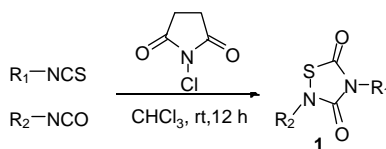


Tetrahedron Letters Vol. 50, No. 3, 2009

Contents

N-Chlorosuccinimide is a convenient oxidant for the synthesis of 2,4-disubstituted 1,2,4-thiadiazolidine-3,5-diones pp 257–259

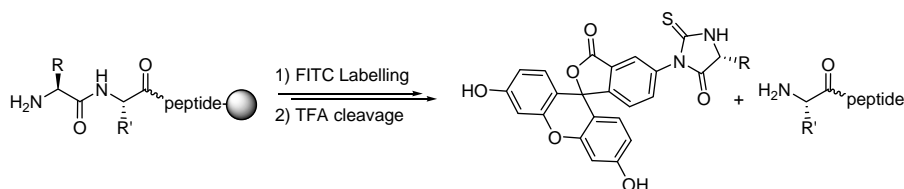
Shama Nasim, Peter A. Crooks *



N-Chlorosuccinimide has been identified as a convenient and safe alternative oxidant for the oxidative condensation of isothiocyanates and isocyanates to afford 1,2,4-thiadiazolidine-3,5-diones.

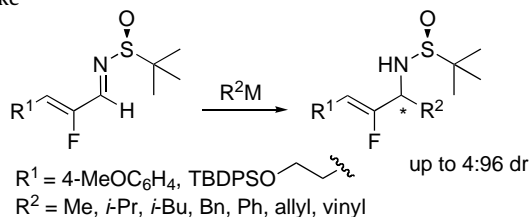
N-terminus FITC labeling of peptides on solid support: the truth behind the spacer pp 260–263

Magali Jullian, Anaïs Hernandez, Amélie Maurras, Karine Puget, Muriel Amblard, Jean Martinez, Gilles Subra *



Diastereocontrolled addition of organometallic reagents to S-chiral N-(tert-butanesulfinyl)- α -fluoroenamines pp 264–266

Camille Pierry, Ludivine Zoute, Philippe Jubault, Emmanuel Pfund, Thierry Lequeux, Dominique Cahard, Samuel Couve-Bonnaire, Xavier Pannecoucke *

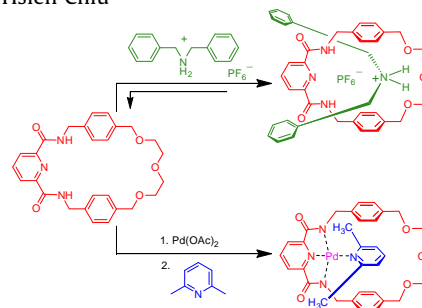


Grignard and organolithium reagents efficiently react with (S)-N-(tert-butanesulfinyl)- α -fluoroenamines to provide chiral allyl amines in excellent yields and high diastereomeric ratios.

Two [2]pseudorotaxane-like complexes and their corresponding [2]rotaxanes stabilized via interactions on opposite ends of the same macrocycle

pp 267–270

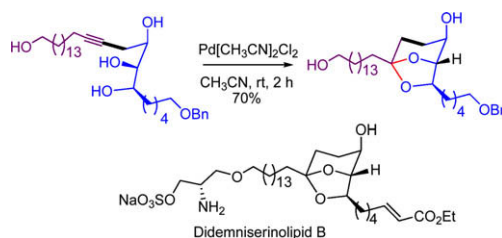
Wei-Chung Hung, Liang-Yun Wang, Chien-Chen Lai, Yi-Hung Liu, Shie-Ming Peng, Sheng-Hsien Chiu *



