



Tetrahedron Vol. 65, No. 19, 2009

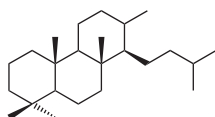
Contents

REPORT

Occurrence, bioactivity and synthesis of cheilanthane sesterterpenoids

pp 3815–3828

Nicon Ungur*, Veaceslav Kulcički



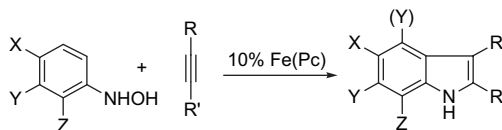
A review of the isolation, biological activity and synthesis of cheilanthane sesterterpenoids is provided.

ARTICLES

Direct synthesis of 3-arylindoles via annulation of aryl hydroxylamines with alkynes

pp 3829–3833

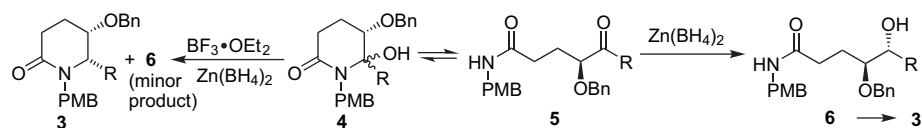
Angus A. Lamar, Kenneth M. Nicholas*



Chemo- and diastereoselective control for a flexible approach to (5S,6S)-6-alkyl-5-benzyloxy-2-piperidinones

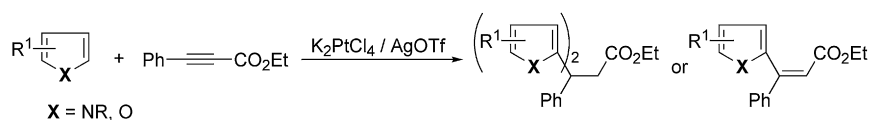
pp 3834–3841

Liang-Xian Liu*, Kai-Jiong Xiao, Pei-Qiang Huang*

**Pt(II)-catalyzed hydroarylation reaction of alkynes with pyrroles and furans**

pp 3842–3847

Juzo Oyamada, Tsugio Kitamura*

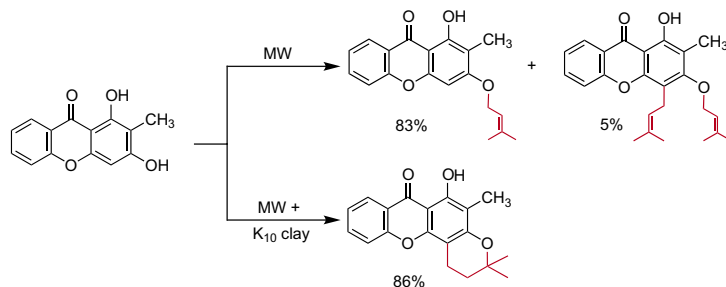


Hydroarylation of alkynes with pyrroles and furans using a Pt(II) catalyst proceeded smoothly under mild conditions to give double- or mono-adducts in good yields, being affected by steric hindrance of substrates.

Improved methodologies for synthesis of prenylated xanthenes by microwave irradiation and combination of heterogeneous catalysis (K10 clay) with microwave irradiation

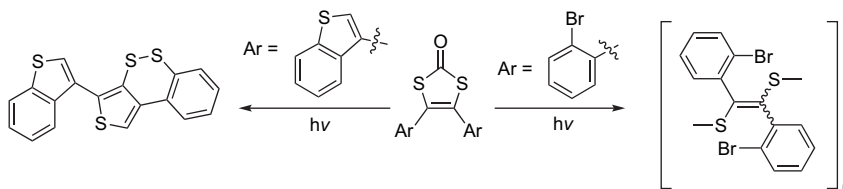
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Raquel A.P. Castanheiro, Madalena M.M. Pinto*, Sara M.M. Cravo, Diana C.G.A. Pinto, Artur M.S. Silva, Anake Kijjoa

**Synthesis and photoreactivity of aryl substituted 4,5-dithienyl[1,3]dithiol-2-ones**

pp 3858–3862

Anton Blencowe, Angela Maria Celli, Donato Donati, Wayne C. Hayes, Claire Martin, Patrick J. Murphy*, Fabio Ponticelli*, Jessica K. Melville-Richards

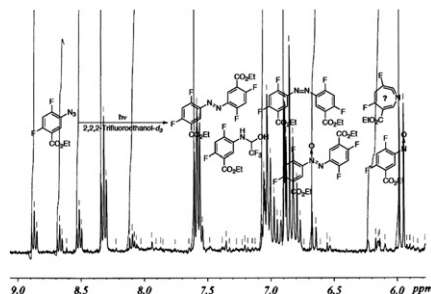


UV irradiation of hitherto unknown 4,5-bis-benzo[b]thiophen-3-yl-[1,3]dithiol-2-one gave 3-(3-benzo[b]thienyl)-thieno[3,4-c]benzo[e][1,2]dithiine by loss of carbon monoxide and ring rearrangement, whereas 4,5-bis-(2-bromo-phenyl)-[1,3]dithiol-2-one gave a polymeric material containing S–S bridges.

