

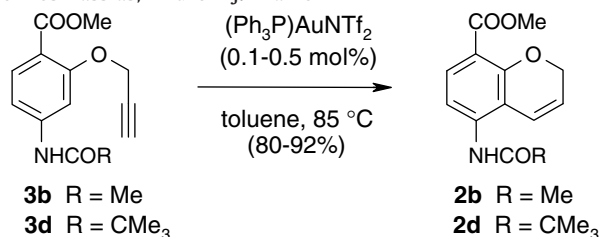
Tetrahedron Letters Vol. 49, No. 44, 2008

Contents

COMMUNICATIONS

A facile gold(I)-catalysed intramolecular alkyne hydroarylation approach to methyl 5-amino-2H-1-benzopyran-8-carboxylate derivatives pp 6279–6281

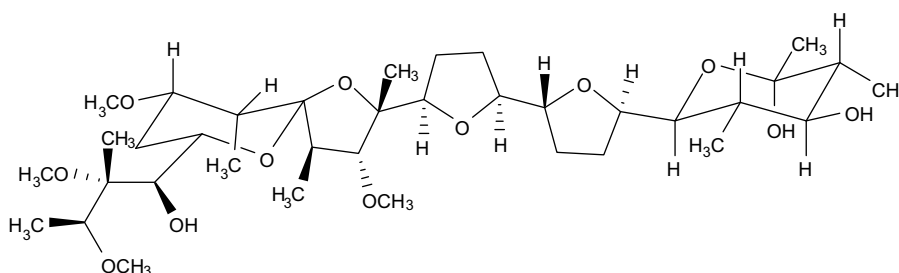
Neil R. Curtis ^{*}, Jeremy C. Prodder, Geracimos Rassias, Andrew J. Walker



A high yielding and selective method for producing methyl 5-amino-2H-1-benzopyran-8-carboxylate derivatives **2b** and **2d** via gold(I)-catalysed intramolecular alkyne hydroarylation has been developed.

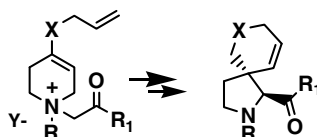
A new antimalarial polyether from a marine *Streptomyces* sp. H668 pp 6282–6285

Minkyun Na, Damaris A. F. Meujo, Dion Kevin, Mark T. Hamann ^{*}, Matthew Anderson, Russell T. Hill ^{*}



A flexible synthesis of privileged structural motifs using the Ollis–Sweeney ammonium ylid rearrangement pp 6286–6288

Alan F. Gasielki, Jeffrey L. Cross, Rodger F. Henry, Vijaya Gracias, Stevan W. Djuric ^{*}

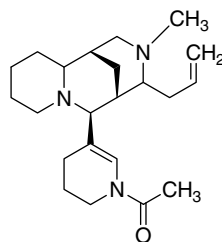
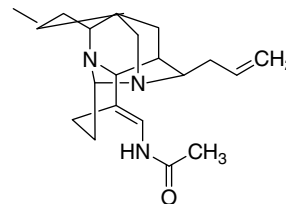


New quinolizidine and diaza-adamantane alkaloids from *Acosmium dasycarpum* (Vog.) Yakovlev–Fabaceae

pp 6289–6292

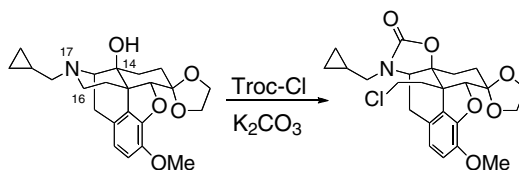
Tânia Cecília Trevisan, Eliane A. Silva, Evandro Luiz Dall'Oglio, Luiz Everson da Silva, Eudes da Silva Velozo, Paulo Cezar Vieira, Paulo Teixeira de Sousa Jr. *

The phytochemical investigation of the methanol crude extract obtained from *Acosmium dasycarpum* (Vog.) Yakovlev root bark led to the isolation of the quinolizidine alkaloids lupanine, acosmine, acosminine, and lupanacosmine, as well as the diaza-adamantane alkaloids panacosmine, and dasycarpumine. Lupanacosmine (**4**) and dasycarpumine (**6**) have been described for the first time herein.

