

Tetrahedron Letters Vol. 49, No. 49, 2008

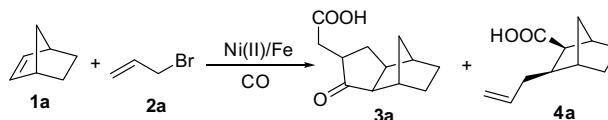
Contents

COMMUNICATIONS

Nickel-catalyzed carbonylative cycloaddition of allyl halides and alkenes

pp 6947–6950

Daniel del Moral, Josep M. Moretó, Elies Molins, Susagna Ricart *

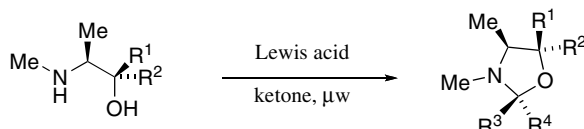


The carbonylative addition between allyl halides and alkenes is described. The [2+2+1] reaction is catalyzed by Ni(I), and takes place with different strained alkenes under very mild conditions. Changes in solvent and use of different amounts of water in the reaction produce changes on the final products obtained.

Microwave-assisted highly diastereoselective synthesis of oxazolidines derived from ketones and aminoalcohols

pp 6951–6954

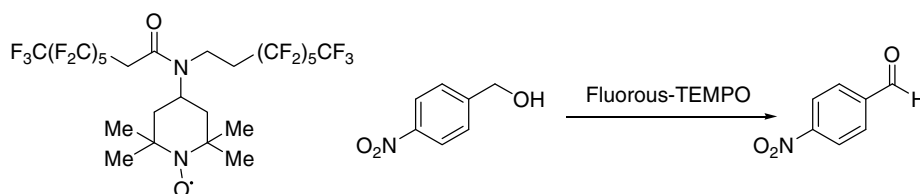
Philip C. Bulman Page *, Genna A. Parkes, Benjamin R. Buckley, Harry Heaney, Mostafa Gholizadeh, J. Steven Wailes



Novel light-fluorous TEMPO reagents and their application in oxidation reactions

pp 6955–6958

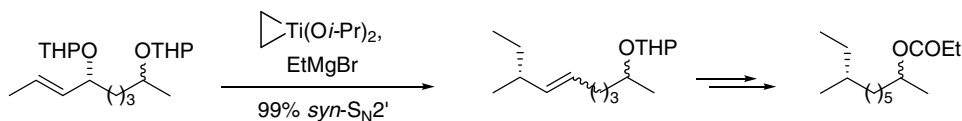
Adrian P. Dobbs *, Mark J. Penny, Peter Jones



Highly stereoselective allylic ethylation with alkoxytitanacyclopropane reagents. Synthesis of (1*R*,5*R*)-1,7-dimethylnonyl propanoate, the Western corn rootworm sex attractant

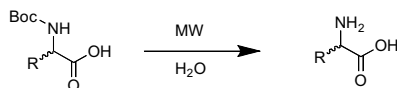
pp 6959–6961

Vladimir E. Isakov, Oleg G. Kulinkovich *


A mild Boc deprotection and the importance of a free carboxylate

pp 6962–6964

Ali Thaqi, Adam McCluskey *, Janet L. Scott

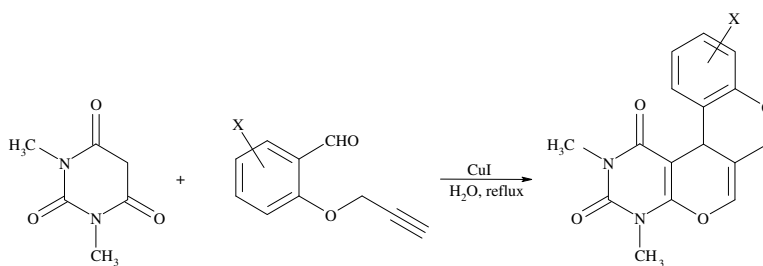


Boc-deprotection of substances bearing COOH groups is effected quantitatively, in minutes, under MW heating, in water, at 170 °C.


