

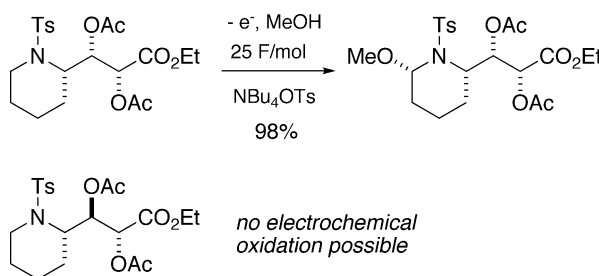
Contents

COMMUNICATIONS

Electrochemical oxidation of 2-substituted piperidines as a key step towards the synthesis of hydroxylated γ -amino acids

pp 2061–2064

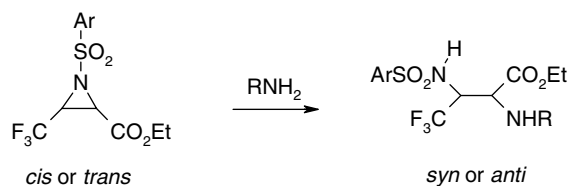
Kerstin Bodmann, Thorsten Bug, Sabine Steinbeisser, Reinhard Kreuder and Oliver Reiser*



Synthesis of fluorinated α,β -diamino esters by ring opening of activated 3-trifluoromethyl-aziridine-2-carboxylates

pp 2065–2068

Giuseppe Rinaudo, Satoru Narizuka, Néda Askari, Benoît Crousse and Danièle Bonnet-Delpon*

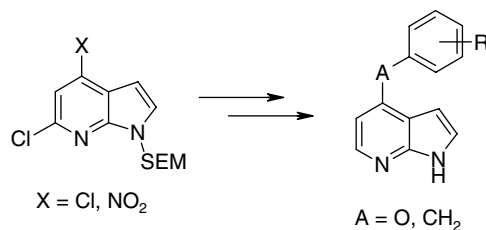


Activated trifluoromethyl aziridine-2-carboxylates undergo stereoselective ring opening with amines under neutral conditions. This reaction is an access to *syn*- and *anti*- α,β -diamino- β -trifluoromethyl esters in good yields.

Efficient synthesis of 4-O- and C-substituted-7-azaindoles

pp 2069–2072

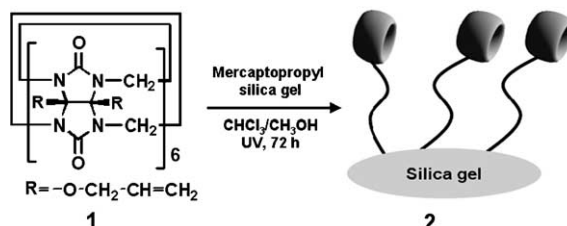
Santiago Figueroa-Pérez,* Samir Bennabi, Hartmut Schirok and Michael Thutewohl



Cucurbituril anchored silica gel

pp 2073–2075

Erumaipatty R. Nagarajan, Dong Hyun Oh, Narayanan Selvapalam, Young Ho Ko, Kyeng Min Park and Kimoon Kim*

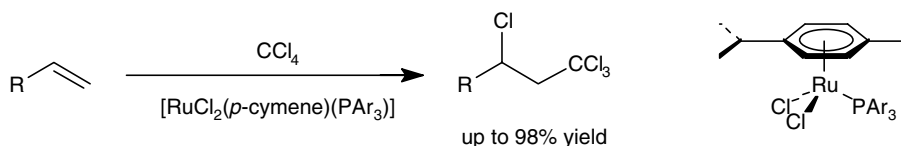


A cucurbit[6]uril anchored silica gel is synthesized via reaction of perallyloxycucurbit[6]uril and mercaptopropyl functionalized silica gel and fully characterized by various spectroscopic methods; the amount of accessible host molecules attached on silica surface is quantified by fluorescence spectroscopy using FITC-spermine as a guest molecule.

**Electrochemistry as a correlation tool with the catalytic activities in [RuCl₂(*p*-cymene)(PAR₃)]-catalysed Kharasch additions**

