodine source and H_2O_2 as an oxidant without any catalyst is presented.

Anthracene-based ureidopyridyl fluororeceptor for dicarboxylates

pp 6129–6132

Kumares Ghosh,* Goutam Masanta and Asoke P. Chattopadhyay

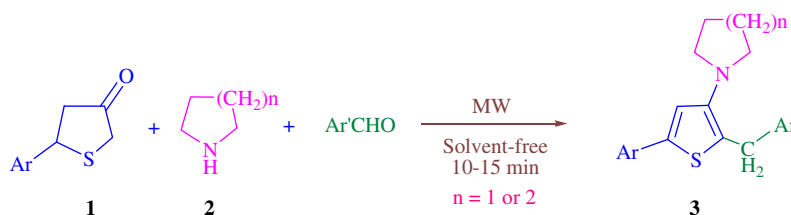


An anthracene-labelled ureidopyridyl sensor was designed and synthesized. The emission of the sensor increases in the presence of dicarboxylates.

A novel three-component tandem protocol for the regioselective synthesis of 1-(2-arylmethyl-5-aryl-3-thienyl)pyrrolidines and piperidines

pp 6133–6136

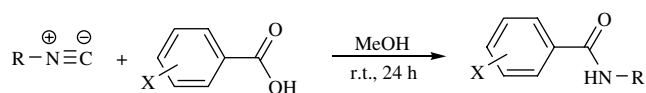
Subramanian Vedhanarayanan Karthikeyan, Subbu Perumal* and K. K. Balasubramanian



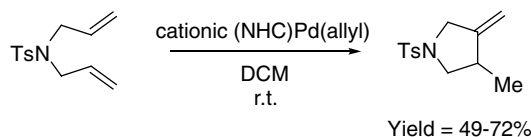
A novel approach for the synthesis of aryl amides

pp 6137–6141

Ahmad Shaabani,* Ebrahim Soleimani and Ali Hossein Rezayan

**Cationic NHC–Pd (NHC = N-heterocyclic carbene) complex-catalyzed cycloisomerization of dienes** pp 6142–6146

Young-Jin Song, Il Gu Jung, Harim Lee, Young Tak Lee, Young Keun Chung and Hye-Young Jang*

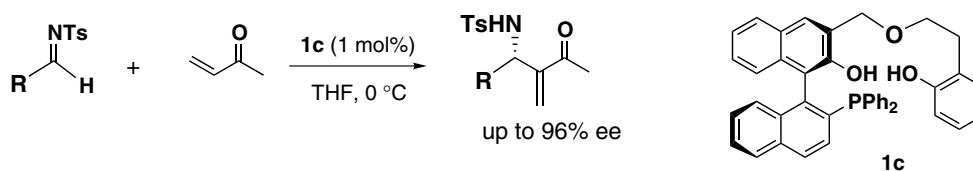


Various (NHC)Pd(η^3 -allyl)Cl complexes possessing different NHC ligands and allyl groups are utilized for the cycloisomerization of simple 1,6-dienes to afford the desired cyclized product with an excellent selectivity.

Highly enantioselective aza-Morita–Baylis–Hillman reaction with a bisphenol-based bifunctional organocatalyst

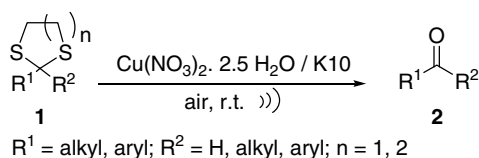
pp 6147–6149

Katsuji Ito,* Kanako Nishida and Takashi Gotanda

**Simple and efficient deprotection of 1,3-dithianes and 1,3-dithiolanes by copper(II) salts under solvent-free conditions**

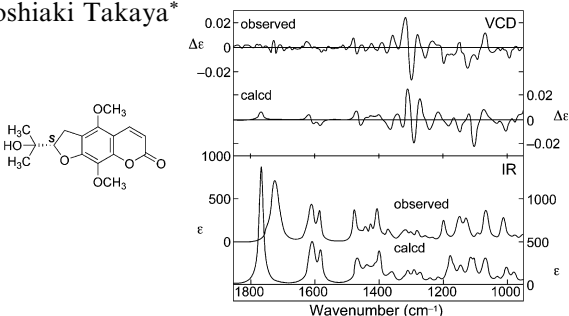
pp 6150–6154

Gabriela Oksdath-Mansilla and Alicia B. Peñeñory*



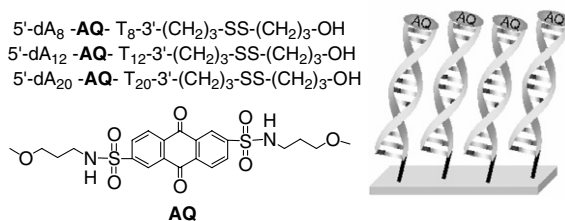
A structure and an absolute configuration of (+)-alternamin, a new coumarin from *Murraya alternans* pp 6155–6158
 having antidote activity against snake venom