¹H NMR aided elucidation of products derived from photodegradation of ethyl 3-azido-4,6-difluorobenzoate in 2,2,2-trifluoroethanol

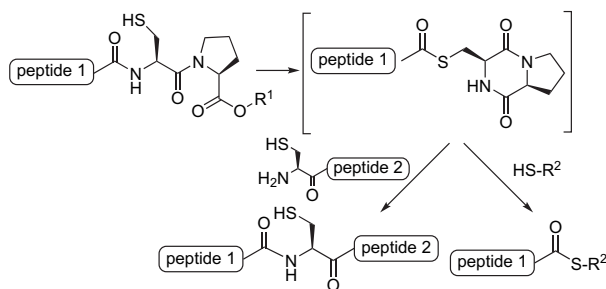
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Magne O. Sydnes, Masaki Kuse, Issei Doi, Minoru Isobe*

**The use of a cysteinyl prolyl ester (CPE) autoactivating unit in peptide ligation reactions**

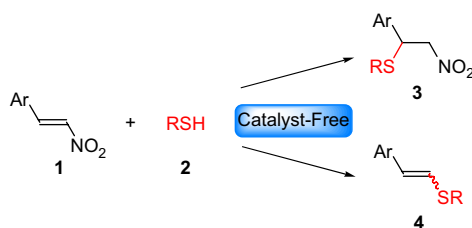
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Toru Kawakami*, Saburo Aimoto*

**Straightforward and highly efficient catalyst-free regioselective reaction of thiol to β -nitrostyrene: a concise synthesis of vinyl sulfide and nitro sulfide**

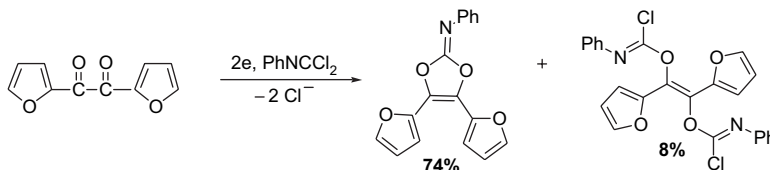
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Cheng-Ming Chu, Zhijay Tu, Pohsi Wu, Chieh-Chieh Wang, Ju-Tsung Liu, Chun-Wei Kuo, Yu-Hsuan Shin, Ching-Fa Yao*

**Electrochemical synthesis of 2-arylimino-4,5-di(2-furyl)-1,3-dioxoles and (E)-1,2-di(2-furyl)vinylene bis(N-arylchloroformimidates). HF and B3LYP computational study of the topomerization mechanism of aryliminodioxoles**

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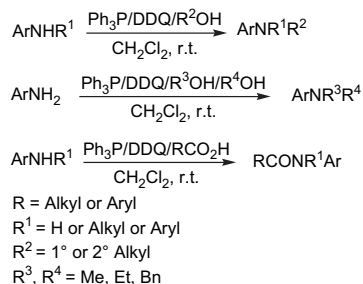
Antonio Guirado*, Andrés Zapata, Raquel Andreu, Carmen Ramírez de Arellano, Peter G. Jones*, Jesús Gálvez*



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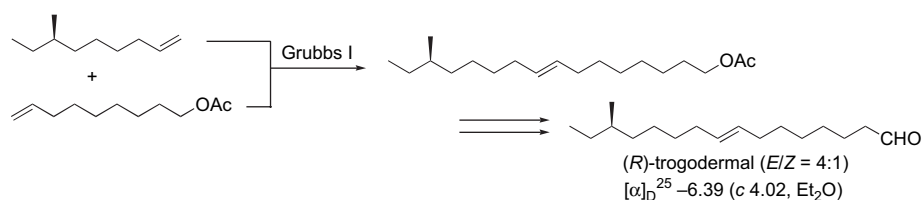
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Pheromone synthesis. Part 240: Cross-metathesis with Grubbs I (but not Grubbs II) catalyst for the synthesis of (*R*)-trogoderma (14-methyl-8-hexadecenal) to study the optical rotatory powers of compounds with a terminal *sec*-butyl group

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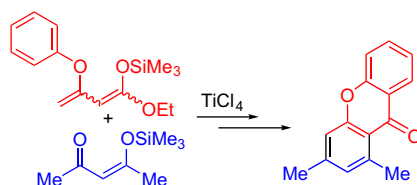
Kenji Mori*



Synthesis of functionalized 2-alkoxybenzoates, 2-aryloxybenzoates and xanthenes based on formal [3+3] cyclocondensations of 3-alkoxy- and 3-aryloxy-1-silyloxy-1,3-butadienes with 3-silyloxy-2-en-1-ones

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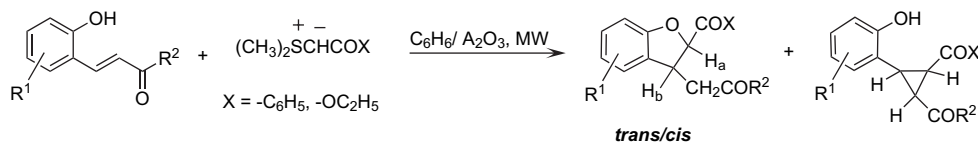
Gerson Mroß, Helmut Reinke, Christine Fischer, Peter Langer*



Reactions of 2-hydroxyaryl- α,β -unsaturated ketones with dimethylsulfonium carbonylmethylides: a new and facile diastereoselective synthesis of 2,3-disubstituted dihydrobenzofurans

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Sarika Malik, Upender K. Nadir, Pramod S. Pandey*



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 Supplementary data available via ScienceDirect



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