Synthesis of novel annulated uracils via domino Knoevenagel-hetero-Diels–Alder reaction in aqueous media

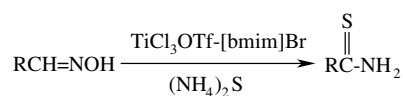
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Malihe Javan Khoshkholgh, Saeed Balalaie *, Hamid Reza Bijanzadeh, Frank Rominger, Jürgen H. Gross


TiCl₃OTf-[bmim]Br: a novel and efficient catalyst system for chemoselective one-pot synthesis of thioamides from arylaldoximes

pp 6969–6971

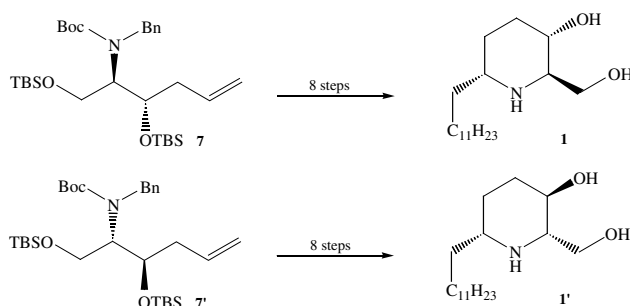
Jalil Noei, Ahmad R. Khosropour *



A versatile synthesis of (+)-deoxoprosopinine and (–)-deoxoprosophylline

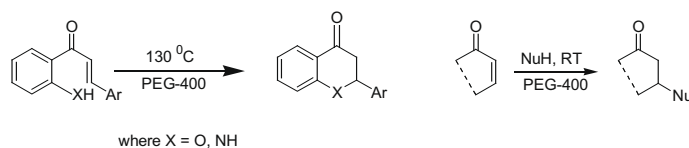
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Enzo B. Arévalo-García*, Juan Carlos Colmenares

**Eco-friendly polyethylene glycol promoted Michael addition reactions of α,β -unsaturated carbonyl compounds**

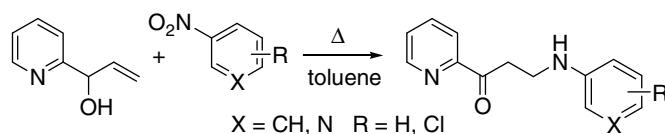
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Dalip Kumar*, Gautam Patel, Braja G. Mishra, Rajender S. Varma*

**New reactivity of 1-(2-pyridyl)-2-propen-1-ol with nitro derivatives**

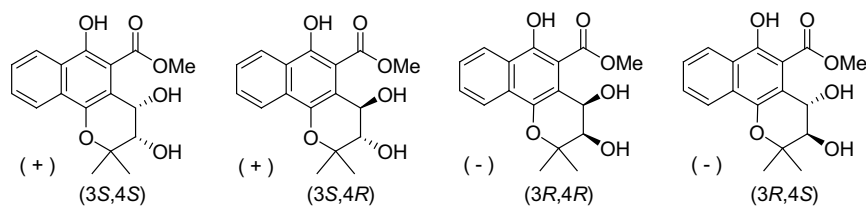
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Donatella Giomi*, Renzo Alfini, Alberto Brandi

**The first asymmetric synthesis of all four isomers of *cis*- and *trans*-3,4-dihydroxy-3,4-dihydromollugin**

pp 6980–6983

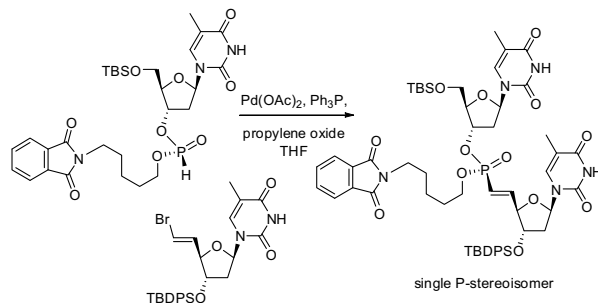
Naga Venkata Sastry Mudiganti, Sven Claessens, Norbert De Kimpe*