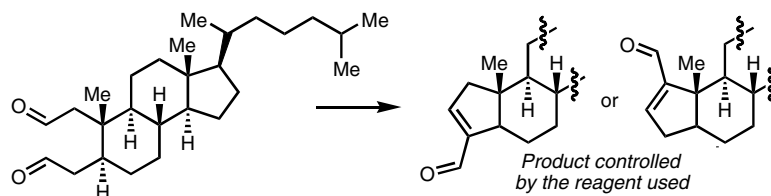
pp 2077–2081

Aurore Richel, Albert Démonceau* and Alfred F. Noels

**Regioselective aldol condensations of a cholestanone-derived dialdehyde: new twists on a classic reaction**

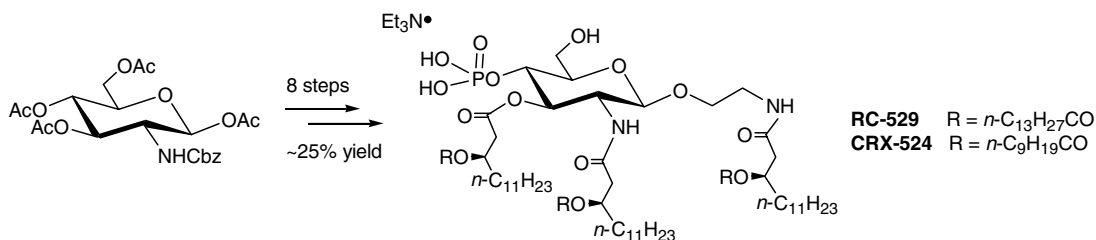
pp 2083–2086

Scott A. Snyder and E. J. Corey*

**New synthesis of glycolipid immunostimulants RC-529 and CRX-524**

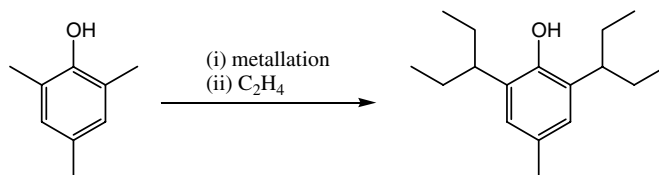
pp 2087–2092

Hélène G. Bazin, Laura S. Bess, Mark T. Livesay, Kendal T. Ryter, Craig L. Johnson, Jeffrey S. Arnold and David A. Johnson*



Selective catalytic carbanionic ethylation of methylphenols: influence of catalyst and substitution pattern pp 2093–2097

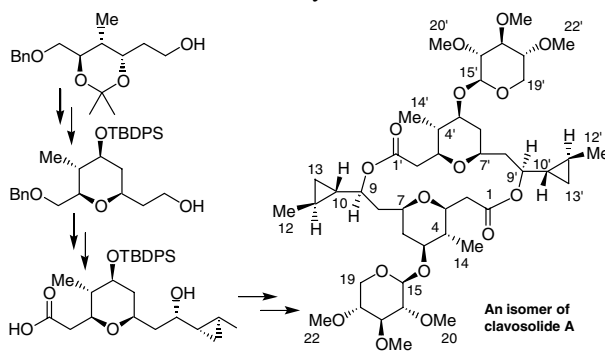
Barry R. Steele,* Carolina Villalonga-Barber, Maria Micha-Screttas and Constantinos G. Screttas



Methylphenols are converted in one pot to bulky, highly lipophilic homologues by the superbase catalysed addition of ethylene.

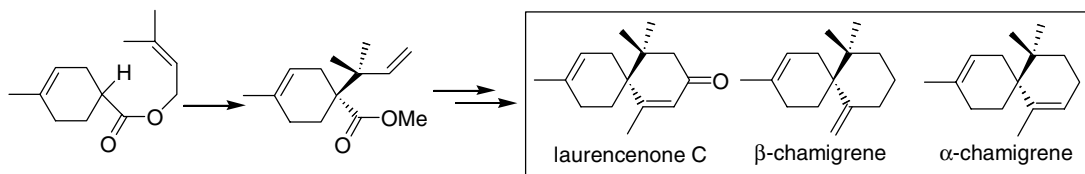
Studies directed towards the total synthesis of clavosolides: synthesis of an isomer of clavosolide A pp 2099–2102

Tushar Kanti Chakraborty* and Vakiti Ramkrishna Reddy



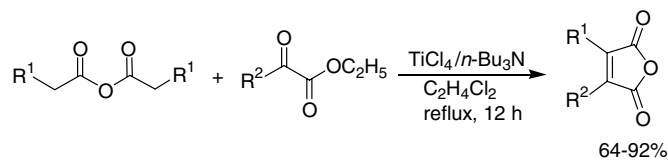
Construction of spiro[5.5]undecanes containing a quaternary carbon atom adjacent to a spirocentre via an Ireland ester Claisen rearrangement and RCM reaction sequence. Total syntheses of (±)-α-chamigrene, (±)-β-chamigrene and (±)-laurenconone C pp 2103–2106

A. Srikrishna,* B. Vasantha Lakshmi and Manoj Mathews



A simple, convenient method for the synthesis of maleic anhydrides from α-keto esters and alkanolic acid anhydrides using the TiCl4/n-Bu3N reagent system pp 2107–2109