**(4)****(6)****Novel cleavage reaction of the C16–N17 bond in naltrexone derivatives**

pp 6293–6296

Hideaki Fujii, Satomi Imaide, Akio Watanabe, Toru Nemoto, Hiroshi Nagase *

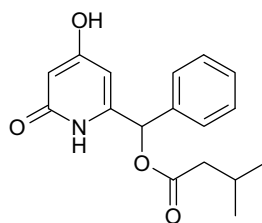


The treatment of 14-OH morphinans with 2,2,2-trichloroethyl chloroformate (Troc-Cl) cleaved the C16–N17 bond of the morphinan derivative to afford a novel oxazolidinone derivative.

The first total synthesis of novel human chymase inhibitor SPF32629A

pp 6297–6299

Srinivasa Rao Vegi, Shanthaveerappa K. Boovanahalli *, Arun Prakash Sharma, K. Mukkanti

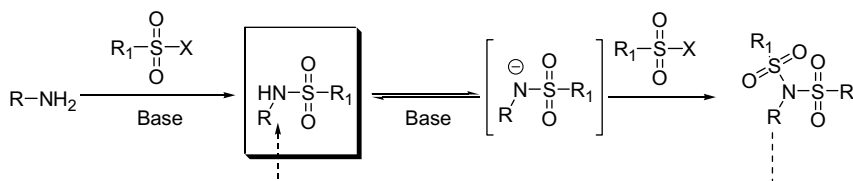


SPF-32629A

Convenient synthesis of primary sulfonamides

pp 6300–6303

Alexander Greenfield *, Cristina Grosanu

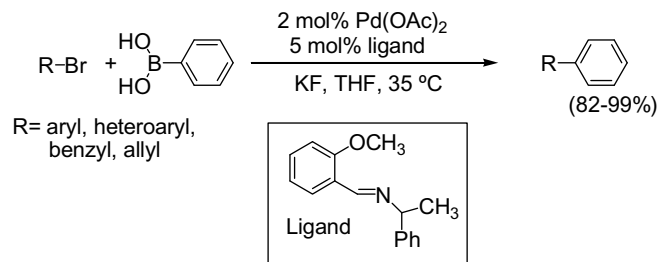


An efficient protocol for a one-pot synthesis of mono-sulfonamides has been developed. It features utilization of excess of sulfonylating agent followed by base mediated recovery of the primary sulfonamide.

Benzaldimines as ligands for palladium in Suzuki–Miyaura reactions

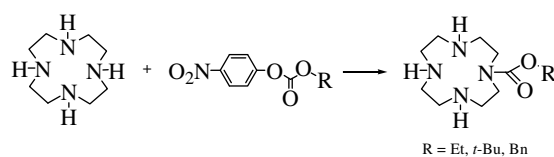
pp 6304–6307

Dipankar Srimani, Amitabha Sarkar *

**Selective monoprotection of 1,4,7,10-tetraazacyclododecane via direct reaction with 4-nitrophenyl active esters**

pp 6308–6310

Anna M. Skwierawska

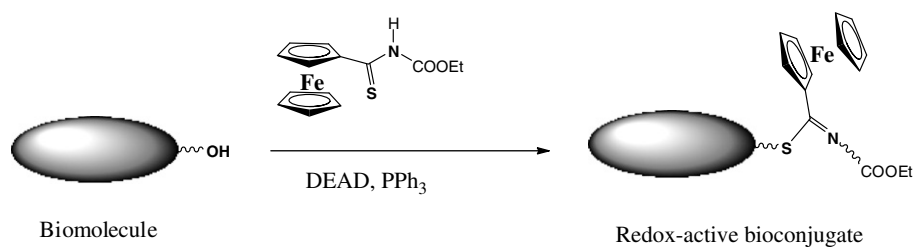


An efficient one-pot synthesis of 1-Cbz-cyclen and 1-Boc-cyclen synthons used in the preparation of a variety of bifunctional 1,4,7,10-tetraazacyclododecane derivatives is described.