Stereoselective synthesis of highly functionalised P-stereogenic nucleosides via palladium-catalysed P–C cross-coupling reactions

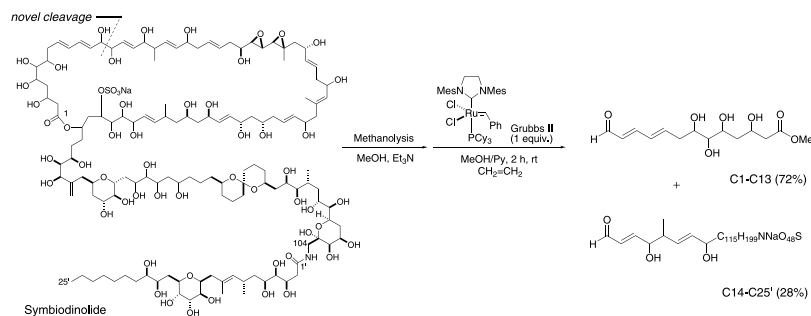
pp 6984–6987

Benjamin Whittaker, Manuel de Lera Ruiz, Christopher J. Hayes *


Novel cleavage of (*E*)-allyl vic-diols to aldehydes using the 2nd-generation Grubbs catalyst

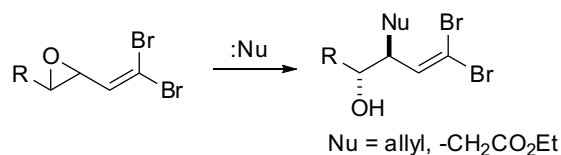
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Chunguang Han, Daisuke Uemura *


Stereospecific epoxide-opening reactions of 1,1-dibromo-3,4-epoxy-1-alkenes with carbon nucleophiles

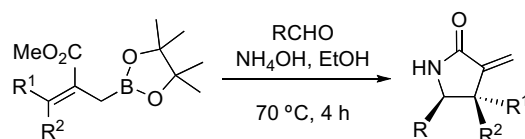
pp 6991–6994

Fumihiko Yoshimura, Masaki Takahashi, Keiji Tanino, Masaaki Miyashita *


Imine allylation using 2-alkoxycarbonyl allylboronates as an expedient three-component reaction to polysubstituted α -*exo*-methylene- γ -lactams

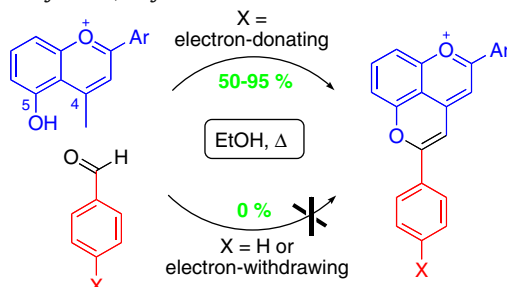
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Tim G. Elford, Dennis G. Hall *



En route to color-stable pyranoflavylum pigments—a systematic study of the reaction between 5-hydroxy-4-methylflavylum salts and aldehydes

pp 6999–7004

Stefan Chassaing ^{*}, Géraldine Isorez, Marie Kueny-Stotz, Raymond Brouillard

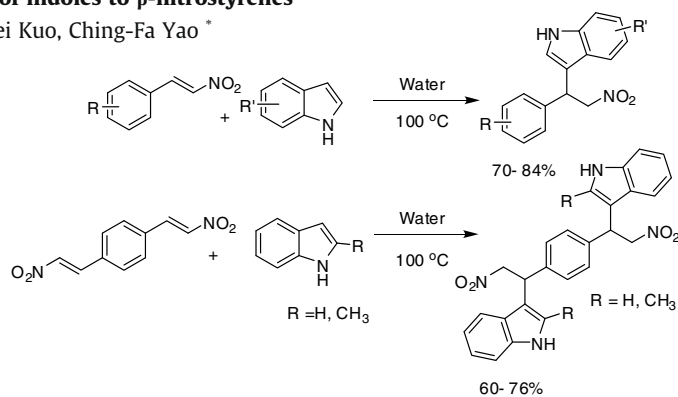
The reaction between 4-methylflavylum cations and aldehydes was investigated and was found to be highly substrate-dependent.