Hla Myoe Min, Mya Aye, Tohru Taniguchi, Nobuaki Miura, Kenji Monde, Kazuhiko Ohzawa, Toshiaki Nikai, Masatake Niwa and Yoshiaki Takaya*



Syntheses of anthraquinone capped hairpin DNAs and electrochemical redox responses from their self-assembled monolayers on gold electrode pp 6159–6162

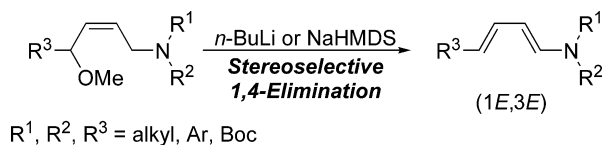
Mitsunobu Nakamura,* Masayuki Ueda, Sayuri Watanabe, Satoshi Kumamoto and Kazushige Yamana*



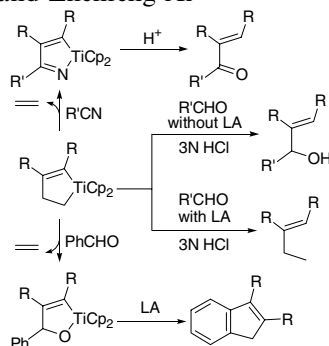
An anthraquinone (AQ) based DNA linker and hairpin-forming DNAs linked by the AQ linker were synthesized for the investigation of electron transfer through DNA.

A facile method for the stereoselective preparation of (1E,3E)-4-substituted-1-amino-1,3-dienes via 1,4-elimination pp 6163–6166

Eiji Tayama* and Sayaka Sugai



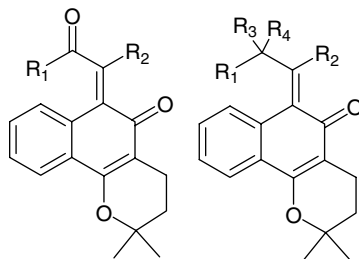
A novel reaction of titanacyclopentenes and aldehydes with or without Lewis acids pp 6167–6170
 Qiaoshu Hu, Dongzhen Li, Huijun Zhang and Zhenfeng Xi*



Synthesis of new carbonyl and fluoroalkyl *o*-quinone methides from β -lapachone

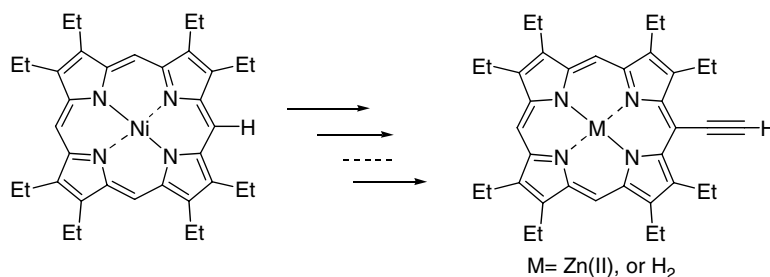
pp 6171–6173

Milton N. da Silva, Sabrina B. Ferreira, Alessandra Jorqueira, Maria C. B. V. de Souza, Antonio V. Pinto, Carlos R. Kaiser and Vitor F. Ferreira*

Synthesis of new carbonyl and fluoroalkyl *o*-quinone methides of β -lapachone is reported.**Convenient preparation of 5-ethynyl-octaethylporphyrin free base and zinc complex**