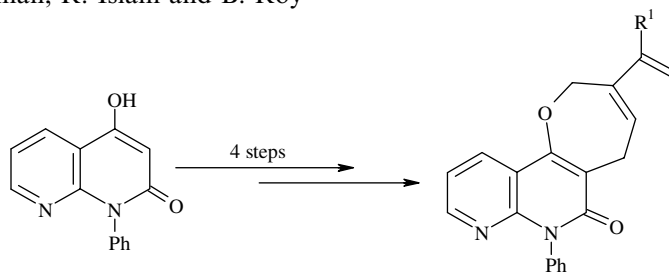
Neela Kishorebabu and Mariappan Periasamy*



Tandem Claisen rearrangement and ruthenium catalyzed enyne bond reorganization as a route to the synthesis of tricyclic 1,8-naphthyridinones

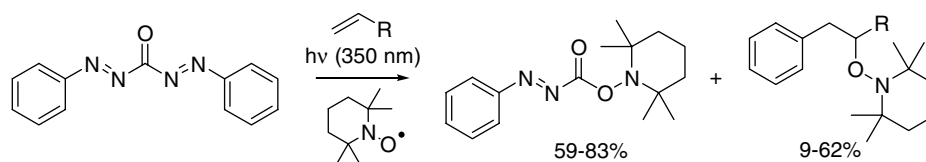
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K. C. Majumdar,* H. Rahaman, R. Islam and B. Roy


Photochemical generation and trapping of radicals from bisphenyl carbodiazone

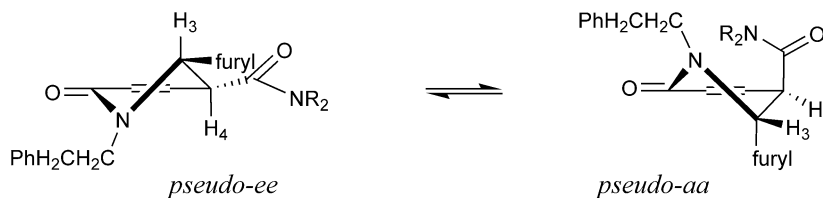
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Markus R. Heinrich* and Marcel D. Kirschstein


Synthesis of *trans/cis* 4-substituted 3-furyl-2-phenethyltetrahydroisoquinolin-1-ones: conformation of the *trans*-4-(pyrrolidinylcarbonyl) derivative

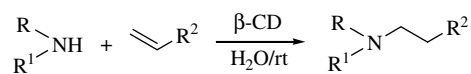
pp 2119–2123

Malinka P. Stoyanova, Silvia E. Angelova, Krasimir S. Kosev, Pavletta S. Denkova, Venelin G. Enchev and Mariana D. Palamareva*


 β -Cyclodextrin promoted aza-Michael addition of amines to conjugated alkenes in water

pp 2125–2127

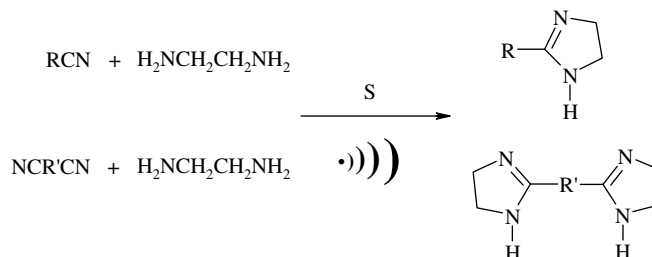
K. Surendra, N. Srilakshmi Krishnaveni, R. Sridhar and K. Rama Rao*



Rapid and efficient synthesis of 2-imidazolines and bis-imidazolines under ultrasonic irradiation

pp 2129–2132

Valiollah Mirkhani,* Majid Moghadam,* Shahram Tangestaninejad and Hadi Kargar

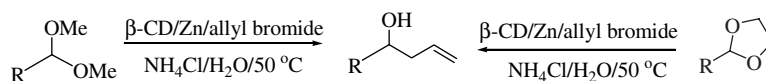


Rapid and efficient preparation of 2-imidazolines and bis-imidazolines by nucleophilic addition of EDA to nitriles in the presence of catalytic amounts of sulfur under ultrasonic irradiation is reported.