A formal synthesis of (+)-didemniserinolipid B employing a Pd-mediated 6-endo selective alkynediol cycloisomerization

pp 271–273

C. V. Ramana *, Boddeti Induvadana

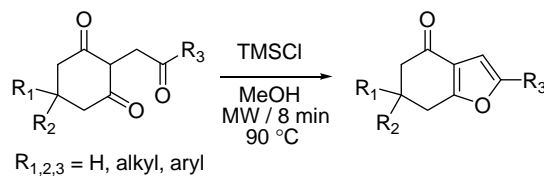


A concise assembly of a central 6,8-dioxabicyclo[3,2,1]octane core of didemniserinolipid featuring a Pd-mediated alkynediol cycloisomerization has facilitated a formal synthesis of didemniserinolipid B

Microwave-assisted synthesis of 4-keto-4,5,6,7-tetrahydrobenzofurans

pp 274–276

Sylvie Goncalves, Alain Wagner *, Charles Mioskowski, Rachid Baati *

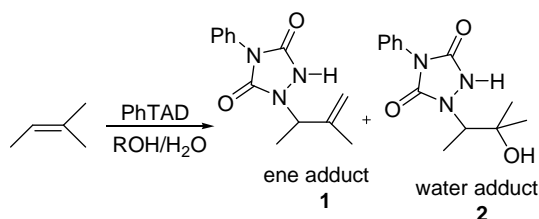


The use of TMSCl in methanol under microwave irradiation allows the intramolecular condensation of a panel of triketones, giving rise to 4-keto-4,5,6,7-tetrahydrobenzofurans.

Reaction of a triazolinedione with simple alkenes. Isolation and characterization of hydration products

pp 277–280

Zois Syrgiannis, Fotios Koutsianopoulos, Kenneth W. Muir, Yiannis Elemes *

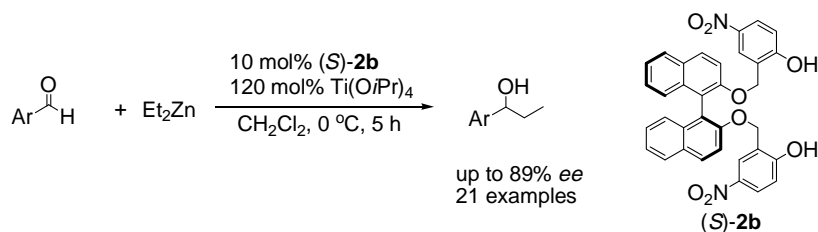


The reaction of *N*-phenyltriazolinedione with simple alkenes in alcohol/water mixtures affords, in addition to the ene adduct, an alcohol which arises from the addition of water to the aziridinium imide intermediate. The structures of the new hydration products have been established by X-ray analysis and spectroscopy.



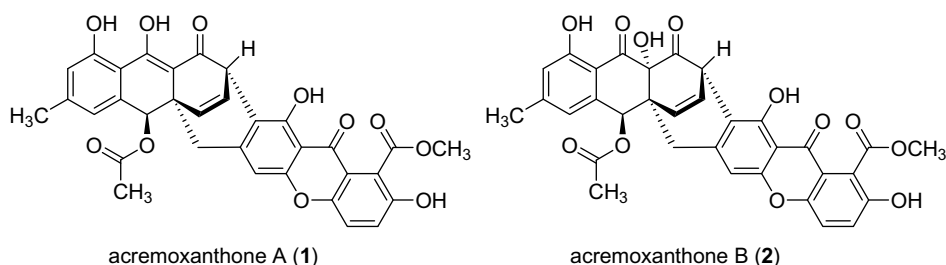
Enantioselective addition of diethylzinc to aromatic aldehydes catalyzed by Ti(IV) complexes of C₂-symmetrical chiral BINOL derivatives pp 281–283

Shaohua Gou, Zaher M. A. Judeh *

**Acremoxanthonones A and B, novel antibiotic polyketides from the fungus *Acronium* sp. BCC 31806**

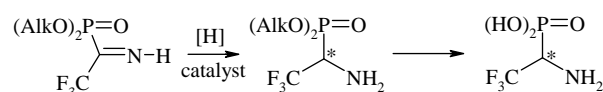
pp 284–287

Masahiko Isaka *, Somporn Palasarn, Patchanee Auncharoen, Somjit Komwijit, E. B. Gareth Jones