Catalyst-free aqueous-mediated conjugative addition of indoles to β-nitrostyrenes

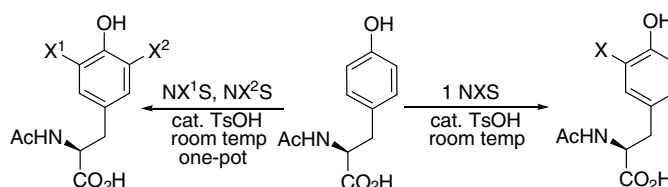
pp 7005–7007

Pateliya Mujjamil Habib, Veerababurao Kavala, Chun-Wei Kuo, Ching-Fa Yao ^{*}

A catalyst free aqueous-mediated alkylation of indoles with various β-nitrostyrenes was performed at elevated temperature. No catalyst, clean reaction conditions, simple workup procedure, easy isolation, viability for large scale preparation, and environmentally acceptable medium are the best features in this process.

**Facile syntheses of 3-halo and mixed 3,5-dihalo analogues of N-acetyl-L-tyrosine via sulfonic acid-catalysed regioselective monohalogenation**

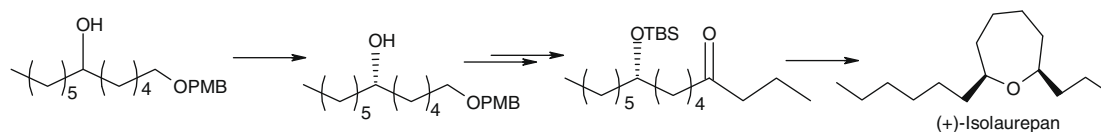
pp 7008–7011

Pakorn Bovonsombat ^{*}, Pratheep Khanthapura, Michael M. Krause, Juthamard Leykajarakul

3-Halo and mixed-3,5-dihalo analogues of *N*-acetyl-L-tyrosine were obtained at ambient temperature with high yields and selectivities via *p*-toluenesulfonic acid-catalysed regioselective electrophilic halogenation.

A total synthesis of (+)-isolaurepan

pp 7012–7014

Divya Tripathi, Pradeep Kumar ^{*}

The concept of internal solubilization in peptide synthesis: ethylene glycol-based protecting groups

pp 7015–7017

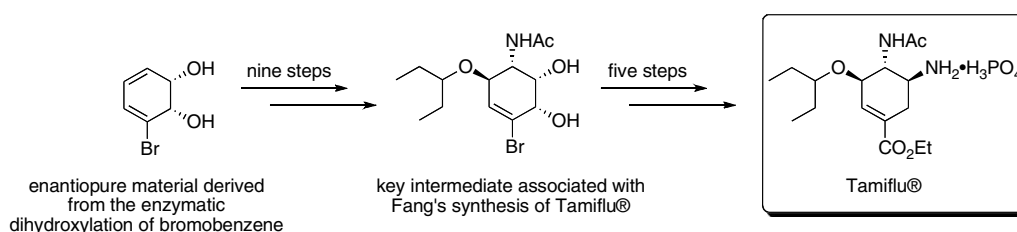
László Kocsis, Thomas Bruckdorfer, György Orosz *

An Fmoc compatible side chain protecting group family is developed, which inhibits peptide chain aggregation. Protected amino acid derivatives can easily be incorporated into existing automated and manual peptide synthesis protocols.