Synthesis of ferrocenyl conjugates of thio analogs of hydroxyl-containing biomolecules via the Mitsunobu reaction with *N*-(ethoxycarbonyl)ferrocenecarbothioamide as the pronucleophile

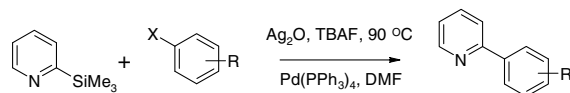
pp 6311–6313

Anna Wrona, Janusz Zakrzewski *

**Palladium-catalysed cross-coupling of 2-trimethylsilylpyridine with aryl halides**

pp 6314–6315

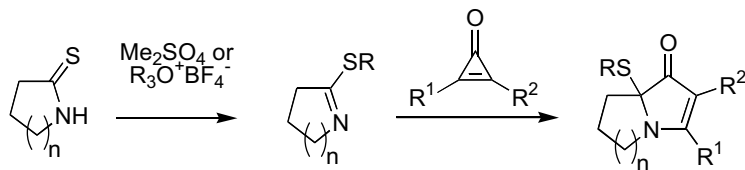
Spencer Napier, Sebastian M. Marcuccio, Heather Tye, Mark Whittaker *



A procedure for the palladium catalysed cross-coupling of 2-trimethylsilylpyridine with aryl halides is described.

A new and simple method for the synthesis of highly functionalised pyrrolizidines, indolizidines and pyrroloazepines pp 6316–6319

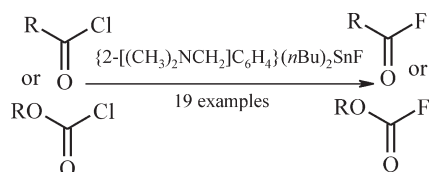
Paul A. O’Gorman, Ting Chen, Hannah E. Cross, Saleena Naeem, Arnaud Pitard, M. Ilyas Qamar, Karl Hemming *



Cyclopropanones react with cyclic thioimides to give indolizidine and pyrrolizidine heterocycles.

Use of C,N-chelated di-*n*-butyltin(IV) fluoride for the synthesis of acyl fluorides, fluoroformates and fluorophosgene pp 6320–6323

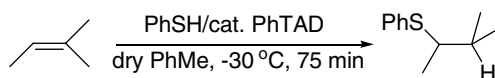
Petr Švec, Aleš Eisner, Lenka Kolářová, Tomáš Weidlich, Vladimír Pejchal, Aleš Růžička *


 The essentially quantitative conversion of various chloroformates, acyl chlorides, methanesulfonyl chloride, 4,4'-dimethoxytrityl chloride and various phosgene precursors or derivatives to their fluorinated analogs using $\{2-[(\text{CH}_3)_2\text{NCH}_2]\text{C}_6\text{H}_4\}(n\text{-Bu})_2\text{SnF}$ is described.

***N*-Phenyltriazolinedione as an initiator in the radical addition of thiophenol to alkenes**

pp 6324–6326

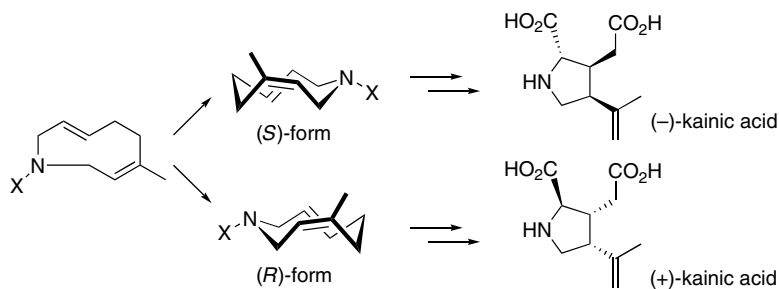
Georgia Nicolaou, Yiannis Elemen *


N-Phenyltriazolinedione is found to be an efficient initiator in the radical (*anti*-Markovnikov) addition of thiophenol to 2-methyl-2-butene. A second, minor, product (an alcohol, from oxygen addition) was also obtained, and a possible mechanistic scheme is proposed.