**A new strategy for asymmetric synthesis of aminophosphonic acid derivatives: the first enantioselective catalytic reduction of C-phosphorylated imines**

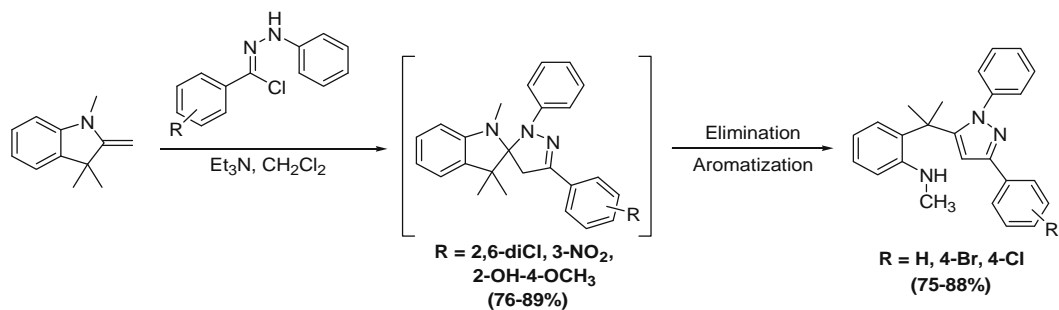
pp 288–290

Yuliya V. Rassukana, Petro P. Onys'ko *, Mykola V. Kolotylo, Anatolii D. Sinita, Piotr Łyżwa, Marian Mikołajczyk *

**A novel synthesis of 1,3,5-trisubstituted pyrazoles through a spiro-pyrazoline intermediate via a tandem 1,3-dipolar cycloaddition/elimination**

pp 291–294

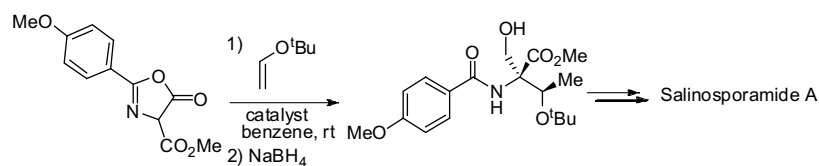
Sureshbabu Dadiboyena, Edward J. Valente, Ashton T. Hamme II *



New synthetic route to access (\pm) salinosporamide A via an oxazolone-mediated ene-type reaction

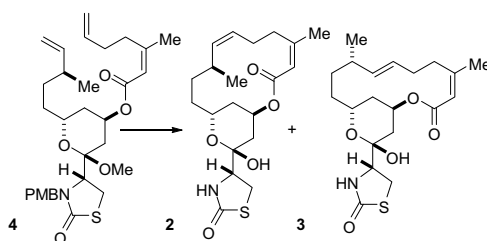
pp 295–297

Robert A. Mosey, Jetze J. Tepe *


Examination of the olefin–olefin ring closing metathesis to prepare Latrunculin B