Direct Barbier-type allylation of aromatic acetals and dioxolanes in the presence of β-cyclodextrin in water

pp 2133–2136

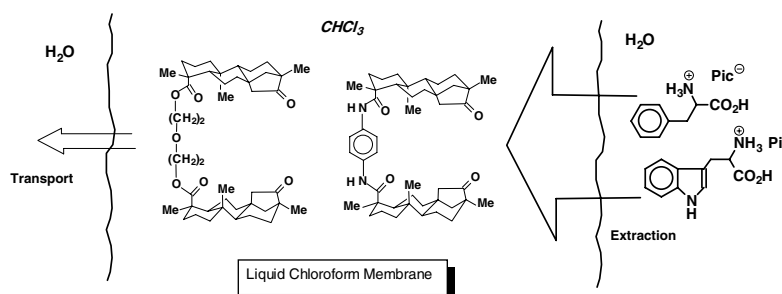
K. Surendra, N. Srilakshmi Krishnaveni and K. Rama Rao*



Isosteviol and some of its derivatives as receptors and carriers of amino acid picrates

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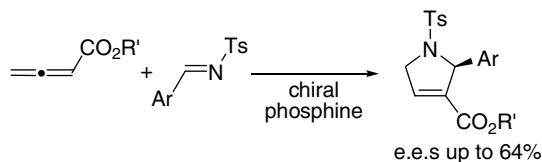
Vladimir E. Kataev,* Irina Yu. Strobykina, Olesya I. Militsina, Mayya G. Korochkina, Olga V. Fedorova, Irina G. Ovchinnikova, Marina S. Valova and Gennadiy L. Rusinov



Phosphine-catalyzed enantioselective [3+2] annulations of 2,3-butadienoates with imines

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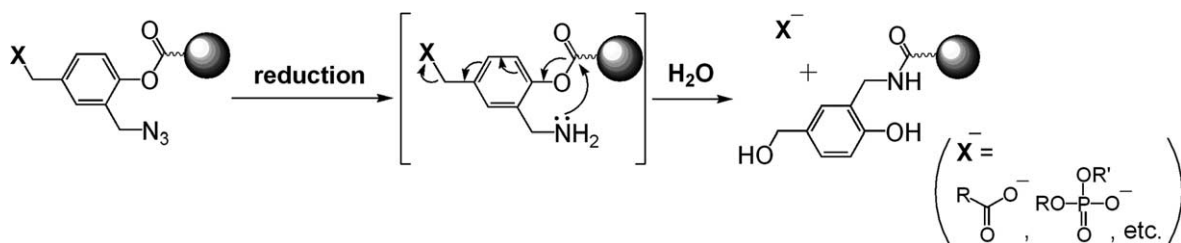
Ludovic Jean and Angela Marinetti*



A novel linker for solid-phase synthesis cleavable under neutral conditions

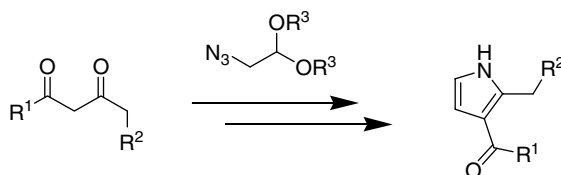
pp 2147–2150

Asako Murata and Takeshi Wada*

**Synthesis of functionalized pyrroles and 6,7-dihydro-1*H*-indol-4(5*H*)-ones by reaction of 1,3-dicarbonyl compounds with 2-azido-1,1-diethoxyethane**

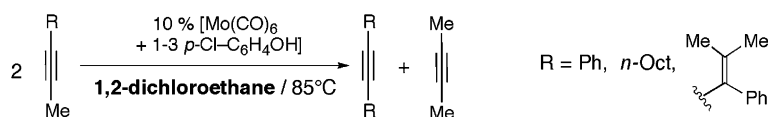
pp 2151–2154

Esen Bellur and Peter Langer*

**Alkyne metathesis: toward simplicity and efficiency**

pp 2155–2159

Valérie Maraval, Christine Lepetit, Anne-Marie Caminade, Jean-Pierre Majoral and Remi Chauvin*

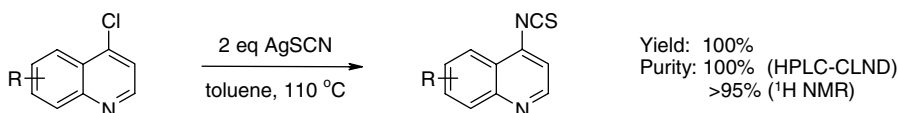


The use of 1,2-dichloroethane as a solvent of the classical Mortreux' catalytic system enables metathesis of alkyl-, vinyl-, or aryl-propynes under mild conditions through an extremely simple procedure.