Asymmetric synthesis of (–)- and (+)-kainic acid using a planar chiral amide as a chiral building block

pp 6327–6329

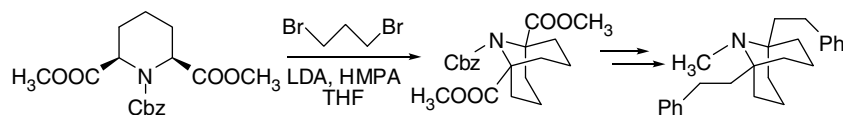
Katsuhiko Tomooka *, Toshiyuki Akiyama, Phewluangdee Man, Masaki Suzuki



Synthesis of symmetrical 1,5-disubstituted granatanines

pp 6330–6333

Ashish P. Vartak, Linda P. Dvoskin, Peter A. Crooks *

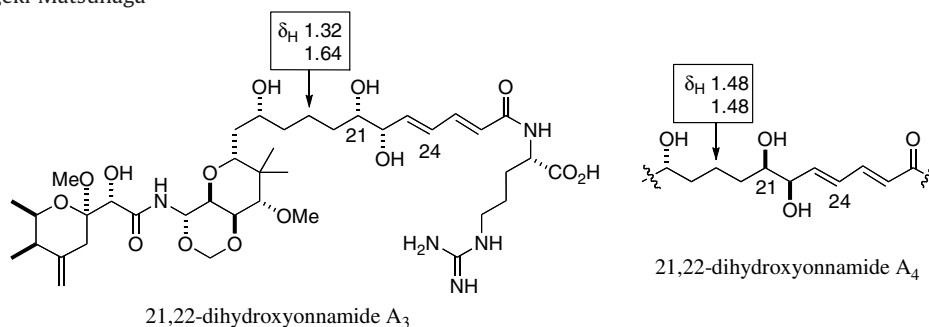


A general entry into symmetrical 1,5-disubstituted granatanines that involves an alkylation ring-closure on a 2,6-bis enolate piperidine intermediate is described.

**Structure elucidation of 21,22-dihydroxyonnamides A₁–A₄ from the marine sponge *Theonella swinhoei*: an empirical rule to assign the relative stereochemistry of linear 1,5-diols**

