Graphical abstracts

Preparation and ring-opening reactions of *N*,*O*-bis(diphenylphosphinyl) hydroxymethylaziridine ('Di-Dpp')

Tetrahedron 59 (2003) 3677

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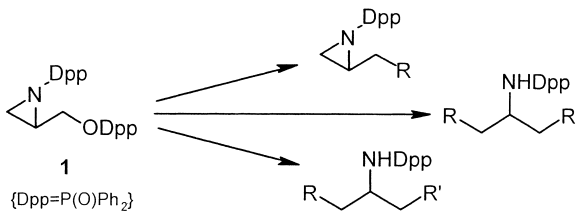

Low and high temperature bromination of exocyclic dienes: high temperature bromination. Part 16

Tetrahedron 59 (2003) 3691

Nurhan Horasan (Kishali),[a] Yunus Kara,[a] Akin Azizoğlu[b,c] and Metin Balci[b,*]

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[b]*Department of Chemistry, Middle East Technical University, 06531 Ankara, Turkey*
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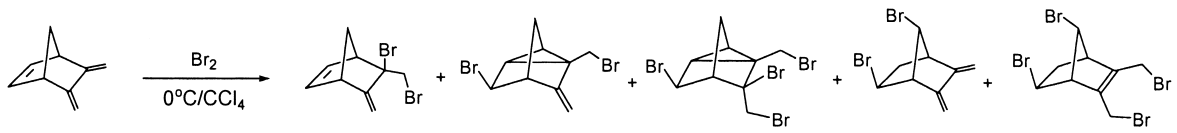


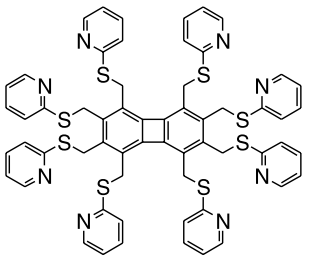
Syntheses and X-ray crystal structures of poly(pyridylsulfanylmethyl)arenes: new multi-armed molecules

Tetrahedron 59 (2003) 3701

David A. McMorran* and Peter J. Steel

Department of Chemistry, University of Canterbury, Christchurch, New Zealand

The preparation and characterisation of seven new multi-armed molecules is reported. Each contains a number of pyridylsulfanylmethyl arms, appended to an arene core. X-Ray crystal structures of four of these are reported, including the structure of octakis(2-pyridylsulfanylmethyl)biphenylene, a rare example of a multi-armed molecule with a biphenylene core.



Synthesis and properties of novel 5-(cyclohepta-2′,4′,6′-trienylidene)pyrimidine-2(1*H*),4(3*H*),6(5*H*)-triones: methodology for synthesizing cyclohepta[*b*]pyrimido[5,4-*d*]furan-8(7*H*),10(9*H*)-dionylium tetrafluoroborates

Tetrahedron 59 (2003) 3709

Shin-ichi Naya and Makoto Nitta*

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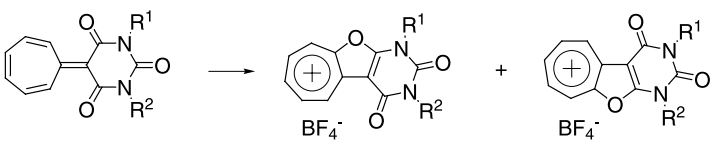

a: R^1 = Me, R^2 = H;
b: R^1 = Bu, R^2 = H;
c: R^1 = Ph, R^2 = H;
d: R^1 = R^2 = Me;
e: R^1 = R^2 = Et;
f: R^1 = R^2 = Ph

Solid phase β-lactams synthesis using the Staudinger reaction, monitored by ^{19}F NMR spectroscopy

Tetrahedron 59 (2003) 3719

Isabelle Le Roy,[a] Dominique Mouysset,[a] Serge Mignani,[b] Marc Vuilhorgne[b] and Lucien Stella[a,*]

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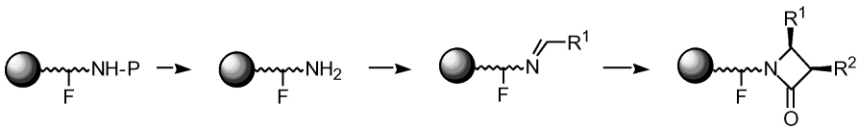
[b]*Aventis Pharma S.A., Centre de Recherche de Paris, 13 Quai Jules Guesde, BP 14, 94403 Vitry sur Seine Cedex, France*

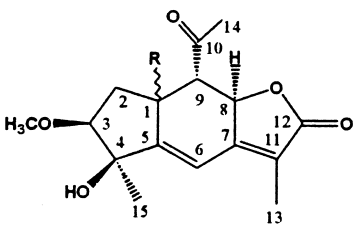


Ligustolide A and B, two novel sesquiterpenes with rare skeletons and three 1,10-*seco*-guaianolide derivatives from *Achillea ligustica*

Tetrahedron 59 (2003) 3729

Ahmed A. Ahmed,* Tamás Gáti, Taha A. Hussein, Aptehal T. Ali, Olga A. Tzakou, Maria A. Couladis, Tom J. Mabry and Gábor Tóth*

Fractionation of the extract of *Achillea ligustica* afforded two novel sesquiterpene lactones with rare 5/6/5 skeletons, three 1,10-*seco*-guaianolides and a chlorine-containing sesquiterpene lactone as well as six known compounds, including two monoterpenes, two guaianolides, one eudesmane and one secocaryophyllene derivative. The structures of the compounds were elucidated by extensive application of one- and two-dimensional NMR spectroscopy.