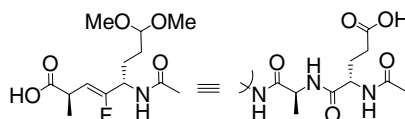
pp 6174–6176

Grégory Pognon, Nugzar Zh. Mamardashvilli and Jean Weiss*

A method leading to the preparation of the free base or zinc *meso*-ethynyl functionalized octaethylporphyrin has been developed, which will open the access to various *meso*-ethynyl metalloporphyrins.**Synthesis of a fluoroalkene peptidomimetic precursor of *N*-acetyl-L-glutamyl-L-alanine**

pp 6177–6180

Carole Lamy, Johann Hofmann, H el ene Parrot-Lopez and Peter Goekjian*

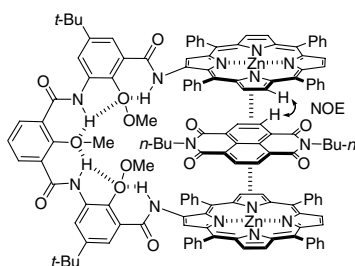


A fluoroolefin peptidomimetic of the dipeptide Glu-Ala was synthesized via an Evans asymmetric aldol reaction and an Overman rearrangement.

Hydrogen bonding-driven elastic bis(zinc)porphyrin receptors for neutral and cationic electron-deficient guests with a sandwich-styled complexing pattern

pp 6181–6185

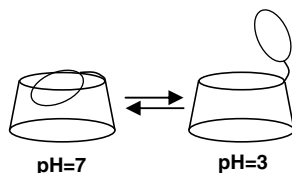
Dai-Jun Feng, Gui-Tao Wang, Jing Wu, Ren-Xiao Wang and Zhan-Ting Li*



Tuneable fluorescent marker appended to β -cyclodextrin: a pH-driven molecular switch

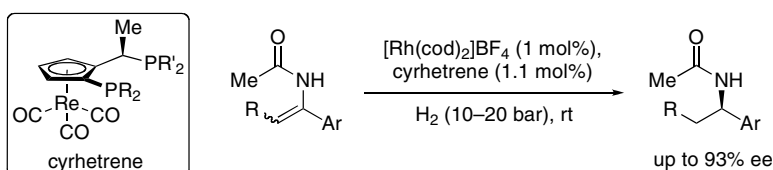
pp 6186–6188

Matthieu Becuwe, Francine Cazier, Marc Bria, Patrice Woisel and François Delattre*

**Asymmetric enamide hydrogenation using planar-chiral cyrhetrenes**

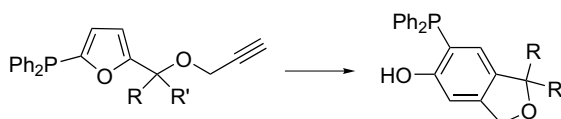
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René T. Stemmler and Carsten Bolm*

**Intramolecular Diels–Alder reaction of 2-diphenylphosphinyl-5-(propargyloxymethyl)furans followed by nucleophilic 1,2-rearrangement of the phosphinyl group**

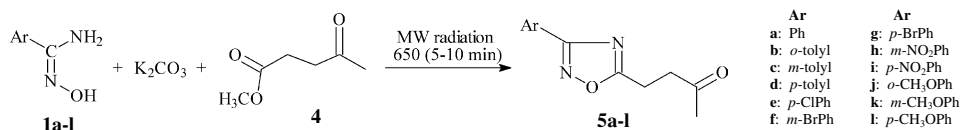
pp 6192–6194

Hsien-Jen Wu,* Chuan-Fang Liu, Zhongyi Wang and Hui-Chang Lin

**Microwave-induced one-pot synthesis of 4-[3-(aryl)-1,2,4-oxadiazol-5-yl]-butan-2-ones under solvent free conditions**

pp 6195–6198

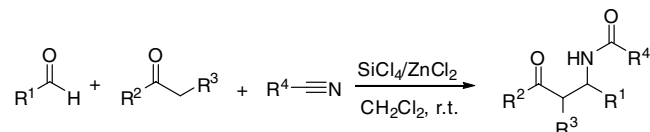
Jucleiton José R. de Freitas, Juliano Carlo R. de Freitas, Ladjane P. da Silva, João R. de Freitas Filho,* Gisele Y. V. Kimura and Rajendra M. Srivastava*



The synthesis of 4-(3-aryl-1,2,4-oxadiazol-5-yl)-butan-2-ones (**5a–l**) formed from methyl levulinate (**4**) and arylamidoximes (**1a–l**) is described. The reaction was carried out under solvent free microwave irradiation conditions in much shorter time and in yields comparable with the yields obtained by conventional method.