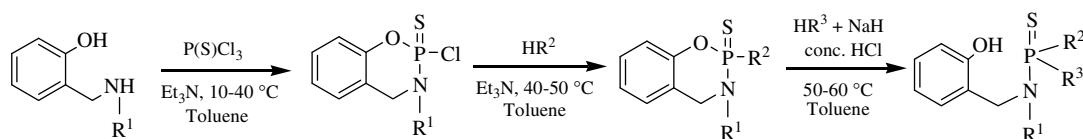
pp 6334–6336

Yoshinari Miyata, Shigeki Matsunaga *

**Chemoselective ring opening of benzoxazaphosphinines**

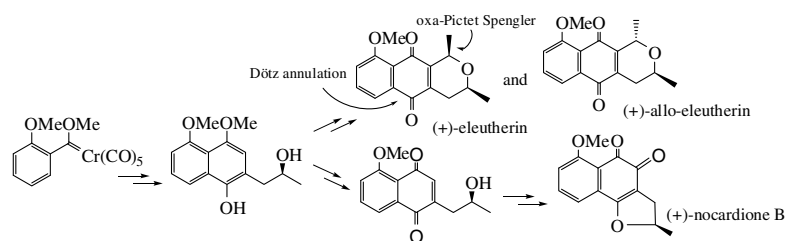
pp 6337–6340

K. R. Kishore Kumar Reddy, M. Anil Kumar, M. V. Narayana Reddy, C. Devendranath Reddy, C. Suresh Reddy *

**A short enantioselective synthesis of (+)-eleutherin, (+)-allo-eleutherin and a formal synthesis of (+)-nocardione B**

pp 6341–6343

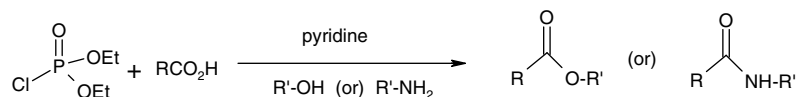
Rodney A. Fernandes *, Vijay P. Chavan, Arun B. Ingle



Direct formation of esters and amides from carboxylic acids using diethyl chlorophosphate in pyridine

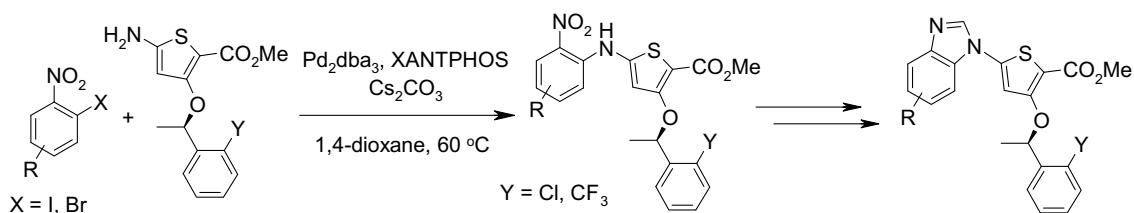
pp 6344–6347

James McNulty *, Venkatesan Krishnamoorthy, Al Robertson

**Regioselective synthesis of benzimidazole thiophene inhibitors of polo-like kinase 1**

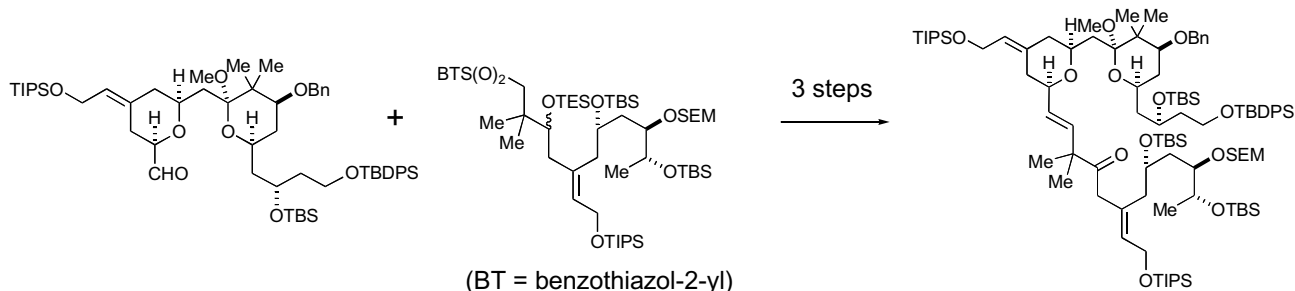
pp 6348–6351

Keith R. Hornberger *, Jennifer G. Badiang, James M. Salovich, Kevin W. Kuntz, Kyle A. Emmitte, Mui Cheung

**On the use of the modified Julia olefination for bryostatin synthesis**

pp 6352–6355

Joanne V. Allen, Anthony P. Green, Simon Hardy, Nicola M. Heron, Alan T. L. Lee, Eric J. Thomas *

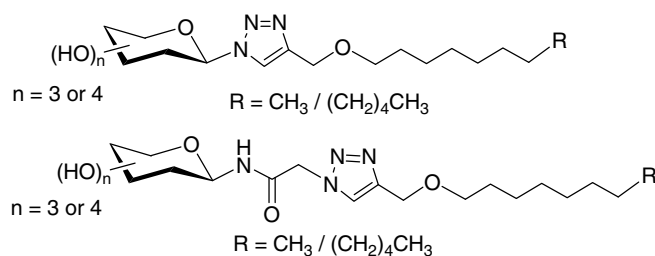


The modified Julia olefination is used to prepare advanced intermediates for convergent syntheses of bryostatins.