A chemoenzymatic synthesis of the anti-influenza agent Tamiflu®

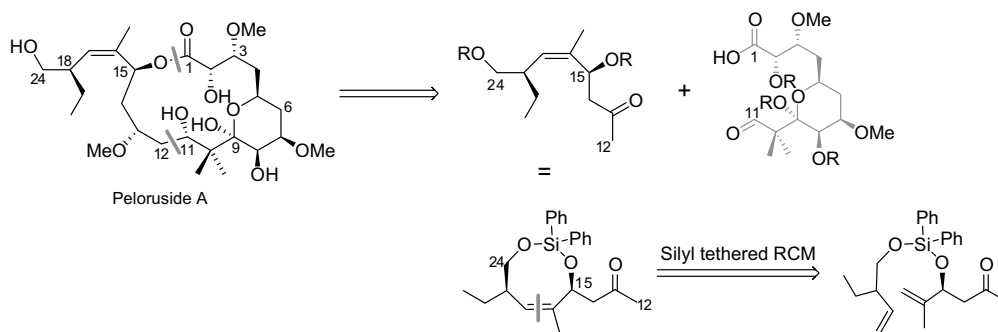
pp 7018–7020

Maria Matveenko, Anthony C. Willis, Martin G. Banwell *

**Synthesis of the C12–C24 fragment of peloruside A by silyl-tethered diastereomer-discriminating RCM**

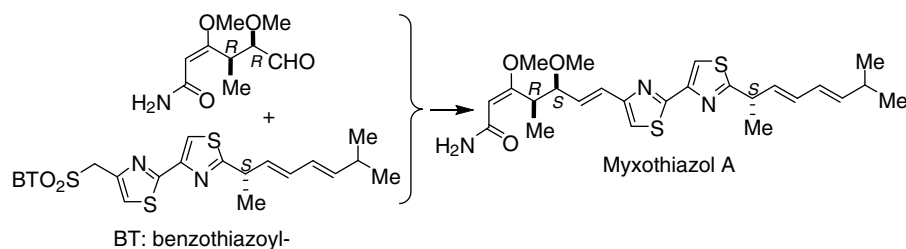
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Emma M. Casey, Paul Teesdale-Spittle, Joanne E. Harvey *

**First synthesis of (+)-myxothiazol A**

pp 7024–7026

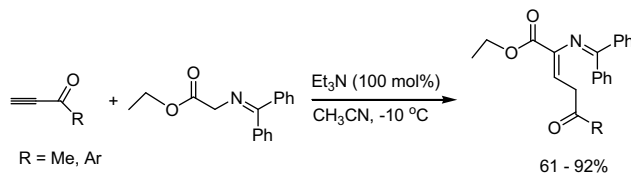
Yuki Iwaki, Masahiro Kaneko, Hiroyuki Akita *



Et₃N-Promoted reaction of acetylenic ketones with *N*-(diphenylmethylene)glycinates: an efficient synthesis of α,β -dehydroamino acid derivatives

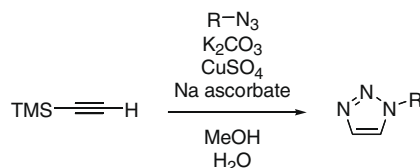
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Qing-Fa Zhou, Quan-Ping Wu, Song Xue *

**Monosubstituted 1,2,3-triazoles from two-step one-pot deprotection/click additions of trimethylsilylacetylene**

pp 7030–7032

James T. Fletcher *, Sara E. Walz, Matthew E. Keeney

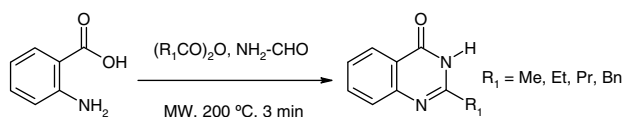


General reaction conditions were developed enabling the regioselective synthesis of 1-substituted-1,2,3-triazoles with both aliphatic and aromatic substitution. Product yields and distributions were sensitive to both alcohol and base identity.

Decomposition of formamide assisted by microwaves, a tool for synthesis of nitrogen-containing heterocycles

pp 7033–7036

Ines Nouira, Ioannis K. Kostakis, Carole Dubouilh, Elizabeth Chosson, Mauro Iannelli, Thierry Besson *

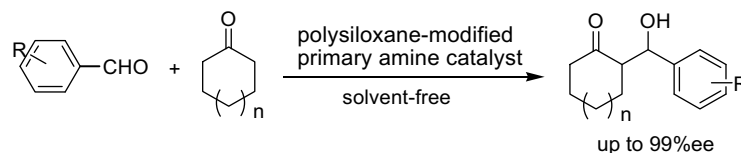


Three-component synthesis of 2-substituted quinazolin-4(3H)-ones is investigated via rapid decomposition of formamide.