**Novel route to the synthesis of 4-quinolyl isothiocyanates**

pp 2161–2164

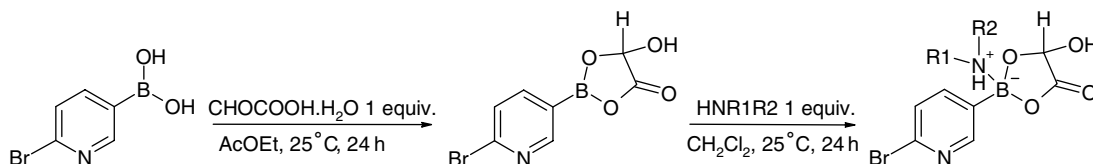
Boyu Zhong,* Rima S. Al-Awar, Chuan Shih, John H. Grimes, Jr., Michal Vieth and Chafiq Hamdouchi



Unusual behaviour of pyridinylboronic acids in the Petasis boronic Mannich reaction

pp 2165–2169

Anne Sophie Voisin, Alexandre Bouillon, Jean-Charles Lancelot, Aurélien Lesnard, Hassan Oulyadi and Sylvain Rault*

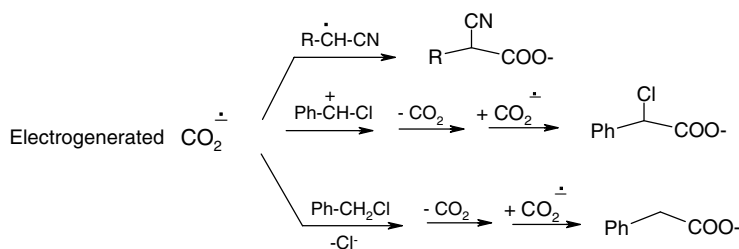


This letter describes the reactivity of pyridinylboronic acids in the Petasis reaction.

CO₂ anion–radical in organic carboxylations

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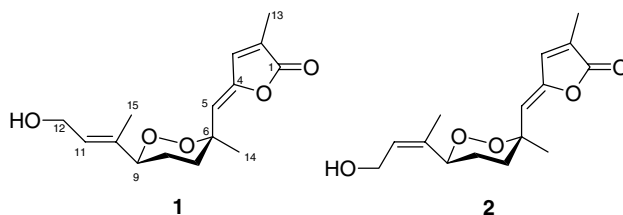
M. Dolores Otero, Belen Batanero and Fructuoso Barba*



Novel cyclic sesquiterpene peroxides from the Formosan soft coral *Sinularia* sp.

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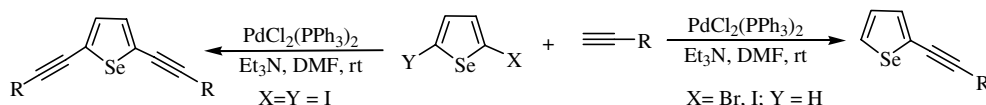
Chih-Hua Chao, Chi-Hua Hsieh, Shin-Pin Chen, Chung-Kuang Lu, Chang-Feng Dai, Yang-Chang Wu and Jyh-Horng Sheu*



Palladium-catalyzed cross-coupling of 2-haloselenophene with terminal alkynes in the absence of additive

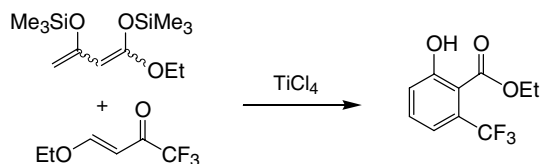
pp 2179–2182

Olga Soares do Rêgo Barros, Alexandre Favero, Cristina W. Nogueira, Paulo H. Menezes and Gilson Zeni*



Regioselective synthesis of 2-acetyl- and 2-alkoxycarbonyl-3-(trifluoromethyl)phenols by [3+3] cyclization of 1,3-bis-silyl enol ethers with 4-ethoxy- and 4-silyloxy-1,1,1-trifluoroalk-3-en-2-ones
Constantin Mamat, Thomas Pundt, Andreas Schmidt and Peter Langer*

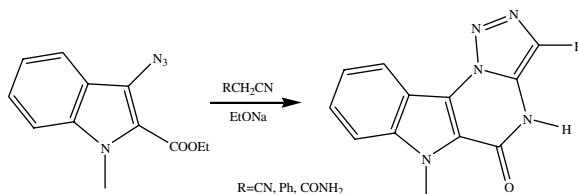
pp 2183–2185



A synthetic approach to new polycyclic ring system of biological interest through domino reaction: indolo[2,3-*e*][1,2,3]triazolo[1,5-*a*]pyrimidine

pp 2187–2190

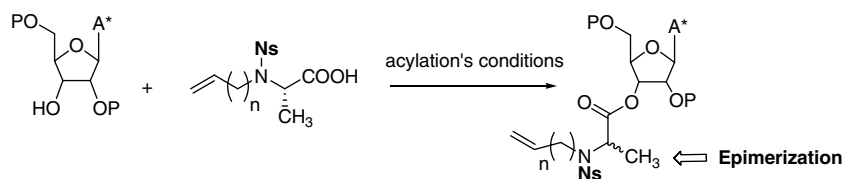
Antonino Lauria, Chiara Patella, Patrizia Diana, Paola Barraja, Alessandra Montalbano, Girolamo Cirrincione, Gaetano Dattolo and Anna Maria Almerico*