Synthesis of novel glycolipids derived from glycopyranosyl azides and *N*-(β-glycopyranosyl)azidoacetamides

pp 6356–6359

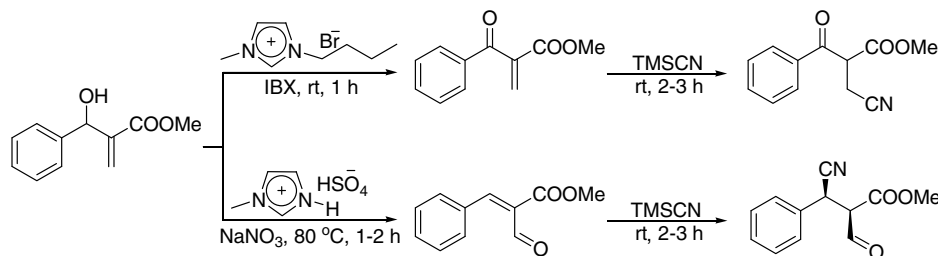
Katuri J. V. Paul, Duraikkannu Loganathan *



Ionic liquid-promoted one-pot oxidative Michael addition of TMSCN to Baylis–Hillman adducts

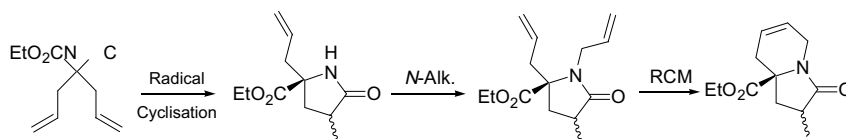
pp 6360–6363

Lal Dhar S. Yadav *, Chhama Awasthi, Ankita Rai

**Synthesis of indolizidines from dialkylated isocyanides: a novel radical cyclisation/N-alkylation/ring closing metathesis approach**

pp 6364–6367

Massimiliano Lamberto *, Jeremy D. Kilburn

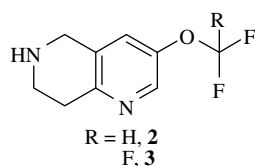


Functionalised indolizidines were synthesised starting from simple dialkylated alkenyl isocyanides via a sequential radical cyclisation/N-alkylation/ring closing metathesis strategy in good yields.

An expeditious synthesis of 3-(difluoromethoxy)- and 3-(trifluoromethoxy)-5,6,7,8-tetrahydro-1,6-naphthyridines

pp 6368–6370

Deodialsingh Guiadeen *, Shankaran Kothandaraman, Lihu Yang, Sander G. Mills, Malcolm MacCoss

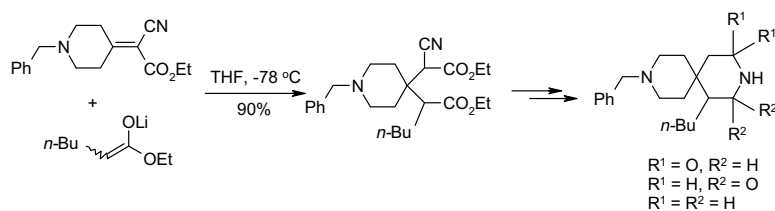


A concise synthesis of tetrahydro-naphthyridines bearing 3-difluoro (**2**) and 3-trifluoromethoxy (**3**) substituents is detailed.

Practical and divergent synthesis of 1- and 5-substituted 3,9-diazaspiro[5.5]undecanes and undecan-2-ones

pp 6371–6374

Hanbiao Yang *, Xiao-Fa Lin, Fernando Padilla, David M. Rotstein



*Corresponding author

+ Supplementary data available via ScienceDirect

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