Homogeneous silicone modified primary amine-Brønsted acid salt catalyzed aldol reaction: unexpected synergistic effect of polysiloxane with remarkable improvement of efficiency and stereoselectivity

pp 7037–7041

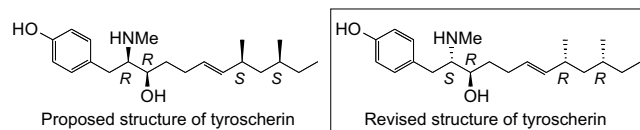
Li-Wen Xu *, Ya-Dong Ju, Li Li, Hua-Yu Qiu, Jian-Xiong Jiang, Guo-Qiao Lai *



Synthesis and structure revision of tyroscherin, a growth inhibitor of IGF-1-dependent tumor cells

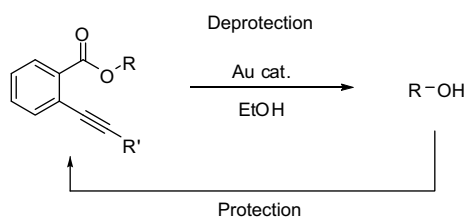
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Ryo Katsuta, Chié Shibata, Ken Ishigami, Hidenori Watanabe *, Takeshi Kitahara

**Gold-catalyzed transesterification of *ortho*-alkynylbenzoic acid esters: a novel protecting group for alcohols and phenols**

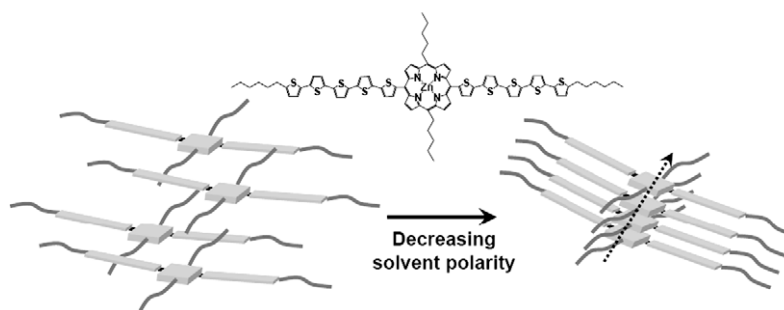
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Kazuteru Umetsu, Naoki Asao *

**One-dimensional porphyrin H-aggregates induced by solvent polarity**

pp 7050–7053

Myung-Seok Choi

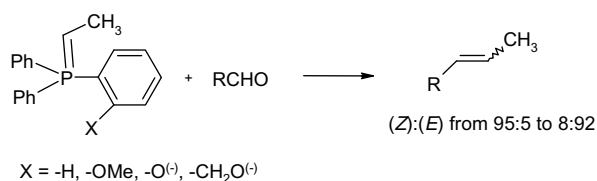


The linear-shape porphyrin derivatives bearing two pentameric thiophenes showed the significant spectral changes of Soret absorption bands in both blue-shift and band broadening in *n*-hexane, indicating the formation of a relatively larger H-aggregate.

**Stereoselective Wittig olefination reactions employing a novel *ortho*-*P*-aryl alkoxide effect**

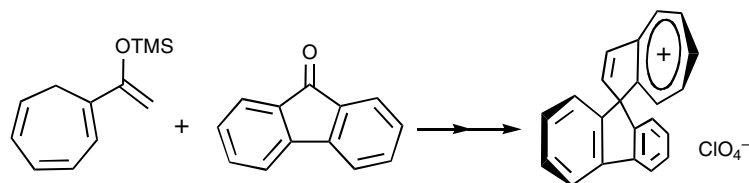
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James McNulty *, Kunal Keskar