Novel observation concerning the nitrobenzenesulfonamide protecting group

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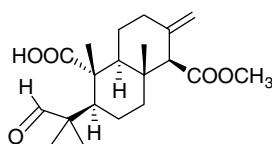
Estelle Vallee, Freddy Loemba, Mélanie Etheve-Quellejeu* and Jean-Marc Valéry



Coelodiol and coeloic acid, *ent*-isocopalane diterpenes from the Indonesian sponge *Coelocarteria* cfr. *singaporensis*

pp 2197–2200

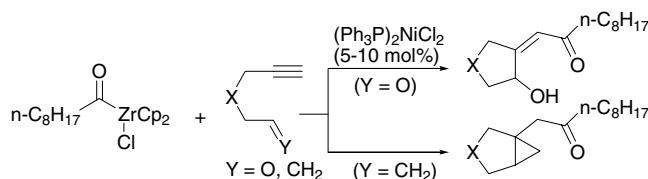
Ernesto Fattorusso, Adriana Romano, Orazio Tagliatela-Scafati,* Giorgio Bavestrello, Patrizia Bonelli and Barbara Calcinaï



Cyclization/acylation reactions by nickel-catalyzed reactions of 1,6-yndal and 1,6-enyne derivatives with acylzirconocene chloride

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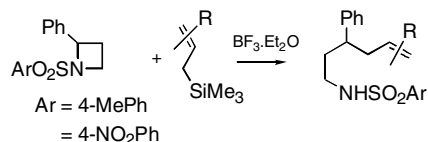
Akio Saito, Yusuke Oka, Yohei Nozawa and Yuji Hanzawa*



Ring opening of 2-phenylazetidines with allylsilanes

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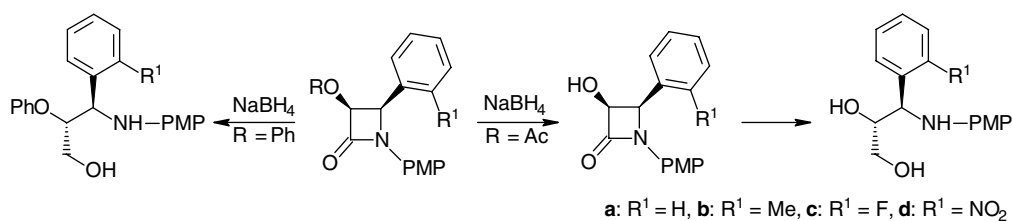
Mathias Domostoj, Ioana Ungureanu, Angèle Schoenfelder, Philippe Klotz and André Mann*



Reductive ring opening of 2-azetidinones promoted by sodium borohydride

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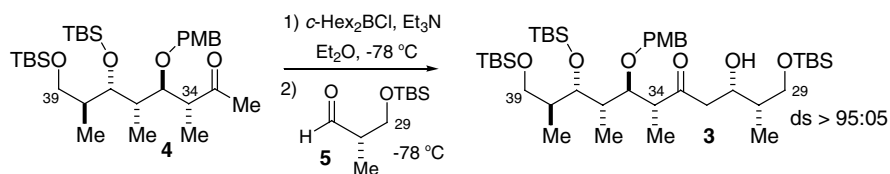
Paola Del Buttero,* Giorgio Molteni and Maurizio Roncoroni



Studies on the total synthesis of sanglifehrin A: stereoselective synthesis of the C(29)–C(39) fragment

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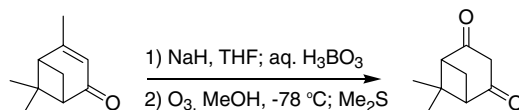
Luiz C. Dias* and Airton G. Salles, Jr.



A convenient, reproducible two-step synthesis of 6,6-dimethylbicyclo[3.1.1]heptane-2,4-dione

pp 2217–2218

Wayne E. Childers, Jr.,* Jerome C. Wu and Vasilios M. Marathias

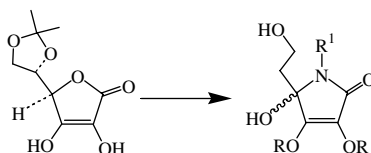


A convenient, reproducible high-yield synthesis of 6,6-dimethylbicyclo[3.1.1]heptane-2,4-dione is described.