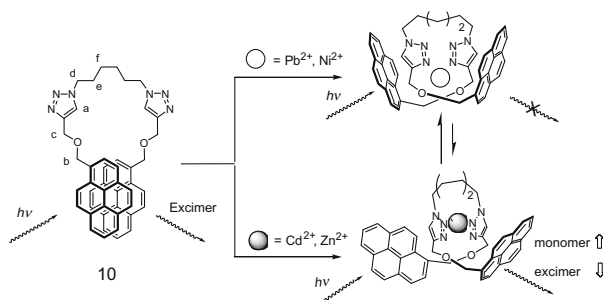
pp 298–301

Jin She, John W. Lampe, Alexandra B. Polianski, Paul S. Watson *


Dual-mode recognition of transition metal ions by bis-triazoles chained pyrenes

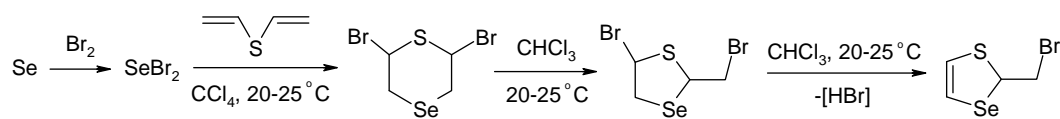
pp 302–305

Hao-Chih Hung, Chi-Wen Cheng, I-Ting Ho, Wen-Sheng Chung *


Addition of selenium dibromide to divinyl sulfide: spontaneous rearrangement of 2,6-dibromo-1,4-thiaselenane to 5-bromo-2-bromomethyl-1,3-thiaselenolane

pp 306–308

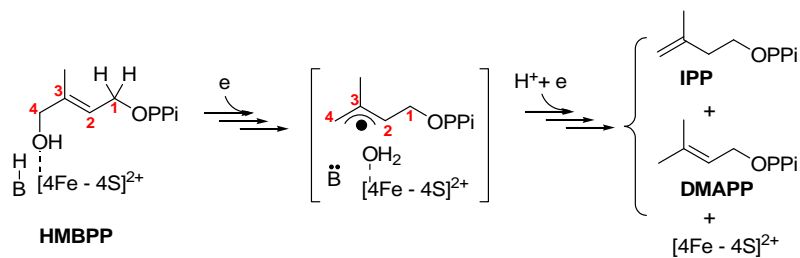
Svetlana V. Amosova *, Maxim V. Penzik, Alexander I. Albanov, Vladimir A. Potapov *



Synthesis of [1-¹³C] and stereo-specifically [1-²H] labeled fluorinated substrate analogues of IspH enzyme in the deoxyxylulose phosphate pathway

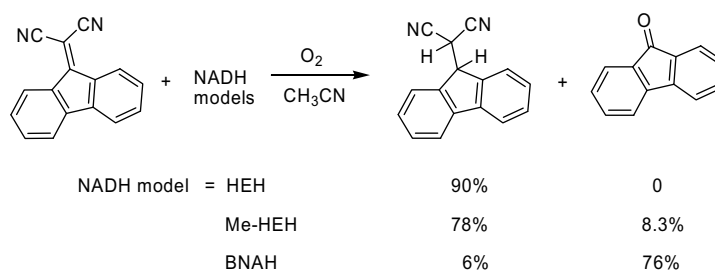
pp 309–311

Youli Xiao, Pinghua Liu *


A study on the reactions of NADH models with electron-deficient alkenes. A probe for the extreme of concerted electron-hydrogen atom transfer mechanism

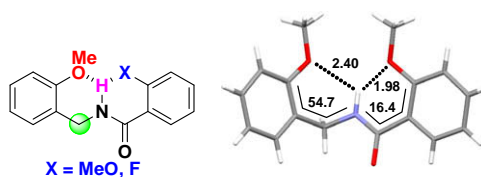
pp 312–315

Xin-Qiang Fang, Hua-Jian Xu, Hong Jiang, You-Cheng Liu *, Yao Fu, Yun-Dong Wu *


Intramolecular N–H···O and N–H···N hydrogen bonding patterns in N-benzyl and N-(pyridin-2-ylmethyl) benzamides

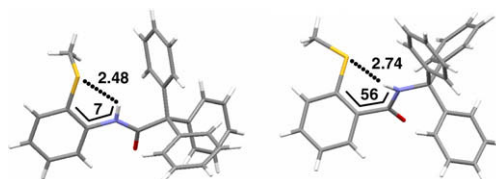
pp 316–319

Ping Du, X-Kui Jiang, Zhan-Ting Li *


Five- and six-membered N–H···S hydrogen bonding in aromatic amides

pp 320–324

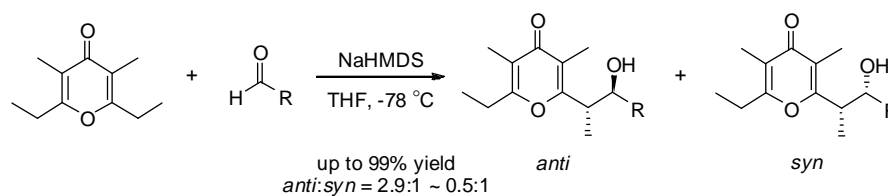
Ping Du, X-Kui Jiang, Zhan-Ting Li *



Aldol-type reaction of a 4-pyrone: a straightforward approach to 4-pyrone-containing natural products