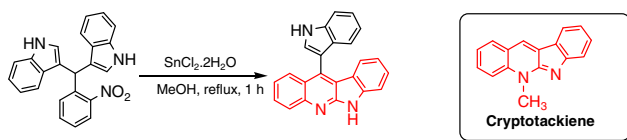


Spiro[1*H*-azulenium-1,9'-fluorene] perchlorate. Intramolecular charge-transfer interaction between orthogonally arranged units of the azulenium cation and fluorene

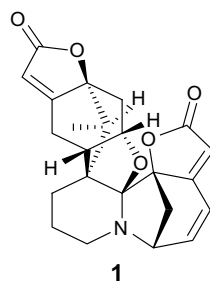
pp 7058–7061

Mitsunori Oda^{*}, Nobue Nakajima, Nguyen Chung Thanh, Shigeyasu Kuroda**Unprecedented SnCl₂·2H₂O-mediated intramolecular cyclization of nitroarenes via C–N bond formation: a new entry to the synthesis of cryptotackieine and related skeletons**

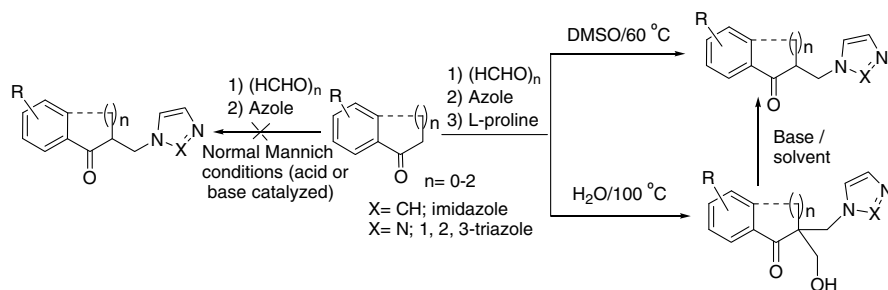
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Sunil Sharma, Bijoy Kundu^{*}**Suffruticosine, a novel octacyclic alkaloid with an unprecedented skeleton from *Securinega suffruticosa* (Pall.) Rehd.**

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Song Qin, Jing-Yu Liang, Yu-Cheng Gu, Yue-Wei Guo^{*}**Proline-catalyzed facile access to Mannich adducts using unsubstituted azoles**

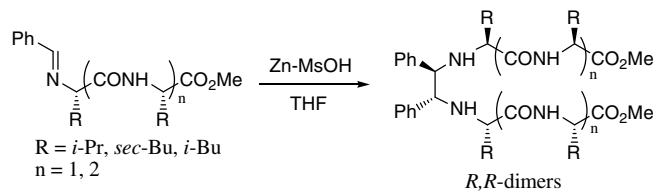
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Nagarapu Srinivas, Kalpana Bhandari^{*}

Highly stereoselective iminopinacol coupling of chiral aromatic imines derived from di- and tripeptides

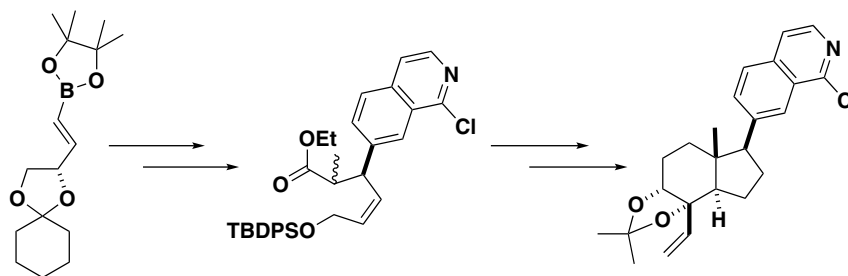
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Naoki Kise *, Takashi Iwasaki, Yuko Yasuda, Toshihiko Sakurai

**Synthesis of CD-ring structure of cortistatin A, an anti-angiogenic steroidal alkaloid from marine sponge**

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Naoyuki Kotoku, Yuji Sumii, Takeshi Hayashi, Motomasa Kobayashi *

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*Corresponding author

Supplementary data available via ScienceDirect

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