**L-Ascorbic acid in organic synthesis: DBU-catalysed one-pot synthesis of tetramic acid derivatives from 5,6-O-isopropylidene ascorbic acid**

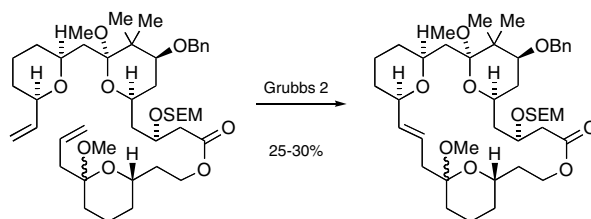
pp 2219–2222

Biswajit K. Singh, Shyam S. Verma, Namrata Dwivedi and Rama P. Tripathi*

**A preliminary evaluation of a metathesis approach to bryostatins**

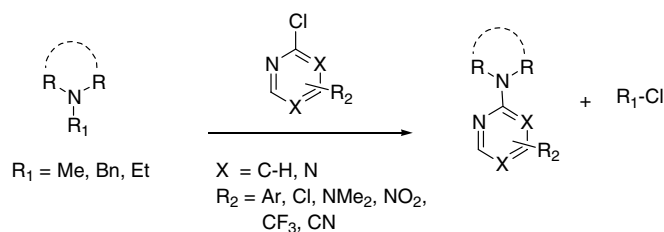
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Matthew Ball, Benjamin J. Bradshaw, Raphaël Dumeunier, Thomas J. Gregson, Somhairle MacCormick, Hiroki Omori and Eric J. Thomas*

**Dealkylative functionalization of tertiary amines with electron deficient heteroaryl chlorides**

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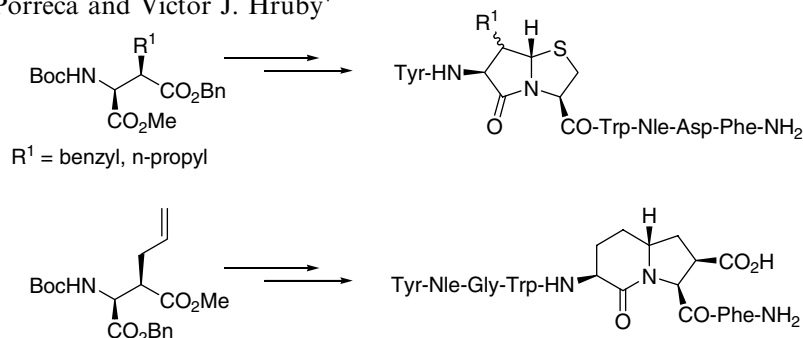
Gregory L. Hamilton and Bradley J. Backes*



Synthesis of constrained analogues of cholecystokinin/opioid chimeric peptides

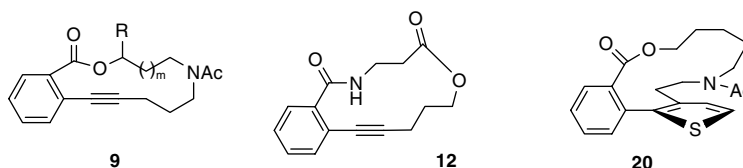
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John M. Ndungu, James P. Cain, Peg Davis, Shou-W. Ma, Todd W. Vanderah, Josephine Lai, Frank Porreca and Victor J. Hruby*

**Development of synthetic routes to macrocyclic compounds based on the HSP90 inhibitor radicicol**

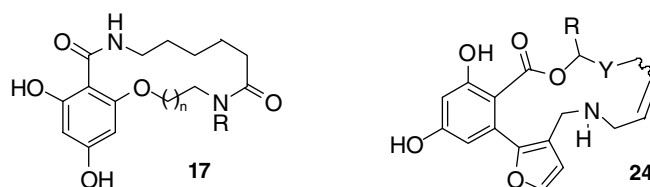
pp 2237–2240

Butrus Atrash, Tracey S. Cooper, Peter Sheldrake, Paul Workman and Edward McDonald*

Short routes are reported to novel macrolides (e.g., **9**, **12**, **20**) related to the HSP90 inhibitor radicicol.**Synthesis of resorcinylic macrocycles related to radicicol via ring-closing metathesis**

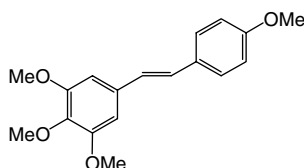
pp 2241–2243

Tracey S. Cooper, Butrus Atrash, Peter Sheldrake, Paul Workman and Edward McDonald*