A SiCl₄–ZnCl₂ induced general, mild and efficient one-pot, three-component synthesis of β-amido ketone libraries pp 6199–6203

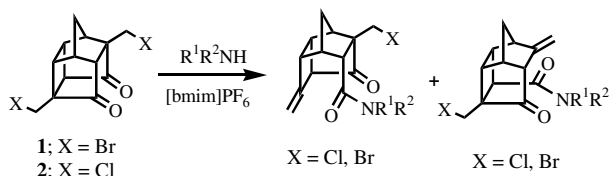
Tarek A. Salama,* Saad S. Elmorsy, Abdel-Galel M. Khalil and Mohamed A. Ismail



A general, mild and efficient protocol for the synthesis of β-amido ketone libraries was achieved utilizing SiCl₄–ZnCl₂ (TCS–ZnCl₂) at ambient temperature via a one-pot, three-component condensation of various aldehydes, ketones and nitriles.

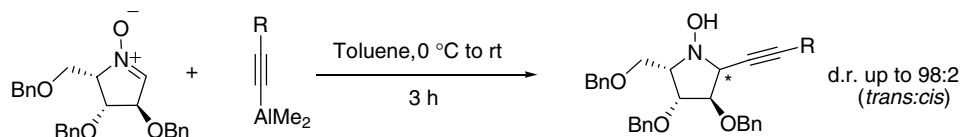
Synthesis of novel highly functionalized biologically active polycyclic caged amides pp 6204–6208

Beena James, S. Viji, Soumini Mathew, Mangalam S. Nair,* Divya Lakshmanan and R. Ajay Kumar



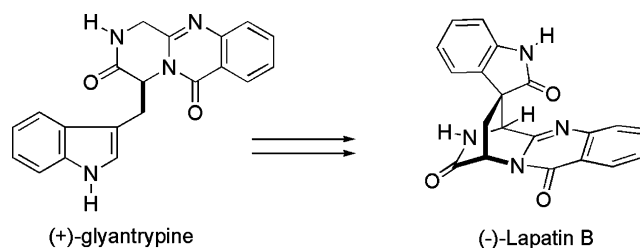
Diastereoselective addition of alkynylalanes to carbohydrate-derived nitrones pp 6209–6213

Christelle Pillard, Valérie Desvergnès* and Sandrine Py*



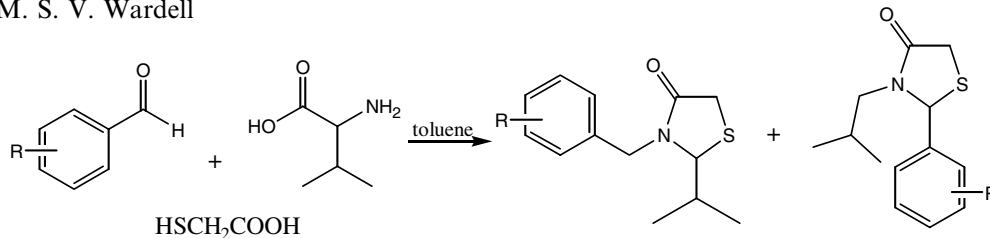
Synthesis of (–)-lapatin B pp 6214–6216

Steven J. Walker and David J. Hart*



One-pot synthesis of 2-isopropyl-3-benzyl-1,3-thiazolidin-4-ones and 2-phenyl-3-isobutyl-1,3-thiazolidin-4-ones from valine, arenealdehydes and mercaptoacetic acid pp 6217–6220

Wilson Cunico,* Claudia R. B. Gomes, Maria de Lourdes G. Ferreira, Liliane R. Capri, Marcio Soares and Solange M. S. V. Wardell

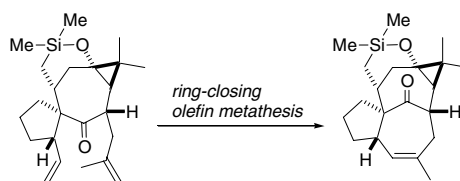


The study of the synthesis of 4-thiazolidinones has been described.


Synthetic study on 13-oxyingenol: construction of the full carbon framework

pp 6221–6224

Ichiro Hayakawa, Yuki Asuma, Takayuki Ohyoshi, Kenta Aoki and Hideo Kigoshi*


OTHER CONTENT

Corrigendum

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*Corresponding author

Supplementary data available via ScienceDirect

 Available online at www.sciencedirect.com


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