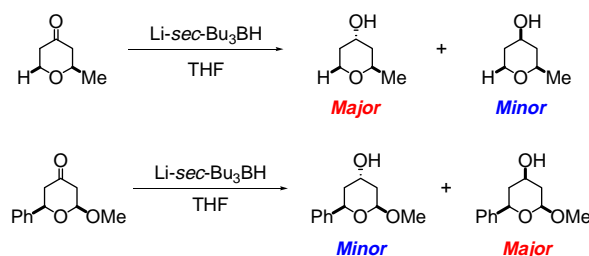
pp 325–328

Tetsuya Sengoku, Takuma Takemura, Emi Fukasawa, Ichiro Hayakawa, Hideo Kigoshi *

**The Danishefsky pyranone puzzle: an explanation based on the exterior frontier orbital extension model**

pp 329–332

Daisuke Kaneno, Shuji Tomoda *

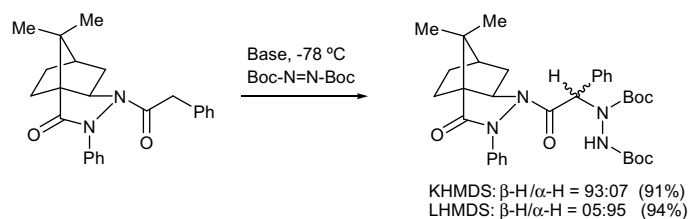


The unusual facial stereoselection in the hydride reduction of the Danishefsky pyranones (2,3,5,6-tetrahydro-4-pyrans) with L-Selectride (Li-sec-Bu₃BH) has been explained based on the exterior frontier orbital extension model (the EFOE model).

Diastereoselective electrophilic α -amination of camphor N^1 -acyl N^2 -phenylpyrazolidinones: the metal enolate-dependent synthesis of two possible hydrazide diastereomers

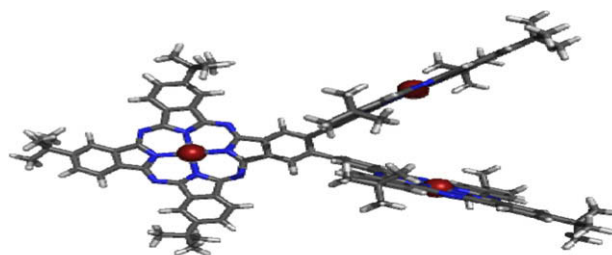
pp 333–336

Chin-Sheng Chao, Chung-Kai Cheng, Ssu-Hsien Li, Kwunmin Chen *

**Phthalocyanine-boronates: a synthon for the preparation of molecular assemblies**

pp 337–339

Hasrat Ali, Johan E. van Lier *

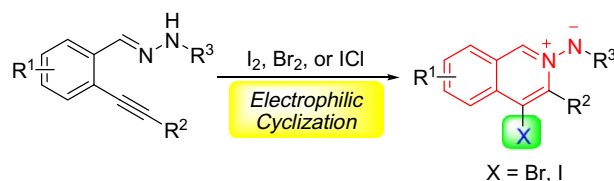


(Model of Pc-Pc branched triad)

Highly efficient electrophilic cyclization of *N*-(2-alkynylbenzylidene)hydrazides