Novel resorcinylic macrolides, for example, **17**, **24**, were prepared via ring-closing metathesis as analogues of the HSP90 inhibitor radicicol.**Oxazoline chemistry. Part 12: A metal-mediated synthesis of DMU-212; X-ray diffraction studies of an important anti-cancer agent**

pp 2245–2247

Gordon G. Cross, Charles R. Eisnor, Robert A. Gossage* and Hilary A. Jenkins



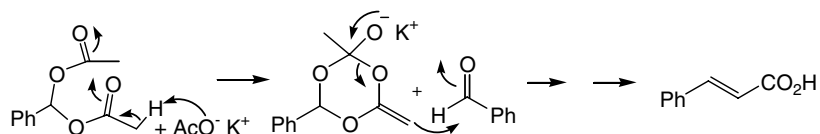
An improved synthesis of the anti-cancer agent DMU-212 ([*E*]-3,4,5,4'-tetramethoxystilbene) is described. The methodology involves the use of a Pd-oxazoline catalyst as mediator of a regio-selective (Heck) C–C bond formation reaction. A simple isolation step is then used to obtain the title material. The compound has been further characterised in the solid-state by X-ray diffraction methods.



Revised mechanism and improved methodology for the Perkin condensation. Resuscitation of the mechanism involving benzal acetate and the improbability of the enolate of acetic anhydride

pp 2249–2251

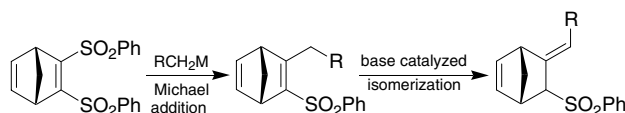
Sosale Chandrasekhar* and Phaneendrasai Karri



Conversion of γ -substituted bicyclo[2.2.1] (*Z*)-vinylsulfones to the corresponding (*E*)-allylsulfones

pp 2253–2256

Sergio Cossu,* Paola Peluso, Flavio Moretto and Mauro Marchetti

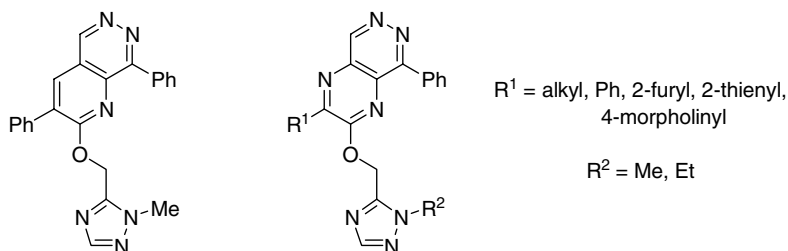


The preparation of a series of bicyclo[2.2.1] (*E*)-allylsulfones starting from the corresponding (*Z*)-vinylsulfones is described. The procedure affords valuable vinylidene norbornenes, characteristic nuclei of biologically active compounds.

Synthesis of pyrido[2,3-*d*]pyridazines and pyrazino[2,3-*d*]pyridazines—novel classes of GABA_A receptor benzodiazepine binding site ligands

pp 2257–2260

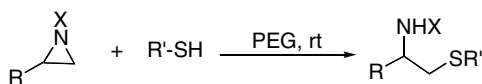
Andrew Mitchinson,* Wesley P. Blackaby, Sylvie Bourrain, Robert W. Carling and Richard T. Lewis



Polyethylene glycol (PEG) as an efficient recyclable medium for the synthesis of β -amino sulfides

pp 2261–2264

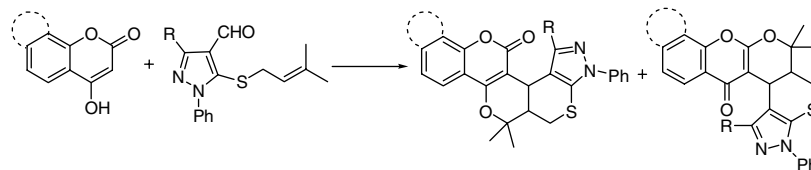
Ahmed Kamal,* D. Rajasekhar Reddy and Rajendar



An efficient synthesis of thiopyrano[5,6-*c*]coumarin/[6,5-*c*]chromones through intramolecular domino Knoevenagel hetero Diels–Alder reactions

pp 2265–2270

Jayadevan Jayashankaran, Rathna Durga R. S. Manian and Raghavachary Raghunathan*



*Corresponding author

①⁺ Supplementary data available via ScienceDirectFull text of this journal is available, on-line from **ScienceDirect**. Visit www.sciencedirect.com for more information.

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