1 **R** = α OH
2 **R** = β OH

Palladium-catalyzed amination and cyclization to heteroannellated indoles and carbazoles

Tetrahedron 59 (2003) 3737

Isabel C. F. R. Ferreira,[a] Maria-João R. P. Queiroz[a,*] and Gilbert Kirsch[b]

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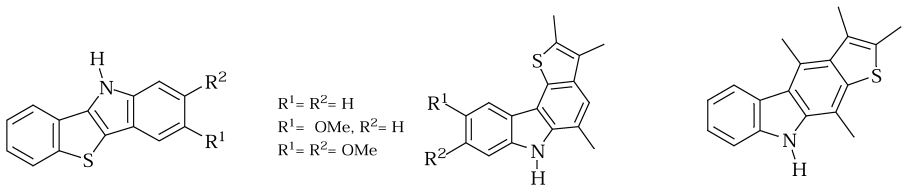
[b]*Laboratoire d'Ingénierie Moleculaire et Biochimie Pharmacologique, Université de Metz Faculté des Sciences, Ile du Saulcy, 57045 Metz, France*



A simple and easy access to 3-*N*-alkyl-5-vinyloxazolidinones mediated by palladium–phosphine catalysts

Tetrahedron 59 (2003) 3745

Shinji Tanimori,* Ushio Inaba, Yoshihiro Kato and Mitsunori Kirihata

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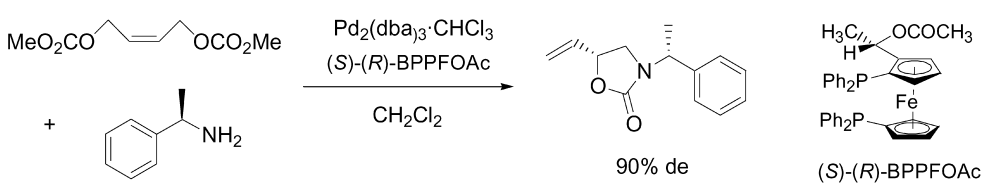

Solvent-free Knoevenagel condensations and Michael additions in the solid state and in the melt with quantitative yield

Tetrahedron 59 (2003) 3753

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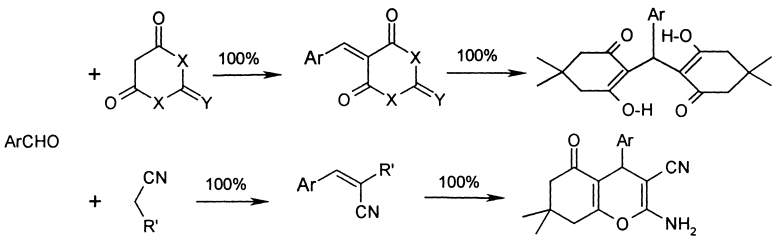

Synthesis of nicotinonitrile derivatives as a new class of NLO materials

Tetrahedron 59 (2003) 3761

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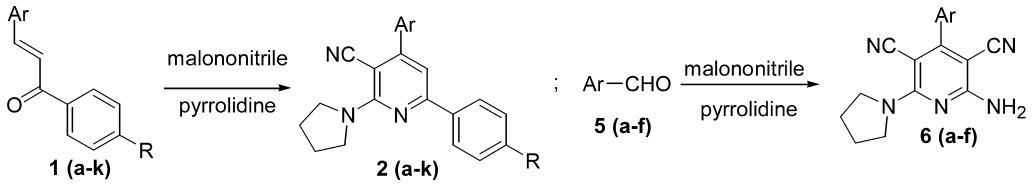
[c]*National Centre for Ultrafast Processes, University of Madras, Taramani Campus, Chennai 600 113, India*



Studies on the α-acetylation of δ-valerolactone and ε-caprolactone

Tetrahedron 59 (2003) 3769

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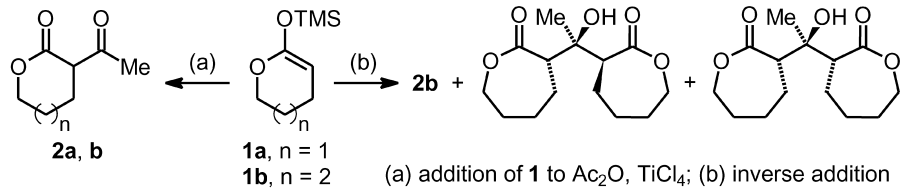

Reaction of aluminacyclopentadienes with aldehydes affording cyclopentadiene derivatives

Tetrahedron 59 (2003) 3779

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