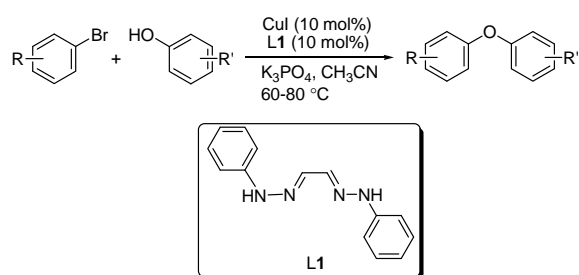
pp 340–342

Qiuping Ding, Zhiyuan Chen, Xingxin Yu, Yiyuan Peng *, Jie Wu *

**Glyoxal bis(phenylhydrazone) as promoter for CuI-catalyzed O-arylation of phenols with bromoarenes**

pp 343–346

Yu-Hua Liu, Gang Li, Lian-Ming Yang *

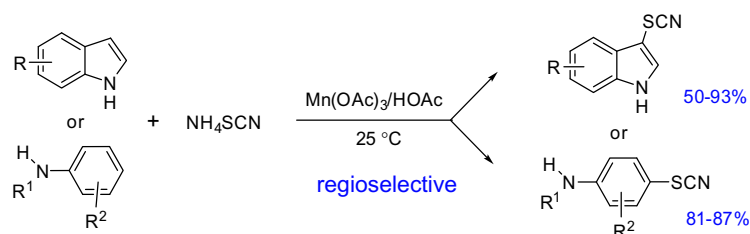


A very simple bishydrazone-type ligand, glyoxal bis(phenylhydrazone) (L1), was found to effectively promote the CuI-catalyzed O-arylation of phenols with aryl bromides under mild conditions. A diverse array of phenols and bromoarenes was employed as substrates to afford diaryl ethers in good to excellent yields.

Mn(OAc)₃-promoted regioselective free radical thiocyanation of indoles and anilines

pp 347–349

Xiang-Qiang Pan, Mao-Yi Lei, Jian-Ping Zou *, Wei Zhang *

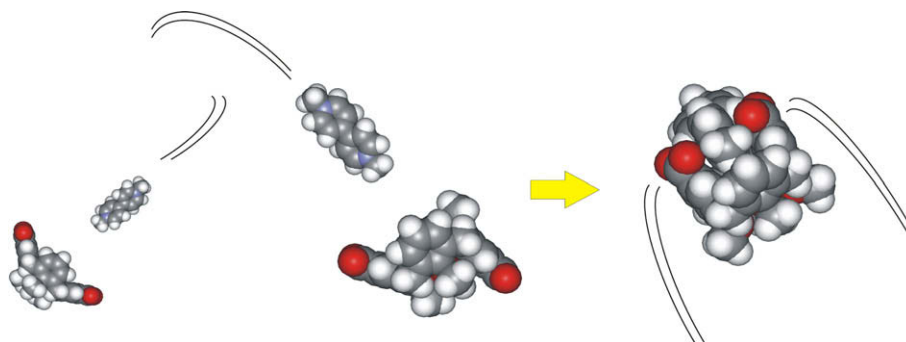


Mn(OAc)₃-promoted free radical thiocyanations of indoles and anilines are introduced. Reactions performed under mild conditions give regioselective products in good to excellent yields.

**Induced-fit recognition by *p*-carboxylatocalix[4]arene hosts**

pp 350–353

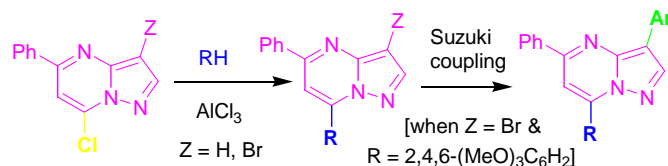
Teresa Pierro, Carmine Gaeta *, Francesco Troisi, Placido Neri *



Reactivity of the –C(Cl)C–CN– moiety towards AlCl₃-induced C–C bond forming reactions: a new synthesis of 7-(hetero)aryl-substituted pyrazolo[1,5-a]pyrimidines

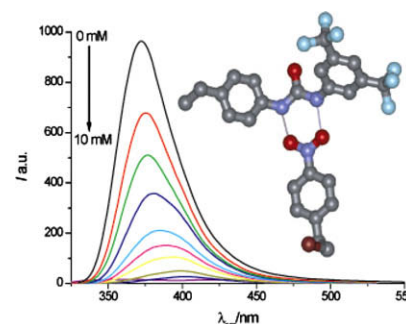
pp 354–358

Arumugam Kodimuthali, Nishad T. C., Padala Lakshmi Prasunamba, Manojit Pal *


Synthetic receptors for neutral nitro derivatives

pp 359–362

Umporn Athikomrattanakul, Chamras Promptmas, Martin Katterle *

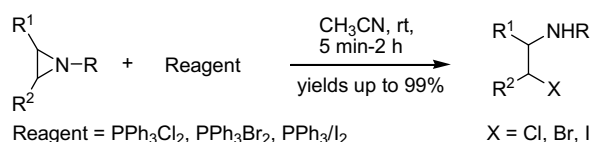


Arylurea-/guanidine-based receptors were studied concerning their binding capability towards neutral nitro groups; nitro groups; specific binding with relatively high binding constants in DMSO are revealed.


PPh₃/halogenating agent-mediated highly efficient ring opening of activated and non-activated aziridines

pp 363–365

Manoj Kumar, Sanjay K. Pandey, Shikha Gandhi, Vinod K. Singh *

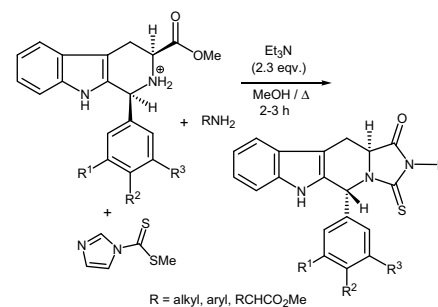


We report here the use of PPh₃/halogenating agents as highly efficient reagents for the ring opening of aziridines with halides. The method works effectively for both activated and non-activated aziridines, and furnishes the products in excellent yields within a short period of time.

Methyl 1-imidazolecarbodithioate as a thiocarbonyl transfer reagent: a facile one-pot, three-component synthesis of novel 2-substituted-5-aryl-1-oxo-3-thioxo-1,2,3,5,11,11a-hexahydro-6H-imidazo-[1,5-b]-β-carbolines

pp 366–369

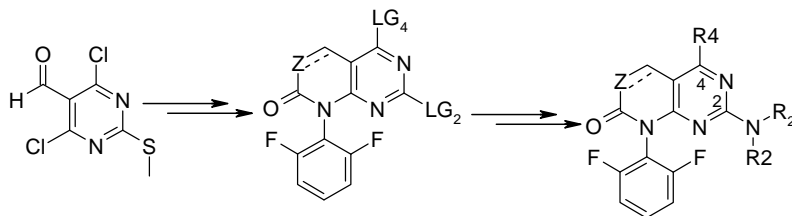

Balendu Singh, G. S. M. Sundaram, Nimesh C. Misra, Hiriyakkanavar Ila *



An efficient one-pot, three-component synthesis of novel 2-substituted-5-aryl-1-oxo-3-thioxo-1,2,3,5,11,11a-hexahydro-6H-imidazo-[1,5-b]-β-carbolines employing 1-aryl-1,2,3,4-tetrahydro-β-carboline-3-carboxylates, primary amines (or amino acid esters) and methyl 1-imidazolecarbodithioate as thiocarbonyl transfer reagent is reported.

Design and development of arrayable syntheses to accelerate SAR studies of pyridopyrimidinone and pyrimidopyrimidinone

pp 370–372

Zehong Wan ^{*}, Hongxing Yan, Ralph F. Hall, Xichen Lin, Stefano Livia, Tomasz Respondek, Katherine L. Widdowson, Chongjie Zhu, James F. Callahan^{*}Corresponding author Supplementary data available via ScienceDirect

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Chemical Engineering and Biotechnology Abstracts, Current Biotechnology Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS[®]. Full text available on ScienceDirect[®]



ELSEVIER

Available online at www.sciencedirect.com ScienceDirect

ISSN 0040-4039